

Technical data information model year 2001 ¹/₂

Dear colleagues

Communication via disk has become one of our established services and we would like to help you get quickly to the information you need.

This disk contains the technical data of a selection of our car-lines.

You can access the main directory via the NEXT button. Click on the model name and you access the model range, where each engine version is listed in an index, from where you can call up the individual pages by clicking on them again. You return to the main directory via the TABLE OF CONTENT button. If you want to print selected pages please choose the option "print" in the "file" menu.

Further information about the Acrobat READER[™] program can be obtained from the HELP function.

Opel European PR

NEXT

Technical Data 02/01



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Agila 1.0 12V Z10XE 43kW/58hp 5-speed microvan 5 doors

Model year: Date:	2001 ½ 27.02.01	Weights and dimensions	
Date.	27.02.01	Length (mm):	3500
Engine data		Width (mm):	1620
0	front transverse in front of outs, 10% forward inclined	Height (mm):	1695
Engine, location: Cooling system:	front, transverse in front of axle, 10° forward inclined with liguid, sealed circuit	Wheelbase (mm):	2360
Cylinders, number:	3	Track front/rear (mm):	1420/1390
Bore (mm):	72.5	Luggage capacity (I) ECIE:	240/700/1250
Stroke (mm):	78.6	Opening luggage compartment to ground (mm): Rim width (inch)(mm)/tire size:	655 4.5Jx14/155/65 R 14 T
Displacement (cc):	973	Turning clearance circle/turning circle (m):	10.6/9.80
Compression ratio:	10.1:1	Steer. wheel turns lock/lock:	3.3
Engine, type:	in line; 4 main bearings	Steering, ratio:	electrical power steering, 17.6
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	overhead (DOHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	roller drag lever, hydraulic tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	23.6; 17.5
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	705/660
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	650/350
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 1.5.5	Trailer hook weight/roof load (kg):	30/35
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	41, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	43/58 at 5600	Top speed (km/h):	142
Specific power (kW/l; hp/l): Max. torque (Nm at 1/min):	44.2; 59.6 85 at 3800	Acceleration 0-100 km/h (sec)*:	18
Specific torque (Nm/liter):	87.4	Acceleration 0-400/0-1000 m (sec):	20.5/39
Mean effective pressure at	87.4	Acc. 80-120 km/h in 5th gear (sec)*:	29.5
max. power/max. torque (kPa):	946.10/1098.3	Pass-by noise (dBA):	72
Average piston speed (m/s):	14.7	Fuel:	unleaded premium
Engine oil, capacity (I):	3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Cooling capacity (I):	4.7		Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	44		consumption and CO ₂ values.
Alternator 14.2 V, capacity (W):	994		urban: 7.7
			extra-urban: 5.8
Transmission		CO ₂ emission (g/km):	total: 6.5 156
Drive axle:	front wheel drive	Emission class:	Euro 4
Transmission, type:	manual		Edio 4
Gear ratios:	1st ratio: 3.42 2nd ratio: 1.90 3rd ratio: 1.28	Maintananaa	
	4th ratio: 0.97 5th ratio: 0.82	Maintenance	
	reverse ratio: 3.27 final drive ratio: 4.39	Service intervals:	inspection: every 30,000 km or once a year
Clutch, type:	dry single plate		
		t Dania wa dal	
Body		* Basic model	
Seats:	4	* Kerb weight (70156 EEC) and 125 kg payload	
Drag coefficient (c,):	0.37*		
Frontal area (A in m ²):	2.337		
Index (c xA):	0.87*		
· · · ·			
Chassis			
Wheel suspension front:	Mc Pherson strut, stabilizer, gas pre-loaded struts		
Wheel suspension rear:	rigid axle, longitudinal arms, Panhard rod, coil springs,		
Wheel suspension real.	gas pre-loaded struts		
Anti roll bar:	front		
Brakes			
Brake circuits:			
	2, diagonal disc, 247		
Brakes front, diameter (mm): Brakes rear, diameter (mm):			
ABS:	drum, autom. adjustment, 180 option		
	Spilon	I	

Agila 1.2 16V Z12XE 55kW/75hp 5-speed microvan 5 doors

	-		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	3500
		Width (mm):	1620
Engine data			
Engine, location:	front, transverse in front of axle, 10° forward inclined	Height (mm):	1695
		Wheelbase (mm):	2360
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1420/1390
Cylinders, number:	4	Luggage capacity (I) ECIE:	240/700/1250
Bore (mm):	72.5	Opening luggage compartment to ground (mm):	655
Stroke (mm):	72.6	Rim width (inch)(mm)/tire size:	4.5Jx14/155/65 R 14 T
Displacement (cc):	1199	Turning clearance circle/turning circle (m):	10.6/9.80
Compression ratio:	10.1:1	Steer. wheel turns lock/lock:	3.3
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrical power steering, 17.6
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	overhead (DOHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	roller drag lever, hydraulic tappets		
		Power to weight ratio (kg/kW; kg/hp)(empty):	18.7; 13.7
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	720/660
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	650/350
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 1.5.5	Trailer hook weight/roof load (kg):	30/35
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	41, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	55/75 at 5600		
Specific power (kW/l; hp/l):	45.9; 62.6	Top speed (km/h):	155
Max. torque (Nm at 1/min):	110 at 4000	Acceleration 0-100 km/h (sec)*:	13.5
Specific torque (Nm/liter):	91.7	Acceleration 0-400/0-1000 m (sec):	19/35.5
Mean effective pressure at	01.7	Acc. 80-120 km/h in 5th gear (sec)*:	21.5
	082 10/1152 1	Pass-by noise (dBA):	73
max. power/max. torque (kPa):	982.10/1153.4	Fuel:	unleaded premium
Average piston speed (m/s):	13.6	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	3.5		Additional equipment can lead to increased
Cooling capacity (I):	4.9		
Battery 12 V, capacity (Ah):	44		consumption and CO ₂ values.
Alternator 14.2 V, capacity (W):	994		urban: 8.0
			extra-urban: 5.7
Transmission			total: 6.5
		CO ₂ emission (g/km):	156
Drive axle:	front wheel drive	Emission class:	Euro 4
Transmission, type:	manual		
Gear ratios:	1st ratio: 3.42 2nd ratio: 1.90 3rd ratio: 1.28	Maintenance	
	4th ratio: 0.97 5th ratio: 0.82		
	reverse ratio: 3.27 final drive ratio: 4.11	Service intervals:	inspection: every 30,000 km or once a year
Clutch, type:	dry single plate		
	, , , , , , , , , , , , , , , , , , , ,		
Body		* Basic model	
5		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	4		
Drag coefficient (c _p):	0.37*		
Frontal area (A in m ²):	2.337		
Index (c xA):	0.87*		
· • • •			
Chassis			
Wheel suspension front:	Mc Pherson strut, stabilizer, gas pre-loaded struts		
Wheel suspension rear:	rigid axle, longitudinal arms, Panhard rod, coil springs,		
	gas pre-loaded struts		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	disc, 247		
Brakes rear, diameter (mm):	drum, autom. adjustment, 180		
ABS:	option		

Corsa 1.0 12V Z10XE 43kW/58hp 5-speed hatchback 3 doors

Model year:	2001 ½	Woights and dimensions	
Date:	27.02.01	Weights and dimensions	0047
		Length (mm): Width (mm):	3817 1646
Engine data		Height (mm):	1440
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2491
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1429/1420
Cylinders, number:	3	Luggage capacity (I) ECIE:	260-1060
Bore (mm): Stroke (mm):	72.5 78.6	Rim width (inch)(mm)/tire size:	5JX13/155/80 R 13 T
Displacement (cc):	973	Turning clearance circle/turning circle (m): Steer. wheel turns lock/lock:	10.40/9.80 4.3
Compression ratio:	10.1:1	Steering, ratio:	power steering option, 24.1
Engine, type:	in line; 4 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	: 980/1405/425
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	22.8; 16.9
Valve train:	roller rocker with hydraulic bucket tappets	Max. axle load front/rear (kg):	725/705
Valve, arrangement: Valve adjustment:	v; 4 per cylinder automatic - hydraulic	Trailer load braked/unbraked (kg):	750/450
Fuel system:	sequential multi point fuel injection, Motronic ME 1.5.5 Hybrid	Trailer hook weight/roof load (kg): Fuel tank capacity (I), location:	50/100 44. under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug	i dei tank capacity (i), iocation.	++, under real seals
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors		455
Output (kW/hp CEE at 1/min):	43/58 at 5600	Top speed (km/h): Acceleration 0-100 km/h (sec)*:	155 17
Specific power (kW/l; hp/l):	44.2; 59.6	Acc. 80-120 km/h in 5th gear (sec)*:	24
Max. torque (Nm at 1/min): Specific torque (Nm/liter):	85 at 3800 87.4	Pass-by noise (dBA):	71
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torgue (kPa):	946.10/1098.3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	14.7		Additional equipment can lead to increased
Engine oil, capacity (I):	3		consumption and CO ₂ values.
Cooling capacity (I):	4.9		urban: 7.2 - extra-urban: 4.7
Battery 12 V, capacity (Ah): Alternator 14.2 V, capacity (W):	36 994		total: 5.6
Alternator 14.2 v, capacity (vv):	994	CO ₂ emission (g/km):	135
Transmission		Emission class:	Euro 4
Drive axle: Transmission, type:	front wheel drive manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 3.94		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c_{p}) :	0.32+		
Frontal area (A in m²):	2.01		
Index (c _w xA):	0.65*		
Chassis			
	independent McRhargen strute		
Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe		
Wheel suspension rear:	twist beam, miniblock coil springs,		
	gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	solid disc, 240		
Brakes rear, diameter (mm):	drum, 200		
ABS:	option		

Corsa 1.0 12V Z10XE 43kW/58hp 5-speed hatchback 5 doors

Madel years	2001 1/		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	3817
E e alte e alte (a		Width (mm):	1646
Engine data		Height (mm):	1440
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2491
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1429/1420
Cylinders, number:	3	Luggage capacity (I) ECIE:	260-1060
Bore (mm):	72.5	Rim width (inch)(mm)/tire size:	5JX13/155/80 R 13 T
Stroke (mm):	78.6	Turning clearance circle/turning circle (m):	10.40/9.80
Displacement (cc):	973	Steer. wheel turns lock/lock:	4.3
Compression ratio:	10.1:1	Steering, ratio:	power steering option, 24.1
Engine, type:	in line; 4 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg): 1005/1405/400
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	23.4; 17.3
Valve train:	roller rocker with hydraulic bucket tappets	Max. axle load front/rear (kg):	725/705
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	750/450
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	50/100
Fuel system:	sequential multi point fuel injection, Motronic ME 1.5.5 Hybrid	Fuel tank capacity (I), location:	44. under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		i, and i four obaid
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	43/58 at 5600	Top speed (km/h):	155
Specific power (kW/l; hp/l):	44.2: 59.6	Acceleration 0-100 km/h (sec)*:	17
Max. torque (Nm at 1/min):	85 at 3800	Acc. 80-120 km/h in 5th gear (sec)*:	24
Specific torque (Nm/liter):	87.4	Pass-by noise (dBA):	71
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torgue (kPa):	946.10/1098.3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	14.7		Additional equipment can lead to increased
Engine oil, capacity (l):	3		consumption and CO ₂ values.
Cooling capacity (I):	4.9		urban: 7.2
Battery 12 V, capacity (Ah):	36		extra-urban: 4.7
Alternator 14.2 V, capacity (W):	994		total: 5.6
Alternator 14.2 V, capacity (W).	554	CO ₂ emission (g/km):	135
T		Emission class:	Euro 4
Transmission			
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual		
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 3.94		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
	F		
Seats:	5		
Drag coefficient (c_{p}) :	0.32*		
Frontal area (A in m ²):	2.01		
Index (c _w xA):	0.65*		
Chassis			
Wheel suspension front:	independent, McPherson struts,		
	wishbone on closed subframe		
Wheel suspension rear:	twist beam, miniblock coil springs,		
	gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
	2 diagonal		
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	solid disc, 240		
Brakes rear, diameter (mm):	drum, 200		
ABS:	option		

Corsa 1.2 16V Z12XE 55kW/75hp 5-speed hatchback 3 doors

Date: 27.02.01 resp: text. 917 Engine data Group books: resp: text. 917 916 Second books: 917 916 916 Group books: 916 916 916 916 Group books: 916 916 916 916 916 Group books: 916 916 916 916 916 916 Group books: 916	Model year:	2001 1/2	Weights and dimensions	
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Since (m/h): 72.6 Deployment (inc): 1109 Deployment (inc): 1109 Deployment (inc): 1109 Composition: 1109 Composition: 2 overhead (COPC), driver by chain Composition: 2 overhead (COPC), driver by chain Composition: 2 overhead (COPC), driver by chain Value staff reduction with findional could in the lingection (SFI), Motronic M 15.5 Specific cover, (M/h): 43, 45, 62 Dispatcion (M/h): 43, 52, 62 Specific cover, (M/h): 43, 52, 62 Specific cover, (M/h): 43, 52, 62 Specific cover, (M/h): 13, 7				
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Engine, type: in line; 5 main bearings control in the set of the bearings control in the set of the bearing is control in the set of the bearing is control in the set of the se				
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Value train: roller rober with hydraulic bick tappets 745/705 Value, arangement: automate : hydraulic automate : hydraulic 745/705 Value, adaptament: automate : hydraulic automate : hydraulic 50000 Guide agternant: automate : hydraulic 50000 50000 Fuel pump: electric, in tank 5000 50000 Fuel pump: electric, in tank 5000 50000 Specific power (MVM); CEC at 1/min; 55/7 at 6500 71 70 Specific power (MVM); CPC (E at 1/min; 56/7 at 6500 71 70 Specific power (MVM); CPC (E at 1/min; 56/7 at 6500 71 70 Specific power (MVM); CPC (E at 1/min; 56/7 at 6500 71 70 Specific power (MVM); CPC (E at 1/min; 56/7 at 6500 71 70 Specific power (MVM); CPC (E at 1/min; 56 71 71 Specific power (MVM); CPC (E at 1/min; 50 71 70 Specific power (MVM); CPC (E at 1/min; 50 71 70 Specific power (MV); CPC (E at 1/min; 50				
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Ignition map. lignition individent to spark plug Interview of the spark plug Interview of the spark plug Emission control system: 3-way cat. corv. with 2 axygen sensors Top speed (m/h): 170 Dyng (Winh) CE at Timm): 5-77 at 200 Top speed (m/h): 170 Max: torque (Win at Timm): 91.7 18.5 Top speed (m/h): 18.5 Specific torque (Wink): 13.6 - Acc. 89-120 km/h in 6th gear (see)': 18.5 Specific torque (Wink): 13.6 - - - - Average plotin specific (m5): 13.6 -				
Fuel pump: electric, in tank Performance Cinguit (Why DEE at Trim): 5575 at 5600 5575 at 5600 13 43,962.0 Spacific forcer (With Trip): 45,962.0 13 40,962.0 13.6 Spacific forcer (With Trip): 92,10115.4 40,962.0 71 40,962.0 Spacific forcer (With Trip): 92,10115.4 40,962.0 71 40,962.0 Spacific forcer (With Trip): 92,10115.4 40,962.0 71 40,962.0 71 Spacific forcer (With Trip): 92,10115.4 40,960.0 71 40,960.0 71 40,960.0 71 40,960.0 71 40,960.0 71 40,960.0 71 40,960.0 71 40,960.0 71 40,960.0 71 40,960.0 40,960.0 71 40,960.0 71 40,960.0 71 40,960.0 40,960.0 71 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 40,960.0 <td< td=""><td></td><td></td><td>Fuel tank capacity (I), location:</td><td>44, under rear seats</td></td<>			Fuel tank capacity (I), location:	44, under rear seats
Emission control system: 3-way cat. corv. with 2 oxygen sensors 5/57 at 8500 (output (WM): CE at 1 min): 5/57 at 8500 (output (WM): CE at 1 min): 5/57 at 8500 (output (WM): CE at 1 min): 5/57 at 8500 (output (WM): CE at 1 min): 10 at 4000 (output (WM): CE at 1 min): 10 at 4000 (output (WM): CE at 1 min): 10 at 4000 (output (WM): CE at 1 min): 10 at 4000 (output (WM): CE at 1 min): 10 at 4000 (output (WM): CE at 1 min): 10 at 4000 (output (WM): CE at 1 min): 10 at 4000 (output (WM): CE at 1 min): 10 at 4000 (output (WM): 10 at 4000 (output (WM): 10 at 1 min) (output (WM): 1				
Output (Why CEE at Turnin): 55/7 at 5000 To speed (Wrh!): 170 Specific power (Writ, Hp0): 45,9,62.6 Acc. 80-120 km/h (sec)': 13 Max. torque (Wa at Turnin): 110 at 4000 Pass. Societ struet, (Wrh! 13.5 Mean effective pressure at max. power/max. torque (Ma): 91.7 Acc. 80-120 km/h in 5th gear (sec)': 13.5 Mean effective pressure at max. power/max. torque (Ma): 92.10/1153.4 Acc. 80-120 km/h in 5th gear (sec)': 13.5 Verage pixtor speed (M2): 13.6 Pass. Pass. Measured according to EU guideline 90/100/EU. Verage pixtor speed (M2): 13.6 Co. Pass. Pass. Pass. Verage pixtor speed (M2): 13.6 Co. Pass. Pass. Pass. Colling casepity(N): 3 Societ struet, when the drive manual struet, when the drive manual struet is 3.73 dur failo: 2.14 3rd ratio: 1.14 Maintenance Service intervals: inspection: every 30,000 km or once a year Clutch, type: 5 Societ struet, when the drive ratio: 3.74 Year when the			Performance	
Specific power (kWith PDI): 45 9 (22 Box Acceleration 0-100 km/h (sep?): 13 Max Lorque (Mwither): 91.7 Acceleration 0-100 km/h (sep?): 13.6 Specific torque (Mwither): 91.7 Inleaded permium Inleaded permium max. power/max. torque (MPA): 92.10/115.3.4 Acceleration 0-100 km/h (sep?): 13.6 max. power/max. torque (MPA): 92.10/115.3.4 Acceleration 0-100 km/h (sep?): 13.6 Cooling capacity (N): 3.6 Acceleration 0-100 km/h (sep?): 13.6 Cooling capacity (N): 3.6 Acceleration 0-100 km/h (sep?): 14. Matematur 12.4 / capacity (N): 3 6.3 Acceleration 0-100 km/h (sep?): 15.6 Maintenton 12.4 / capacity (N): 3 6.3 Acceleration 0-100 km/h (sep?): 15.6 Acceleration 0-100 km/h (sep?): 16.3 Acceleration 0-100 km/h (sep?): A			Top speed (km/h):	170
Max. Torque (Mm at Timin); 110 4 4000 Acc. 80-120 Mm in 5th gear (sec)': 18.5 Specific torque (Mm itor): 91.7 Meas effective pressure at max powerimax. torque (KPa): 36. Max. Bedrive pressure at max powerimax. torque (KPa): 32.10/1153.4 Acc. 80-120 Mm in 5th gear (sec)': 18.5 Average piston speed (m/s): 13.6 Fuel : The added premium max powerimax. Cooling capacity (0): 3 Cooling capacity (0): 5 Cooling capacity (0): 96 Cooling capacity (0): 10.6 Tansmission Fort wheel drive manual 72 2nd ratio: 1.41 Fuel : Cooling capacity (0): The add: fort wheel drive manual 72 2nd ratio: 1.41 Gear ratios: Inspection: every 30,000 km or once a year Clutch, type: max powerimax. Service intervals: inspection: every 30,000 km or once a year Clutch, type: 5 Service intervals: inspection: every 30,000 km or once a year Body 5 Service intervals: inspection: every 30,000 km or once a year Clutch, type: 5 Service intervals: inspection: every 30,000 km or once a year Clutch, type: 5 Service intervals: inspection: every 30,000 km or once a year Body 5 Service intervals: inspection: every 30,000 km or once a year				
Specific trapper (Nmilter) ¹ , max, brower max, torque (Nmilter) ¹ , max, power max, torque (Nmilter) ¹ , max, power max, torque (Na); 91.7 Pass-by noise (dBA); 71 max, power max, torque (Na); 92.101153.4 Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. Indeeded premium wareage piston speed (mis); 13.6 Section 12 V, capacity (M); Section 12 V, capacity (M); Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. urban %. Matemator 14 2V, capacity (M); 36 Section 12 V, capacity (M); Section 12 V, capacity (M); Section 12 V, capacity (M, CO ₂ values. urban %. Transmission font wheel drive manual font wheel drive manual Service intervals: It atalo: 3.73 and ratio: 2.14 3rd ratio: 1.41 Maintenance Gaar ratios: function 12 Stratico: 0.09 revises ratio: 3.31 final drive ratio: 3.74 Maintenance Service intervals: inspection: every 30,000 km or once a year * Basic model * Kerb weight (70156 EEC) and 125 kg payload Chassis 5 Service intervals: inspection: every 30,000 km or once a year Wheel suspension front: wishborne on closed subframe Wishobore on closed subframe				
Mean effective pressure at most pressure at				
max_power/max_tengue (tPp): 92-10/1153.4 Average joints prover/max_tengue (tP): 13.6 Engine oil capably (i): 3 Colong capably (i): 5 Batten J 2.V, capabity (h): 36 Atlenator 14.2.V, capabity (h): 36 Atlenator 14.2.V, capabity (h): 36 Tansmission 5.2 Drive axle: front wheel drive Transmission, type: manual Gear ratio: 15 traitics Utult, type: 15 traitics Body Service intervals: Service intervals: inspection: every 30.000 km or once a year * Basic model * Kerb weight (70156 EEC) and 125 kg payload * Respective to the service intervals: inspection: every 30.000 km or once a year * Basic model * Kerb weight (70156 EEC) and 125 kg payload * Basic model * Kerb weight (70156 EEC) and 125 kg payload * Basic model * Kerb weight (70156 EEC) and 125 kg payload * Basic model * Kerb weight (70156 EEC) and 125 kg payload * Meal suspension front: independent, McPherson struts, wishbone cn closed subframe Wheel suspension front: independent, McPherson struts, wishbone cn c		91.7		
Average jetton speed (m/s): 13.6 Average jetton speed (m/s): 3 Cooling capacity (f): 3 Cooling capacity (f): 3 Satery 12V, capacity (M): 36 Atternator 14.2 V, capacity (M): 38 Atternator 14.2 V, capacity (M): 994 Drive axle:: front wheel drive Transmission front wheel drive Transmali front is it visito: 3.73 and ratio: 2.14 drive ratio: 1.41 drive axle:: front review ratio: 3.31 Clutch, type: front and in advisor ratio: 3.74 dry single plate freeweer artics: Drive axle:: freeweer artics: Drive axle:: freeweer artics: Drive axle:: freeweer artics: Clutch, type: freeweer artics: Body freeweer artics: Drive axle:: freeweer artics: Drive axle:: freeweer artics: Drive axle: freeweer artics: Body freeweer artics: Drive axle: freeweer artics: Drive axle: freeweer artics: Drive axle: freeweer artics: <		092 10/1152 4		
Engine off: Consumption Consumption <thconsumption< th=""> <thconsumption< th=""></thconsumption<></thconsumption<>			· · · · · · · · · · · · · · · · · · ·	
Cooling capacity (1): 5 Station 124, 2V, capacity (W): 994 Drive axle: font wheel drive Transmission manual Gear ratios: 1st ratio: 3.73 and ratio: 2.14 3rd ratio: 1.41 Transmission, type: manual Gear ratios: 1st ratio: 3.73 and ratio: 0.89 Clutch, type: dry single plate Clutch, type: 0,32 Cooling capacity (A): 0.32 Frontal area (A) (a, nP): 0.32 Prota area (A) (n nP): 0.32 Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Brakes toru, diameter (mm): 2, diagonal Brakes toru, diameter (mm): 2, diagonal Brakes toru, diameter (mm): 2, diagonal				
County topach (n): 36 Settiny 12, capacity (Ab): 36 Alternator 14.2 V, capacity (W): 994 Transmission 151 Drive axte: front wheel drive Transmission, type: manual Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 th ratio: 1.12 5th ratio: 0.89 reverse ratio: 3.31 reverse ratio: 3.31 final drive ratio: 3.74 Orga coefficient (c,): 0,322* Frontal area (A in m?): 2.01 Drag coefficient (c,): 0.32* Frontal area (A in m?): 2.05* Meel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Water strutter (mm): 2, diagonal Brakes tornt, diameter (mm): 2, diagonal Brakes tornt, diameter (mm): 2, diagonal				
Linker and FA 2 Columbit 14 Treatments of Langer and FA 10				
Attendent 14:2, 4, togatality (17). 394 CO2_ emission (g/km):: 151 Transmission. Euro 4 Drive axie: front wheel drive manual Gear ratios: 1st ratio: 3.73 and ratio: 2.14 3rd ratio: 1.41 Maintenance drive axie: ist ratio: 3.31 final drive ratio: 3.74 reverse ratio: 3.31 final drive ratio: 3.74 drive axie: 5 Service intervals: Drag coefficient (c): 0.32* Frontal area (A in m?): 0.32* Proteatarea (A in m?): 0.32* Wheel suspension front: independent, McPherson struts, wishone on closed subframe Wheel suspension front: wishone on closed subframe Wheel suspension rear: 2, diagonal Brakes tord, diameter (mm): 2, diagonal				
Transmission Euro 4 Drive axle: front wheel drive manual Maintenance Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 Maintenance Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 Service intervals: inspection: every 30,000 km or once a year Clutch, type: dry single plate Service intervals: inspection: every 30,000 km or once a year Body Service intervals: inspection: every 30,000 km or once a year Sets: 5 Sorg coefficient (c_): 0.32* Pronetal area (A in mP?): 0.32* Service intervals: Service intervals: Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wishbone on closed subframe Wheel suspension rear: wishbone on closed subframe Service intervals: Service intervals: Brakes 2, diagonal gas-filled shock absorbers Service intervals: Service intervals: Brake circuits: 2, diagonal 2, diagonal Service intervals: Service intervals: Brake struct, idameter (mm): dudi disc, 240 Service intervals: Service intervals: Service intervals: Brake struct, idameter	Alternator 14.2 V, capacity (W):	994	CO_{α} emission (g/km):	
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Transmission, type: manual Mainter lartCe Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 Service intervals: inspection: every 30,000 km or once a year Clutch, type: dr single faite Service intervals: inspection: every 30,000 km or once a year Body * Basic model * * Sets: 5 Service intervals: * Drag coefficient (c_y): 0.32° * Service intervals: * Fontal area (A in m?): 0.65* Service intervals: * Service intervals: * Wheel suspension front: independent, McPherson struts, wishohoo en closed subframe Service intervals: * Service intervals: * Wheel suspension rear: wishohoo en closed subframe Service intervals: * Service intervals: * Brake circuits: 2, diagonal shock absorbers Service intervals: * Service intervals: * Brake circuits: 2, diagonal Service intervals: Service intervals: Service intervals: Service intervals: * Brake circuits: 2, diagonal Service intervals: Service intervals: <	Iransmission			
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Cutch, type: An table 0.12 Strategie 0.89 Cutch, type: reverse ratio: 3.31 Body Seats: 5 Drag coefficient (c_2): 0.32* Frontal area (A in m?): 2.01 Index (c_xXA): 0.65* Chassis * Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: twist beam, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes circuits: 2, diagonal Brake stront, (mm): solid disc, 240 Brakes rear, diameter (mm): solid disc, 240	Transmission, type:	manual		
Clutch, type: reverse ratio: 3.31 final drive ratio: 3.74 dry single plate * Basic model Body * Kerb weight (70156 EEC) and 125 kg payload Body 0.32* Drag coefficient (c,): 0.32* Frontal area (A in m?): 2.01 Index (c, xA): 0.65* Chassis	Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
Clutch, type: dry single plate * Basic model * Kerb weight (70156 EEC) and 125 kg payload Body Seats: 5 Drag coefficient (c,): 0.32* Frontal area (A in m?): 0.65* Chassis 0.65* Wheel suspension front: independent, McPherson struts, wishbone on closed subframe twist beam, miniblock coil springs, gas-filled shock absorbers Wheel suspension rear: twist beam, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes circuitis: 2, diagonal solid disc, 240 Brakes front, diameter (mm): dirun, 200		4th ratio: 1.12 5th ratio: 0.89		
Charler, type: and y angle plate * Kerb weight (70156 EEC) and 125 kg payload Body 5 Seats: 5 Drag coefficient (c ₀): 0.32* Frontal area (A in m ²): 2.01 Index (c ₀ xA): 0.65* Chassis Meel suspension front: Wheel suspension rear: independent, McPherson struts, wishone on closed subframe Wheel suspension rear: twist board aubringendent, McPherson struts, wishone on closed subframe Wheel suspension rear: tront + rear Brakes front + rear Brakes circuits: 2, diagonal Brakes front, diameter (mm): solid disc, 240 Brakes rear, diameter (mm): drum, 200		reverse ratio: 3.31 final drive ratio: 3.74		
Body 5 Seats: 5 Drag coefficient (c_{2}): 0.32* Frontal area (A in m ³): 2.01 Index (c_xA): 0.65* Chassis 0.65* Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: twist beam, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes 2, diagonal Brakes front, diameter (mm): 2, diagonal Brakes front, diameter (mm): odid sc, 240	Clutch, type:	dry single plate		
Seats: 5 Drag coefficient (c_p): 0.32* Frontal area (A in m ²): 2.01 Index (c_wtA): 0.5* Chassis			[^] Kerb weight (70156 EEC) and 125 kg payload	
Seats: 5 Drag coefficient (c_p): 0.32* Frontal area (A in m ²): 2.01 Index (c_wtA): 0.5* Chassis	Body			
Drag coefficient (c_o): 0.32* Frontal area (A in m²): 2.01 Index (c_vXA): 0.65* Chassis Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: wist beam, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes 2, diagonal Brakes front, diameter (mm): solid disc, 240 Brakes rear, diameter (mm): drum, 200	•	-		
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Index (c "xA): 0.65* Chassis Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: twist beam, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes Brakes front, diameter (mm): 2, diagonal Brakes front, diameter (mm): solid disc, 240 drum, 200				
Chassis Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: gas-filled shock absorbers gas-filled shock absorbers Anti roll bar: front + rear Brakes Brake circuits: gas-fort, diameter (mm): solid disc, 240 Brakes rear, diameter (mm): drum, 200				
Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: twist beam, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes z Brake circuits: 2, diagonal Brakes front, diameter (mm): solid disc, 240 Brakes rear, diameter (mm): drum, 200	Index (c "xA):	0.65		
Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: twist beam, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes z Brake circuits: 2, diagonal Brakes front, diameter (mm): solid disc, 240 Brakes rear, diameter (mm): drum, 200				
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wishbone on closed subframe Wheel suspension rear: twist beam, miniblock coil springs, gas-filled shock absorbers gas-filled shock absorbers gas-filled shock absorbers Anti roll bar: front + rear Brakes z Brake circuits: 2, diagonal Brakes front, diameter (mm): solid disc, 240 Brakes rear, diameter (mm): drum, 200	Wheel suspension front:	independent, McPherson struts,		
Wheel suspension rear: twist beam, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes gas-filled shock absorbers Brake circuits: 2, diagonal Brakes front, diameter (mm): solid disc, 240 Brakes rear, diameter (mm): drum, 200				
gas-filled shock absorbers Anti roll bar: front + rear Brakes Brake circuits: 2, diagonal Brakes front, diameter (mm): solid disc, 240 Brakes rear, diameter (mm): drum, 200	Wheel suspension rear:			
Anti roll bar: front + rear Brakes brake circuits: Brake circuits: 2, diagonal Brakes front, diameter (mm): solid disc, 240 Brakes rear, diameter (mm): drum, 200	·····			
Brake circuits:2, diagonalBrakes front, diameter (mm):solid disc, 240Brakes rear, diameter (mm):drum, 200	Anti roll bar:			
Brakes front, diameter (mm): solid disc, 240 Brakes rear, diameter (mm): drum, 200	Brakes			
Brakes front, diameter (mm): solid disc, 240 Brakes rear, diameter (mm): drum, 200	Brake circuits:	2 diagonal		
Brakes rear, diameter (mm): drum, 200				
	ABS:			
		-F	1	

Corsa 1.2 16V Z12XE 55kW/75hp Easytronic hatchback 3 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	3817
		Width (mm):	1646
Engine data		Height (mm):	1440
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2491
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1429/1420
Cylinders, number:	4	Luggage capacity (I) ECIE:	260-1060
Bore (mm):	72.5		
Stroke (mm):	72.6	Rim width (inch)(mm)/tire size:	5JX13/155/80 R 13 T
Displacement (cc):	1199	Turning clearance circle/turning circle (m):	10.40/9.80
		Steer. wheel turns lock/lock:	4.3
Compression ratio:	10.1:1 in line; 5 main bearings	Steering, ratio:	power steering option, 24.1
Engine, type:		Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	18.4; 13.5
Valve train:	roller rocker with hydraulic bucket tappets	Max. axle load front/rear (kg):	745/705
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1000/450
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	50/100
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 1.5.5	Fuel tank capacity (I), location:	44, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors		170
Output (kW/hp CEE at 1/min):	55/75 at 5600	Top speed (km/h):	170
Specific power (kW/l; hp/l):	45.9; 62.6	Acceleration 0-100 km/h (sec)*:	14
Max. torque (Nm at 1/min):	110 at 4000	Acc. 80-120 km/h in 5th gear (sec)*:	17.5
Specific torque (Nm/liter):	91.7	Pass-by noise (dBA):	73
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	982.10/1153.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	13.6		Additional equipment can lead to increased
Engine oil, capacity (I):	3		consumption and CO ₂ values.
Cooling capacity (I):	5		urban: 8.0
Battery 12 V, capacity (Ah):	36		extra-urban: 5.2
Alternator 14.2 V, capacity (W):	994		total: 6.2
	001	CO_2 emission (g/km):	149
Tronomionion		Emission class:	Euro 4
Transmission			
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	Easytronic, automated manual transmission		
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 3.94		
Clutch, type:	dry single plate	* Basic model	
	, , , , , , , , , , , , , , , , , , , ,	* Kerb weight (70156 EEC) and 125 kg payload	
Body			
5			
Seats:	5		
Drag coefficient (c _D):	0.32*		
Frontal area (A in m ²):	2.01		
Index (c "xA):	0.65*		
Chassis			
	independent McDharoon strute		
Wheel suspension front:	independent, McPherson struts,		
	wishbone on closed subframe		
Wheel suspension rear:	twist beam, miniblock coil springs,		
	gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	solid disc, 240		
Brakes rear, diameter (mm):	drum, 200		
ABS:	option		
	υριιστι		

Corsa 1.2 16V Z12XE 55kW/75hp 5-speed hatchback 5 doors

Model year: Date:	2001 ½ 27.02.01	Weights and dimensions	3817
		Width (mm):	1646
Engine data		Height (mm):	1440
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2491
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1429/1420
Cylinders, number:	4	Luggage capacity (I) ECIE:	260-1060
Bore (mm):	72.5	Rim width (inch)(mm)/tire size:	5JX13/155/80 R 13 T
Stroke (mm):	72.6	Turning clearance circle/turning circle (m):	10.40/9.80
Displacement (cc):	1199	Steer. wheel turns lock/lock:	4.3
Compression ratio:	10.1:1	Steering, ratio:	power steering option, 24.1
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg): 1035/1430/395
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	18.8; 13.8
Valve train:	roller rocker with hydraulic bucket tappets	Max. axle load front/rear (kg):	745/705
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1000/450
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	50/100
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 1.5.5	Fuel tank capacity (I), location:	44, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h):	170
Output (kW/hp CEE at 1/min):	55/75 at 5600	Acceleration 0-100 km/h (sec)*:	13
Specific power (kW/l; hp/l):	45.9; 62.6	Acc. 80-120 km/h in 5th gear (sec)*:	18.5
Max. torque (Nm at 1/min):	110 at 4000	Pass-by noise (dBA):	71
Specific torque (Nm/liter): Mean effective pressure at	91.7	Fuel:	unleaded premium
max. power/max. torque (kPa):	982.10/1153.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	13.6	· · · · · · · · · · · · · · · · · · ·	Additional equipment can lead to increased
Engine oil, capacity (I):	3		consumption and CO_2 values.
Cooling capacity (I):	5		urban: 8.2
Battery 12 V, capacity (Ah):	36		extra-urban: 5.2
Alternator 14.2 V, capacity (W):	994		total: 6.3
	554	CO ₂ emission (g/km):	151
Transmission		Emíssion class:	Euro 4
Transmission			
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Gervice intervals.	inspection. every 30,000 km of once a year
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 3.74	* Basic model	
Clutch, type:	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c _p):	0.32*		
Frontal area (A in m ²):	2.01		
Index (c "xA):	0.65*		
Chassis			
Wheel suspension front:	independent, McPherson struts,		
	wishbone on closed subframe		
Wheel suspension rear:	twist beam, miniblock coil springs,		
·····	gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	solid disc, 240		
Brakes rear, diameter (mm):	drum, 200		
ABS:	option		
	-F		

Corsa 1.2 16V Z12XE 55kW/75hp Easytronic hatchback 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	3817
E e classica de te		Width (mm):	1646
Engine data		Height (mm):	1440
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2491
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1429/1420
Cylinders, number:	4	Luggage capacity (I) ECIE:	260-1060
Bore (mm):	72.5	Rim width (inch)(mm)/tire size:	5JX13/155/80 R 13 T
Stroke (mm):	72.6	Turning clearance circle/turning circle (m):	10.40/9.80
Displacement (cc):	1199	Steer. wheel turns lock/lock:	4.3
Compression ratio:	10.1:1	Steering, ratio:	power steering option, 24.1
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	18.8; 13.8
Valve train:	roller rocker with hydraulic bucket tappets	Max. axle load front/rear (kg):	745/705
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1000/450
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	50/100
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 1.5.5	Fuel tank capacity (I), location:	44, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system: Output (kW/hp CEE at 1/min):	3-way cat. conv. with 2 oxygen sensors 55/75 at 5600	Top speed (km/h):	170
Specific power (kW/l; hp/l):	45.9; 62.6	Acceleration 0-100 km/h (sec)*:	14
Max. torque (Nm at 1/min):	45.9, 62.6 110 at 4000	Acc. 80-120 km/h in 5th gear (sec)*:	17.5
Specific torque (Nm/liter):	91.7	Pass-by noise (dBA):	73
Mean effective pressure at	51.7	Fuel:	unleaded premium
max. power/max. torque (kPa):	982.10/1153.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	13.6		Additional equipment can lead to increased
Engine oil, capacity (I):	3		consumption and CO ₂ values.
Cooling capacity (I):	5		urban: 8.0
Battery 12 V, capacity (Ah):	36		extra-urban: 5.2
Alternator 14.2 V, capacity (W):	994		total: 6.2
· ····································		CO ₂ emission (g/km):	149
Transmission		Emission class:	Euro 4
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	Easytronic, automated manual transmission 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 3.94		
Clutch, type:	dry single plate	* Basic model	
Glaten, type.	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
Dody			
Body			
Seats:	5		
Drag coefficient (c_{D}):	0.32*		
Frontal area (A in m ²):	2.01		
Index (c _w xA):	0.65*		
Chassis			
Wheel suspension front:	independent, McPherson struts,		
	wishbone on closed subframe		
Wheel suspension rear:	twist beam, miniblock coil springs,		
	gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	solid disc, 240		
Brakes rear, diameter (mm):	drum, 200		
ABS:	option		

Corsa Comfort 1.4 16V Z14XE 66kW/90hp 5-speed hatchback 3 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	3817
		Width (mm):	1646
Engine data		Height (mm):	1440
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2491
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1417/1408
Cylinders, number:	4	Luggage capacity (I) ECIE:	260-1060
Bore (mm):	77.6	Rim width (inch)(mm)/tire size:	5.5Jx14/175/65 R 14 T
Stroke (mm):	73.4	Turning clearance circle/turning circle (m):	10.45/9.90
Displacement (cc):	1389	Steer. wheel turns lock/lock:	2.9
Compression ratio:	10.5:1	Steering, ratio:	electrical power steering, 16
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg)	
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	16.3; 11.9
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	790/760
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1000/450
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	50/100
Fuel system: Ignition system:	sequential multi point fuel injection (SFI), HSFI 2.1 electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	44, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	66/90 at 6000	Top speed (km/h):	180
Specific power (kW/l; hp/l):	47.5; 64.8	Acceleration 0-100 km/h (sec)*:	11.5
Max. torgue (Nm at 1/min):	125 at 4000	Acc. 80-120 km/h in 5th gear (sec)*:	15
Specific torque (Nm/liter):	90.0	Pass-by noise (dBA):	72
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	950.3/1131.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	14.7		Additional equipment can lead to increased
Engine oil, capacity (I):	3.25		consumption and CO ₂ values. urban: 9.8
Cooling capacity (I):	6.1		extra-urban: 5.7
Battery 12 V, capacity (Ah):	44		total: 7.2
Alternator 14.2 V, capacity (W):	994	CO ₂ emission (g/km):	173
T		Emission class:	Euro 4
Transmission			
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Gervice intervals.	inspection. every 50,000 km of once a year
	4th ratio: 1.12 5th ratio: 0.89		
Clutch turner	reverse ratio: 3.31 final drive ratio: 3.94	* Basic model	
Clutch, type:	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
Dody			
Body			
Seats:	5		
Drag coefficient (c_{p}) :	0.32*		
Frontal area (A in m ²):	2.01		
Index (c _w xA):	0.65*		
Ohaasia			
Chassis			
Wheel suspension front:	independent, McPherson struts,		
	wishbone on closed subframe		
Wheel suspension rear:	torsion tube compound link suspension,		
	miniblock coil springs, gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm): Brakes rear, diameter (mm):	ventilated disc, 260 drum, 200		
ABS:	option		
	opilon	I	

Corsa Comfort 1.4 16V Z14XE 66kW/90hp 4-speed autom. hatchback 3 doors

Model yeal: 2001 3 Weights and dimensions Engine, Lostion: 77.021 347 Engine, Lostion: for, it integrate is front of axe, 7: 50 forward interined 449 Control year 77.6 449 Control year 77.6 449 Control year 77.6 140 formation Control year 10.5 10.5 10.5 Compression rate 10.5 10.5 10.5 Compression rate 20 worthed (ONC), drivin year 10.5 10.5 Compression rate 20 worthed (ONC), drivin year 380 formation, drivin year 380 formation, drivin year Control year 20 worthed (ONC), drivin year 380 formation, drivin year 380 formation, drivin year Control year 20 worthed (ONC), drivin year 380 formation, drivin year 380 formation, drivin year Contro year 380 fo			1	
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Coding system: with lipid, sealed circuit Charler of with response of the system: Take and the system of the system of the system of the system: Take and the system of	0			
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Beirs funni: 77.6 stand formal interval				
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Deplectment (c): 1389 Compression matterial: 100 minitial interminial interminiinterminial				
Conjugation ratio: in the frame heatings in the frame heating in the frame heatings in the frame heatings in the frame heatings in the frame heatings in the frame heating in the frame he				
Engine, type: in line: 6 main beatrings (chief bockbad, material: cast involuminum (chief bockbad, material: cast involuminum) (chief bockbad, material: c				
Cyniner fielde, beckhead, material: Cyniner fielde, beckhead, material: Cyner fielde, beckhead, material: Fiel system: Eression: Eression: Eression: Cyner fielde, beckhead, material: Fiel system: Eression: Cyner fielde, beckhead, material: Fiel system: Eression: Cyner fielde, beckhead, material: Fiel system: Eression: Cyner fielde, beckhead, material: Cyner fielde, beckhead, material: Cyner fielde, beckhead, material: Cyner fielde, beckhead, material: Fiel system: Cyner fielde, beckhead, material: Cyner fielde, beckhead, fielde, be				
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Ignition system: elect: gnition map. gnition odd wirdt to spark plug elect: gnition map. gnition odd wirdt to spark plug Envision control system: 3-way cat. comv. with 2 oxygen sensors Gala data Too speed (with): 170 Output (With) CE ta trimin): 9300 Too speed (with): 170 Too speed (with): 170 Max. torque (Wint 100; imm): 9300 Too speed (with): 170 Too speed (with): 170 Mass. torque (Wint 100; imm): 9300 Solo (Bala): 170 Too speed (with): 170 Mass. torque (Wint 2000) 9300 Solo (Bala): 170 Additional sequence to control (Bala): 170 Mass. torque (Wint): 9300 Solo (Bala): 170 Additional sequence to control (Bala): 170 Mareander 142 / Capacity (Mi): 43 Solo (Bala): 180 Colo sensor (g/km): Euro 4 Additional sequence to control (Bala): 180 Too second (g/km): Euro 4 Additional sequence to control (Bala): Food (g/km): Euro 4 Additional sequence to control (Bala): Too second (g/km): Euro 4 Euro 4 Euro 4 Euro 4 Euro 4				
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Emission control system: 3-way cat. conv. with 2 oxygen sensors of 68 90 at 600 with 12 0xygen sensors of 68 90 at 600 with 12 0xygen sensors of 12 0xygen 14 0xygen 0xygen 1				
Emission control system: 3-way (at. cont, wint a Conjege Bendors Object (MM): 170 Conject (MM): 676 at 600 Max. torque (Mm at Timin): 125 at 4000 Specific torque (Mm): 125 at 4000 Mean. torque (Mm): 126 at 000 Average piston speed (m%): 147 Coling capacity (I): 325 Coling capacity (I): 326 Coling capacity (I): 344 Atternator 142.0 V, capacity (M): 44 Atternator 142.0 V, capacity (M): 326 Coling capacity (I): autoratic + tack-up Gear ratios: fortat ratios: 4.12 at ratio: 2.14 at ratios: 1.48 ad ratio: 1.00 Mire stappension fort: torque conventer Diag conficiont (C, 1):			Performance	
Specific power (With pair). 47.5 (64 allow mathematic power (With pair). 13 Specific torque (Nmilier). 125 at 4000 72 Specific torque (Nmilier). 90.0 Indeestrie (BA): 72 Specific torque (Nmilier). 90.0 Indeestrie (BA): 72 Warden decide pressure at mathematic torque (Nmilier). 93.0 Indeestrie decording to EU guideline 99.100/EU. Additional equipment can lead to increased main inclust to in				170
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Main officitive pression and more pression and				
max power/max power/max power/max Additional equipment can lead to increased consumption and COy values. urban: difficient Average joins posed (m2): 3.25 construction construction </td <td></td> <td>90.0</td> <td></td> <td></td>		90.0		
Average piston speed (mgs): 14,7 101/m Average piston speed (mgs): 14,7 101/m Engine oil: capacity (D): 3.25 Cooling capacity (D): 6.5 Battery 12 / capacity (M): 994 Transmission 190 Drive axle:: front wheel drive Transmission, type: dummatic + lock-up Geer rates: for thele drive: Tarsmission, type: dummatic + lock-up Geer rates: for dumatic + lock-up Geer rates: for dumatic - lock-up Geer rates: for dumatic - lock-up Geer rates: for dumatic - lock-up Clutch, type: torque converter Body 0.22 Clutch, type: 0.32* Drag coefficient (C_i): 0.32* Protestas: 5 Drag coefficient (C_i): 0.32* Frontal area (A in m?): 0.35* Chassis mislependert, MePherson struts, wishbone on closed subframe Wheel suspension front: independert, MePherson struts, wishbone on closed subframe Window (cav,K) version independert, MePherson struts, wishbone on closed subframe <			r der consumption (intel/100 km).	
Engine oil. capacity (1): 3.25 eutra* 11.2 * Cooling capacity (1): 6.5 eutra* eutra* 11.2 * Atlemator 14.2 V, capacity (1/h): 44 44 11.2 * eutra* Atlemator 14.2 V, capacity (1/h): 44 44 11.2 * eutra* Transmission 994 94 11.4 * 11.4 * 11.4 * Transmission, type: automatic + lock-up Euro 4 11.3 * 11.4 * <td></td> <td></td> <td></td> <td></td>				
Light of				
Bodie Description Alternator 14.2 V. capacity (M):Co 94total:7.9Alternator 14.2 V. capacity (W):94CO 2 emission (g/km): Emission class:total:7.9Transmission Transmission, type: Gear ratios:front wheel drive automatic + lock-up reverse ratio: 2.81 / 2.17 final drive ratio: 1.00 4th ratio: 0.74 reverse ratio: 2.81 / 2.17 final drive ratio: 4.12 reverse ratio: 2.77 final drive ratio: 4.12 reverse ratio: 2.77 final drive ratio: 4.12 reverse ratio: 2.77 final drive ratio: 4.12 reverse ratio: 2.81 / 2.61				
Data by F.Y. Supposed (W): 94 CO_9 emission (3km): 190 Transmission 190 Envo 4 Drive axle: front wheel drive Service intervals: Basic model Transmission (spec: automatic + lock-up Service intervals: inspection: every 30,000 km or once a year Clutch, type: automatic + lock-up Service intervals: inspection: every 30,000 km or once a year Sets: - * Basic model * Yeas at: 5 Service intervals: inspection: every 30,000 km or once a year Sets: - - * Basic model Yeas at: - * * Sets: - - - Operation: 0.32° - - Protat area (A in m?): 0.32° - - Protat area (A in m?): 0.65° - - Wheel suspension front: independent, McPherson struts, wishone on closed subframe - Wishope on closed subframe - - - Main clubar: - - - Brakes tornt, diameter (rm?): 2, diagonal - - Brakes tornt, diameter (rm?): - - -				
Kuesting Hull of Capacity (N). Got Emission Emission class: Euro 4 Transmission, type: automatic + tock-up Maintenance Service intervals: inspection: every 30,000 km or once a year Gear ratios: 1st ratio: 2.81 2 nd ratio: 1.48 3rd ratio: 1.00 Hir ratio: 0.74 reverse ratio: 2.77 final drive ratio: 4.12 Clutch, type: torque converter 5 Service intervals: inspection: every 30,000 km or once a year Prag coefficient (c_i): 0.32* Service intervals: inspection: every 30,000 km or once a year Prag coefficient (c_i): 0.32* Service intervals: inspection: every 30,000 km or once a year Chassis 5 Service intervals: inspection: every 30,000 km or once a year Wheel suspension front: 0.32* Service intervals: inspection: every 30,000 km or once a year Wheel suspension front: independent, McPherson struts, wishone on closed subframe Service intervals: inspection: every 30,000 km or once a year Wheel suspension front: independent, McPherson struts, wishone on closed subframe Service intervals: independent Wheel suspension rear: toriul terrare for the rear Service intervals: independent <			CO emission (a/km);	
Cluck, type: ford wheel drive automatic + lock-up transmission, type: Maintenance Service intervals: Inspection: every 30,000 km or once a year Cluch, type: 1st ratio: 2.31 2nd ratio: 1.48 3rd ratio: 1.00 4th ratio: 0.74 reverse ratio: 2.77 final drive ratio: 4.12 *Basic model *kerb weight (70156 EEC) and 125 kg payload *Basic model *kerb weight (70156 EEC) and 125 kg payload Body 0.32* 0.32* *Solution to compare the	Alternator 14.2 V, capacity (W):	994		
Drive axis front wheel drive Maintenance Transmission, type: automatic + lock-up Gear ratios: automatic + lock-up Service intervals: inspection: every 30,000 km or once a year Gear ratios: istratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00 Ath ratio: 0.74 reverse ratio: 2.77 reverse ratio: 2.77 final drive ratio: 4.12 Body - Seats: 5 Drag coefficient (c_s): 0.32* Front area (A in m?): 2.01 index (c_xA): 0.65* Wheel suspension front: wishbone on closed subtrame Wheel suspension rear: Anti roll bar: toring the reverse ratio: attract area (A in m?): <p< td=""><td>T</td><td></td><td></td><td>Edio</td></p<>	T			Edio
Drive axte: front wheel drive Gear ratios: attomatic + lock-up Gear ratios: 1st ratio: 2.41 2nd ratio: 1.48 3rd ratio: 1.00 H ratio: 1.41 ratio: 0.74 reverse ratio: 2.77 final drive ratio: 4.12 Clutch, type: torque converter Body Service intervals: independent, McPherson struts, wheel suspension front: Model suspension rear: Anti roll bar: Frakes Frakes Frakes Frakes front, diameter (mm): wentilet disc, 200 Kervice intervals: Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 km or once a year Service intervals: inspection: every 30,000 k	Iransmission		Maintenance	
Gear ratios: 1 stratic: 2.81 2nd ratio: 1.00 4th ratio: 0.74 reverse ratio: 2.77 final drive ratio: 4.12 * Basic model * Kerb weight (70156 EEC) and 125 kg payload Body Seats: 5 Drag coefficient (c,): 0.32* Frontal area (A in m?): 2.01 Lindex (c, xA): 0.65* Chassis 0.65* Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: independent, McPherson struts, wishbone on closed subframe Torsion tront + rear Brakes front, diameter (mm): 2, diagonal Brakes front, diameter (mm): 2, diagonal Ventilated disc, 260	Drive axle:	front wheel drive		
Ath ratio: 0.74 reverse ratio: 2.77 torque converter* Basic model * Kerb weight (70156 EEC) and 125 kg payloadBody* Seate: * Cape conficient (c_0):0.32* 0.32* 0.32* 0.63*Seate:0.32* 0.32* 0.63*0.32* 0.63*Protal area (A in m ²):0.63* 0.63*0.64* 0.64*Wheel suspension front:independent, McPherson struts, wishbone on closed subframe miniblock coil springs, gas-filled shock absorbers Ant roll bar:independent, McPherson struts, wishbone on closed subframe miniblock coil springs, gas-filled shock absorbers Ant roll bar:independent, McPherson struts, wishbone on closed subframe torut + rearBrakesrevendent miniblock coil springs, gas-filled shock absorbers miniblock coil springs, gas-filled shock absorbers Brakes rend, diameter (mm):2.03 torut = 0.00*Brakes rend, diameter (mm):2.03 uspring2.04 uspring2.04 uspringBrakes rend, diameter (mm):2.03 uspring2.04 uspring2.04 uspringBrakes rend, diameter (mm):2.03 uspring2.04 uspring2.04 uspringBrakes rend, diameter (mm):2.04 uspring2.04 uspring2.04 uspringBrakes rend, diameter (mm):2.04 uspring2.04 uspring2.04 uspringBrakes rend, diameter (mm):2.04 uspring2.04 uspring2.04 uspringBrakes rend, diameter (mm):2.04 uspring2.04 uspring2.04 uspringBrakes rend, diameter (mm):2.04 uspring2.04 uspring2.04 uspringBrake	Transmission, type:	automatic + lock-up	Service intervals:	inspection: every 30,000 km or once a year
Clutch, type: reverse ratio: 2.77 final drive ratio: 4.12 * Basic model * Basic model * Kerb weight (70156 EEC) and 125 kg payload Body Seats: 5 Drag coefficient (c_j): 0.32* Frontal area (A in m ²): 0.32* Frontal area (A in m ²): 0.32* Protex (c_wAA): 0.6* Chassis Kerb weight (70156 EEC) and 125 kg payload Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: Independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coll springs, gas-filled shock absorbers Ant roll bar: front + rear Brakes 2. diagonal grakes fornt, diameter (mm): Brakes fornt, diameter (mm): 2. diagonal drum, 200	Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		
Clutch, type: * Kerb weight (70156 EEC) and 125 kg payload Body * Kerb weight (70156 EEC) and 125 kg payload Seats: 5 Drag coefficient (c_,): 0.32* Frontal area (A in m ²): 0.35* Chassis		4th ratio: 0.74		
Body Seats: 5 Drag coefficient (c_0): 0.32* Frontal area (A in m ²): 2.01 Index (c_xA): 0.65* Chassis Wheel suspension front: independent, McPherson struts, wishnowe on closed subframe Wheel suspension rear: torsion ube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes Brakes front, diameter (mm): ventilated disc, 260 Brakes front, diameter (mm): ventilated disc, 260		reverse ratio: 2.77 final drive ratio: 4.12		
Seats: 5 Drag coefficient (c_v): 0.32* Frontal area (A in m ²): 2.01 Index (c_wxA): 0.65* Chassis	Clutch, type:	torque converter	[^] Kerb weight (70156 EEC) and 125 kg payload	
Seats: 5 Drag coefficient (c_v): 0.32* Frontal area (A in m ²): 2.01 Index (c_wxA): 0.65* Chassis				
Drag coefficient (c_o): 0.32* Frontal area (A in m?): 2.01 Index (c_wXA): 0.65* Chassis Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes 2, diagonal Brakes rear, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): drum, 200	Body			
Drag coefficient (c_o): 0.32* Frontal area (A in m?): 2.01 Index (c_wXA): 0.65* Chassis Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes 2, diagonal Brakes rear, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): drum, 200	Seats	5		
Frontal area (A in m ²): 2.01 Index (c _wA): 0.65* Chassis Independent, McPherson struts, wishbone on closed subframe Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes 2, diagonal Brakes rear, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): drum, 200				
Index (c _xA): 0.65* Chassis independent, McPherson struts, wishbone on closed subframe Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): drun, 200				
Chassis Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: independent, McPherson struts, wishbone on closed subframe Anti roll bar: front + rear Brakes front + rear Brakes front, diameter (mm): 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): drun, 200				
Wheel suspension front:independent, McPherson struts, wishone on closed subframeWheel suspension rear:torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers front + rearAnti roll bar:front + rearBrakes				
Wheel suspension front:independent, McPherson struts, wishone on closed subframeWheel suspension rear:torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers front + rearAnti roll bar:front + rearBrakes	Chassis			
Wheel suspension rear: wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes ganal Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): drum, 200				
Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes 2, diagonal Brake front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): drum, 200	Wheel suspension front:			
Anti roll bar: miniblock coil springs, gas-filled shock absorbers Frakes front + rear Brakes 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): drum, 200				
Anti roll bar: front + rear Brakes Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): drum, 200	Wheel suspension rear:			
Brakes Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): drum, 200				
Brake circuits:2, diagonalBrakes front, diameter (mm):ventilated disc, 260Brakes rear, diameter (mm):drum, 200	Anti roll bar:	front + rear		
Brakes front, diameter (mm):ventilated disc, 260Brakes rear, diameter (mm):drum, 200	Brakes			
Brakes front, diameter (mm):ventilated disc, 260Brakes rear, diameter (mm):drum, 200	Brake circuits:	2, diagonal		
Brakes rear, diameter (mm): drum, 200				
		•		

Corsa Comfort 1.4 16V Z14XE 66kW/90hp 5-speed hatchback 5 doors

	······································		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01		0047
		Length (mm):	3817
Engine data		Width (mm):	1646 1440
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm): Wheelbase (mm):	2491
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1417/1408
Cylinders, number:	4	Luggage capacity (I) ECIE:	260-1060
Bore (mm):	77.6	Rim width (inch)(mm)/tire size:	5.5Jx14/175/65 R 14 T
Stroke (mm):	73.4	Turning clearance circle/turning circle (m):	10.45/9.90
Displacement (cc):	1389	Steer. wheel turns lock/lock:	2.9
Compression ratio:	10.5:1	Steering, ratio:	electrical power steering, 16
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	16.3; 11.9
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	790/760
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1000/450
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	50/100
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Fuel tank capacity (I), location:	44, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	66/90 at 6000	Top speed (km/h):	180
Specific power (kW/l; hp/l):	47.5; 64.8	Acceleration 0-100 km/h (sec)*:	11.5
Max. torque (Nm at 1/min):	125 at 4000	Acc. 80-120 km/h in 5th gear (sec)*:	15
Specific torque (Nm/liter):	90.0	Pass-by noise (dBA):	72
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	950.3/1131.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	14.7		Additional equipment can lead to increased
Engine oil, capacity (I):	3.25		consumption and CO ₂ values. urban: 9.8
Cooling capacity (I):	6.1		extra-urban: 5.7
Battery 12 V, capacity (Ah):	44		total: 7.2
Alternator 14.2 V, capacity (W):	994	CO ₂ emission (g/km):	173
		Emission class:	Euro 4
Transmission			Edio 4
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual		
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 3.94		
Clutch, type:	dry single plate	⁺ Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c,):	0.32⁺		
Frontal area (A in m^2):	2.01		
Index (c xA):	0.65*		
	0.00		
Changin			
Chassis			
Wheel suspension front:	independent, McPherson struts,		
	wishbone on closed subframe		
Wheel suspension rear:	torsion tube compound link suspension,		
	miniblock coil springs, gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 260		
Brakes rear, diameter (mm):	drum, 200		
ABS:	option		

Corsa Comfort 1.4 16V Z14XE 66kW/90hp 4-speed autom. hatchback 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	3817
		Width (mm):	1646
Engine data		Height (mm):	1440
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2491
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1417/1408
Cylinders, number:	4	Luggage capacity (I) ECIE:	260-1060
Bore (mm):	77.6	Rim width (inch)(mm)/tire size:	5.5Jx14/175/65 R 14 T
Stroke (mm):	73.4	Turning clearance circle/turning circle (m):	10.45/9.90
Displacement (cc):	1389	Steer. wheel turns lock/lock:	2.9
Compression ratio:	10.5:1	Steering, ratio:	electrical power steering, 16
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	g): 1093/1545/452
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	16.6; 12.1
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	820/760
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1000/450
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	50/100
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Fuel tank capacity (I), location:	44, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h):	170
Output (kW/hp CEE at 1/min):	66/90 at 6000	Acceleration 0-100 km/h (sec)*:	13
Specific power (kW/l; hp/l):	47.5; 64.8	Pass-by noise (dBA):	72
Max. torque (Nm at 1/min):	125 at 4000	Fuel:	unleaded premium
Specific torque (Nm/liter):	90.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Mean effective pressure at	050 0/4404 4		Additional equipment can lead to increased
max. power/max. torque (kPa):	950.3/1131.4		consumption and CO_2 values.
Average piston speed (m/s):	14.7 3.25		urban: 11.3
Engine oil, capacity (I):	6.5		extra-urban: 6.1
Cooling capacity (I): Battery 12 V, capacity (Ah):	6.5 44		total: 8.0
Alternator 14.2 V, capacity (W):	994	CO_2 emission (g/km):	192
	334	Emission class:	Euro 4
Transmission			
		Maintenance	
Drive axle:	front wheel drive	Service intervals:	inspection: every 30,000 km or once a year
Transmission, type:	automatic + lock-up	Service intervals.	inspection. every 30,000 km of once a year
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		
	4th ratio: 0.74	* Basic model	
Clutch turner	reverse ratio: 2.77 final drive ratio: 4.12	* Kerb weight (70156 EEC) and 125 kg payload	
Clutch, type:	torque converter		
Bady			
Body			
Seats:	5		
Drag coefficient (c_{D}) :	0.32*		
Frontal area (A in m ²):	2.01		
Index (c _w xA):	0.65*		
Chassis			
Wheel suspension front:	independent, McPherson struts,		
·	wishbone on closed subframe		
Wheel suspension rear:	torsion tube compound link suspension,		
	miniblock coil springs, gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 260		
Brakes rear, diameter (mm):	drum, 200		
ABS:	option		

Corsa 1.7 DI 16V Y17DTL 48kW/65hp 5-speed hatchback 3 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	3817
Engine data		Width (mm):	1646
		Height (mm):	1440
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2491
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1417/1408
Cylinders, number:	4	Luggage capacity (I) ECIE:	260-1060
Bore (mm):	79	Rim width (inch)(mm)/tire size:	5.5Jx14/175/65 R 14 T
Stroke (mm):	86	Turning clearance circle/turning circle (m):	10.40/9.80
Displacement (cc):	1686	Steer. wheel turns lock/lock:	4.3
	18.4:1		
Compression ratio:		Steering, ratio:	power steering option, 24.1
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg)): 1095/1505/410
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	22.8; 16.8
Valve train:	bucket tappets with compensating discs	Max. axle load front/rear (kg):	820/705
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1000/450
Valve adjustment:	manual	Trailer hook weight/roof load (kg):	50/100
Fuel system:	diesel direct injection, VP 29/ PSG 5	Fuel tank capacity (I), location:	44, under rear seats
Fuel pump:	vane pump, mechanical		44, under real seals
Emission control system:	2-way cat. conv. (oxidizing catalytic	Performance	
	converter), exhaust gas recirculation	Top speed (km/h):	162
Output (kW/hp CEE at 1/min):	48/65 at 4400		
Specific power (kW/l; hp/l):	28.5; 38.6	Acceleration 0-100 km/h (sec)*:	14.5
Max. torque (Nm at 1/min):	130 at 2000	Acc. 80-120 km/h in 5th gear (sec)*:	20.5
Specific torque (Nm/liter):	77.1	Pass-by noise (dBA):	73
Mean effective pressure at		Fuel:	diesel
max. power/max. torque (kPa):	776.4/969.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
		, , , , , , , , , , , , , , , , , , , ,	Additional equipment can lead to increased
Average piston speed (m/s):	12.6		consumption and CO_2 values.
Engine oil, capacity (I):	4.5		
Cooling capacity (I):	7.1		urban: 5.8
Battery 12 V, capacity (Ah):	60		extra-urban: 4.1
Alternator 14.2 V, capacity (W):	994		total: 4.7
		CO ₂ emission (g/km):	127
Transmission		Emission class:	Euro 3
Transmission			
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual		
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.95 5th ratio: 0.76		
	reverse ratio: 3.31 final drive ratio: 3.55		
		* Basic model	
Clutch, type:	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
		Kelb weight (70130 EEO) and 123 kg payload	
Body			
•	F		
Seats:	5		
Drag coefficient (c_{D}):	0.32+		
Frontal area (A in m ²):	2.01		
Index (c "xA):	0.65*		
Chassis			
Wheel suspension front:	independent, McPherson struts,		
	wishbone on closed subframe		
Wheel suspension rear:	twist beam, miniblock coil springs,		
	gas-filled shock absorbers		
Anti roll bar:			
Anti foil bar.	front + rear		
Brakes			
Brake circuits:	2. diagonal		
Brakes front, diameter (mm):	ventilated disc, 240		
Brakes rear, diameter (mm):	drum, 200		
ABS:	option		

Corsa 1.7 DI 16V Y17DTL 48kW/65hp 5-speed hatchback 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	5	0047
		Length (mm):	3817
Engine data		Width (mm):	1646
5	for at the second in for at afford a 70 501 for word in all and	Height (mm):	1440
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2491
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1417/1408
Cylinders, number:	4	Luggage capacity (I) ECIE:	260-1060
Bore (mm):	79	Rim width (inch)(mm)/tire size:	5.5Jx14/175/65 R 14 T
Stroke (mm):	86	Turning clearance circle/turning circle (m):	10.40/9.80
Displacement (cc):	1686	Steer. wheel turns lock/lock:	4.3
Compression ratio:	18.4:1	Steering, ratio:	power steering option, 24.1
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg)	
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	23.3; 17.2
Valve train:	bucket tappets with compensating discs	Max. axle load front/rear (kg):	820/705
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1000/450
Valve adjustment:	manual		50/100
Fuel system:		Trailer hook weight/roof load (kg):	
	diesel direct injection, VP 29/ PSG 5	Fuel tank capacity (I), location:	44, under rear seats
Fuel pump:	vane pump, mechanical		
Emission control system:	2-way cat. conv. (oxidizing catalytic	Performance	
	converter), exhaust gas recirculation	Top speed (km/h):	162
Output (kW/hp CEE at 1/min):	48/65 at 4400		
Specific power (kW/l; hp/l):	28.5; 38.6	Acceleration 0-100 km/h (sec)*:	14.5
Max. torque (Nm at 1/min):	130 at 2000	Acc. 80-120 km/h in 5th gear (sec)*:	20.5
Specific torque (Nm/liter):	77.1	Pass-by noise (dBA):	73
Mean effective pressure at		Fuel:	diesel
max. power/max. torque (kPa):	776.4/969.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	12.6		Additional equipment can lead to increased
Engine oil, capacity (I):	4.5		consumption and CO ₂ values.
Cooling capacity (I):	7.1		urban: 5.8
Battery 12 V, capacity (Ah):	60		extra-urban: 4.1
Alternator 14.2 V, capacity (W):	994		total: 4.7
Alternator 14.2 v, capacity (vv).	994	CO ₂ emission (g/km):	127
_		Emission class:	Euro 3
Transmission			Laioo
Drive axle:	front wheel drive	Maintananaa	
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.95 5th ratio: 0.76		
Clutch turner	reverse ratio: 3.31 final drive ratio: 3.55	* Basic model	
Clutch, type:	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
		Kelb weight (70100 EEC) and 120 kg payload	
Body			
Seats:	5		
Drag coefficient (c _s):	0.32*		
Frontal area (A in m ²):	2.01		
Index (c "xA):	0.65*		
Chassis			
Wheel suspension front:	independent, McPherson struts,		
wheel suspension nom.			
Wheel evenencion rear	wishbone on closed subframe		
Wheel suspension rear:	twist beam, miniblock coil springs,		
	gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
	0 diagonal		
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 240		
Brakes rear, diameter (mm):	drum, 200		
ABS:	option		

Corsa 1.7 DTI 16V Y17DT 55kW/75hp 5-speed hatchback 3 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 260
Engine data		Brakes rear, diameter (mm):	drum. 200
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	ABS:	option
Cooling system:	with liquid, sealed circuit		op do la
Cylinders, number:	4	Waighto and dimensions	
Bore (mm):	79	Weights and dimensions	
Stroke (mm):	86	Length (mm):	3817
Displacement (cc):	1686	Width (mm):	1646
Compression ratio:	18.4:1	Height (mm):	1440
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2491
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1417/1408
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Luggage capacity (I) ECIE:	260-1060
/alve train:	bucket tappets with compensating discs	Rim width (inch)(mm)/tire size:	5.5Jx14/175/65 R 14 T
/alve, arrangement:	v; 4 per cylinder	Turning clearance circle/turning circle (m):	10.40/9.80
/alve adjustment:	manual	Steer. wheel turns lock/lock:	4.3
Fuel system:	diesel direct injection. ECD V5	Steering, ratio:	power steering option, 24.1
	vane pump, mechanical	Steering wheel outside diameter (mm):	380
Fuel pump:		Kerb weight/max. allowable weight/additional load (kg	
Emission control system:	2-way cat. conv. (oxidizing catalytic	Power to weight ratio (kg/kW; kg/hp)(empty):	20.3; 14.9
	converter), exhaust gas recirculation	Max. axle load front/rear (kg):	860/760
Charger system:	turbocharger	Trailer load braked/unbraked (kg):	1000/450
Dutput (kW/hp CEE at 1/min):	55/75 at 4400	Trailer hook weight/roof load (kg):	50/100
Specific power (kW/l; hp/l):	32.6; 44.5	Fuel tank capacity (I), location:	44, under rear seats
Max. torque (Nm at 1/min):	165 at 1800	i dei talik capacity (i), iocation.	44, under lear seals
Specific torque (Nm/liter):	97.9	Derferences	
Mean effective pressure at		Performance	
nax. power/max. torque (kPa):	889.7/1230.4	Top speed (km/h):	170
Average piston speed (m/s):	12.6	Acceleration 0-100 km/h (sec)*:	13.5
Engine oil, capacity (I):	4.5	Acc. 80-120 km/h in 5th gear (sec)*:	15
Cooling capacity (I):	7.1	Pass-by noise (dBA):	74
Battery 12 V, capacity (Ah):	70	Fuel:	diesel
Alternator 14.2 V, capacity (W):	994	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU
		· · · · · · · · · · · · · · · · · · ·	Additional equipment can lead to increased
Transmission			consumption and CO_2 values.
Drive axle:	front wheel drive		urban: 5.8
Fransmission, type:	manual		extra-urban: 4.1
7.21			total: 4.7
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31	CO_2 emission (g/km):	127
	4th ratio: 0.95 5th ratio: 0.76	Emission class:	Euro 3
	reverse ratio: 3.31 final drive ratio: 3.55	Emission dass.	Editos
Clutch, type:	dry single plate	Maintananaa	
		Maintenance	
Body		Service intervals:	inspection: every 30,000 km or once a year
Seats:	5		
Drag coefficient (c_):	0.32 ⁺		
Frontal area (A in m ²):	2.01	* Basic model	
	0.65*	* Kerb weight (70156 EEC) and 125 kg payload	
ndex (c "xA):	0.05		
Chassis			
Wheel suspension front:	independent, McPherson struts,		
	wishbone on closed subframe		
Wheel suspension rear:	torsion tube compound link suspension,		
	miniblock coil springs, gas-filled shock absorbers		
Anti roll bar:	front + rear		

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Corsa 1.7 DTI 16V Y17DT 55kW/75hp 5-speed hatchback 5 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 260
Engine data		Brakes rear, diameter (mm):	drum. 200
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	ABS:	option
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Waighta and dimensiona	
Bore (mm):	79	Weights and dimensions	
Stroke (mm):	86	Length (mm):	3817
Displacement (cc):	1686	Width (mm):	1646
Compression ratio:	18.4:1	Height (mm):	1440
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2491
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1417/1408
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Luggage capacity (I) ECIE:	260-1060
		Rim width (inch)(mm)/tire size:	5.5Jx14/175/65 R 14 T
Valve train:	bucket tappets with compensating discs	Turning clearance circle/turning circle (m):	10.40/9.80
Valve, arrangement:	v; 4 per cylinder	Steer. wheel turns lock/lock:	4.3
Valve adjustment:	manual	Steering, ratio:	power steering option, 24.1
Fuel system:	diesel direct injection. ECD V5	Steering, heel outside diameter (mm):	380
Fuel pump:	vane pump, mechanical	Kerb weight/max. allowable weight/additional load (kg	
Emission control system:	2-way cat. conv. (oxidizing catalytic		20.7: 15.2
	converter), exhaust gas recirculation	Power to weight ratio (kg/kW; kg/hp)(empty):	
Charger system:	turbocharger	Max. axle load front/rear (kg):	860/760
Output (kW/hp CEE at 1/min):	55/75 at 4400	Trailer load braked/unbraked (kg):	1000/450
Specific power (kW/l; hp/l):	32.6; 44.5	Trailer hook weight/roof load (kg):	50/100
Max. torque (Nm at 1/min):	165 at 1800	Fuel tank capacity (I), location:	44, under rear seats
Specific torque (Nm/liter):	97.9		
Mean effective pressure at		Performance	
max. power/max. torque (kPa):	889.7/1230.4		170
Average piston speed (m/s):	12.6	Top speed (km/h):	
Engine oil, capacity (I):	4.5	Acceleration 0-100 km/h (sec)*:	13.5
Cooling capacity (I):	7.1	Acc. 80-120 km/h in 5th gear (sec)*:	15
Battery 12 V, capacity (Ah):	70	Pass-by noise (dBA):	74
Alternator 14.2 V, capacity (W):	994	Fuel:	diesel
Alternator 14.2 V, capacity (VV).	334	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EL
- · ·			Additional equipment can lead to increased
Transmission			consumption and CO ₂ values.
Drive axle:	front wheel drive		urban: 5.8
Transmission, type:	manual		extra-urban: 4.1
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31		total: 4.7
	4th ratio: 0.95 5th ratio: 0.76	CO_2 emission (g/km):	127
	reverse ratio: 3.31 final drive ratio: 3.55	Emission class:	Euro 3
Clutch, type:	dry single plate		
Ciuton, type.	ury single plate	Maintenance	
- .			
Body		Service intervals:	inspection: every 30,000 km or once a year
Seats:	5		
Drag coefficient (c ₂):	0.32*		
Frontal area (A in m^2):	2.01	* Basic model	
Index (c xA):	0.65*	* Kerb weight (70156 EEC) and 125 kg payload	
	0.00		
Chassis			
Chassis			
Wheel suspension front:	independent, McPherson struts,		
	wishbone on closed subframe		
Wheel suspension rear:	torsion tube compound link suspension,		
	miniblock coil springs, gas-filled shock absorbers		
Anti roll bar:	front + rear		

14

Corsa Elegance 1.8 16V Z18XE 92kW/125hp 5-speed hatchback 3 doors

Model year: Date2011 % 2000Weights and futures (See Inn): Weights and futures (See Inn): Weights and futures (See Inn): Weights (<u></u>			
Lune de la carbon	Model year:	2001 ½	Weights and dimensions	
Engine Jotation First Interviewe in front of advar, 750 forward inclined Wein firmin; 143 Coding system: With Rule, seeled citcuit 1437 1437 Words (min); 8.2 200-100 1437 Description: 177 100 100 100 Description: 178 100 100 100 Description: 100 100 100 100 Description:	Date:	27.02.01		2917
Engline Uodal First Increase in front of axis, P.50 ¹ forward inclined Height (min) 4.40 Opinite, number 4 Additional Additional Opinite, number 105.1 Additional Additional Opinite, number 105.1 Additional Additional Opinite, number 105.1 Additional Additional Opinite, number 100.0 Additional Opinite, number 100.				
Engline, booking: fourt, mersoreme in front of addr, 75 00 forward inclined Whisebase form; is, in address in a set of addres address in a set of address in a set of addres address in a set	Engine data			
Configuration multiple set and	Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	
Cylindian juntkier4Lugger of upper junction500 100 ÅDeployment for the cylindian program of the cylindian prog				
Bore from: 88.3 Bore from: 88.4 Bore from: 96 Comparison relation 105.4 Comparison relatin 105.4				
Stroke (m/m): BB.2 Diplocentral (Cs): Toda Opplocentral (Cs):		80.5		
Depletement (63) 178 Compensation 10.5 Compensation 10.5 Compensation 10.5 Compensation 10.5 Compensation 2.0 Compensation <td< td=""><td></td><td></td><td></td><td></td></td<>				
Comprise from function 10.51 in the stand hourings in the stand houring h	Displacement (cc):	1796		
Englise, type: in line; 5 mail bearings 300 Circle type: 400 Circle type:	Compression ratio:	10.5:1		
Oplinder blockhead, material: cast innihumum	Engine, type:	in line; 5 main bearings		
Cambaff(1), location: 2 overhead (DDHC), diven by touched beil Value tain: 12.8.9.3 Value tain: tain build build table table tapes 12.8.9.3 Value tain: tain build build table table tapes 12.8.9.3 Value tain: tain build build table table tapes 12.8.9.3 Value tain: tain build build build table table tapes 12.8.9.3 Value table: tain build build build table table tapes 12.8.9.3 Value table: tain build build build table table tapes 12.8.9.3 Value table: tain build build build table table tapes 12.8.9.3 Value table: table table: 12.8.9.3 Value table: table table: 12.8.9.3 Value table: table: 12.	Cylinder block/head, material:			
Value train: hydraulc bucket tappets ydraulc bucket tappets Store of the state Stor	Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt		
Value adjustment: automatic hydraulic specific port (hubbre) automatic hydraulic adjustment: automatic hydraulic adjustment automat		hydraulic bucket tappets		840/760
Fuel system: sequential multi point heal ingetion (SF), ISS P1 2.1 genitor, system: Heal tank capacity (0), location: 44, under rear seats Genit regritor (SF), ISS P1 2.1 genitor, system: Sectif, intoin may sensors 9 Specific power (WW), holp: 512, E8.6 9 Specific prover (WW), holp: 512, E8.6 9 Specific prover (WW), holp: 10 9 Specific prover (WW), holp: 54 9 Specific prover (WW), holp: 54 9 Cooling capacity (I): 64 9 Cooling capacity (I): 64 9 Cooling capacity (I): 54 64 Cooling capacity (I): 64 7.3 Cooling capacity (I): 64 7.3 Cooling capacity (I): 57 9 Crantenission (g/km): <td></td> <td>v; 4 per cylinder</td> <td>Trailer load braked/unbraked (kg):</td> <td>1200/500</td>		v; 4 per cylinder	Trailer load braked/unbraked (kg):	1200/500
Ignition system: elect. giniton may, giniton coll direct to spark plug Evaluation control bystem: 3-way cat. conv. with 2-wygen sensors 3-way cat. conv. converse sensors 3-way cat. converse sensors 3-way cat. converse sensors 3-way cat. converse s			Trailer hook weight/roof load (kg):	50/100
Fuel pump: electric_in tank Performance Fuel pump: swap cat. conv. wh/ 2 oxygen sensors 9 Support (WMh) 5212.83.8 6000 Specific power (WMh, thui): 91.9 9 Specific power (WMh, thui): 91.9 74 Specific power (WMh, thui): 91.9 74 Specific power (WMh, thui): 102.45715.0 76 Sensor (Sensor power/max. torque (PPa): 122.5 76 Average piston specific varue (WMH, thui): 142.0 76 Sensor (WMH): 60 142.0 7.9 Origon (WMH): 60 60 60 60 Tensorsion frantaria: frantaria: 7.9 Origon (WHM): 01.20 7.9 200			Fuel tank capacity (I), location:	44, under rear seats
Emission control system: 3-way cat. conv. with 2 oxygen sensors Perify and the peri				
Entersion Control system: Server 2012 (Server 2012) Entersion Control system: Server 2012 (Server 2012) Max. torque (Nm at 1/mm): Seperit Corpue (NM): Seperit Corpue (Server): Seperit Corpue (Server): Seperit Corpue (Server): Seperit Corpue (Server): Seperit Corpue (Server): Server 2012 (Server): Serv			Performance	
Specific power (WWI: pro): 512: 60 accords Accorderation 0-100 km/h (sec): 9 Accorderation 0-100 km/h (sec): 11.5 Specific torque (Nm/lier): 919 Max torque (Mm) 11.5 Specific torque (Nm/lier): 919 max. prover/max. torque (Ra): 11.5 Average pilon specific torque (Nm/lier): 425 Average pilon specific torque (Nm/lier): 426 Colong capacity (I): 425 Battery 12 V, capacity (M): 50 Alternation (N, V): 50 Alternation (N, V): 50 Transmission fort wheel drive marantos: fort wheel drive marantos: final drive ratio: 1.41 drive intervalis: inspection: every 30,000 km or once a year Provalate 5 Provalate 5 Provalate 5 Provalate 5 Curch, type: 049 single plate Curch, type: 0.322'' Provalate 5 Provalate 5 Provalate 5 Provalate 5 <tr< td=""><td></td><td></td><td></td><td>202</td></tr<>				202
Max. torque (Nn at 1/min): 165 at 4600 Acc. 80-120 km/h in 5th ger (sec): 11.5 Mean effective pressure at max. prover (Ref): 91.9 74 Mean effective pressure at max. prover (Ref): 17.6 1024.5/115.0 Average piston speed (m/s): 7.6 1024.5/115.0 Average piston speed (m/s): 7.6 1024.5/115.0 Conting reparts (N): 4.25 1420 Conting reparts (N): 5.4 1420 Atternator 14.2 V, capacity (N): 5.4 1420 Atternator 14.2 V, capacity (N): 5.4 1420 Conting reparts (R): 7.9 1004.1 Transmission for at 15.0 37.3 2 nd ratio: 2.14 3 rd ratio: 1.41 4h ratio: 1.32 friatio: 3.73 2 nd ratio: 2.14 3 rd ratio: 1.41 dw ratio: 163 ratio: 3.73 2 nd ratio: 2.14 3 rd ratio: 1.41 4h ratio: 1.32 friatio: 1.41 dw ratio: 164 ratio: 3.73 2 nd ratio: 2.14 3 rd ratio: 1.41 4h ratio: 1.15 friatio: 0.39 dw ratio: 163 ratio: 3.73 2 nd ratio: 2.14 3 rd ratio: 1.41 4h ratio: 1.15 friatio: 0.39 dw ratio: 164 ratio: 3.73 2 nd ratio: 2.14 3 rd ratio: 1.41 4h ratio: 1.15 friatio: 1.30 dw ratio: 155 ratio: 0.32 150 ratio: 1.41 4h ratio: 1.15 friatio: 0.13 Drag coefficient (c,1): 0.32 1.55 1.55 Drag coefficien				
Page-bit compute (Numilier): 91.9 Page-bit compute (Numilier): 91.9 Page-bit compute (Numilier): 91.9 Page-bit compute (Numilier): 124.511155.0 Average piston speed (ms): 17.6 Engine oil, capacity (N): 4.25 Cooling capacity (N): 4.25 Attemator 14.2, capacity (Ah): 5.4 Battery 12.V, capacity (Ah): 5.4 Battery 12.V, capacity (Ah): 5.4 Drive atic: fort wheel drive Transmission 7.9 Drive atic: fort wheel drive Transmission, type: manul Gear ratios: 11.2 fort ratio: 2.14 3rd ratio: 1.41 H ratio: 1.12 fort ratio: 2.14 3rd ratio: 1.41 ** Basic model 's basic model 's basic model reversa ratios: 5 Outch, type: 0.33 Clutch, type: 0.32* Prive attracts 5 Prign at malk (N in m?): 0.32* Prive attracts 5 Prive attracts 5 Attract of the superson struts, ** Basic model 'kerb weight (70156 EEC) and 125 kg payload Prive attract (N in m?): 0.32* Prive attract (N in m?): 0.32* Prive attrations				
Mean offective pressure at max. torue (k-p) 1024_51155.0 Average piston speed (ms): 17.6 Cooling capacity (0): 4.25 Cooling capacity (0): 5.4 Battery 12V, capacity (W): 120 Atternator 14.2 V, capacity (W): 120 Dras cave/mains 05 6.0 Transmission font wheel drive Transmission, type: manual Gear ratio: 112 distain 0.23 Atternator 14.2 V, capacity (W): 123 contraine 0.214 and ratio: 1.41 4th ratio: 1.12 sh ratio: 0.89 reverse ratio: 3.31 final drive ratio: 3.74 Gear ratio: 5 Clutch, type: 5 Seates: 5 Cooling opacify (no.): 5 Verse average ratio: 112 sh ratio: 0.89 reverse ratio: final drive ratio: 3.74 dry single plate 5 Seates: 5 Cool officient (c_2): 5 Seates: 5 Proble average 5 Proble average ratio: 1024 shrow optimeration ratio: Wheel supension front: independent, McPherson struts, witchhone on closed subthrame witchhone on closed subthram				
max. proverimex. torgue (hPa): 12.4 5/115.0 Measured according to EU guideline 99/100/EU. warrage piston speed (mS): 17.6 conjung capacity (0): 5.4 Battery 12 V. capacity (Nr): 5.6 Atternator 14.2 V, capacity (Nr): 5.6 Atternator 14.2 V, capacity (Nr): 5.0 Column capacity (2): 1420 Atternator 14.2 V, capacity (Nr): 5.0 Column capacity (2): 1420 Prive ade: front wheel drive marraul marraul Column capacity (2): 12.8 Gear ratio: front wheel drive marraul marraul Gear ratio: 11.2 Battery (1, ppe: final drive ratio: 3.74 Warraup eiton (1, ppe: 5 Battery (1, ppe: 5 Column capacity (1, ppe: 5 Sensice intervals: inspection: every 30,000 km or once a year Battery (1, ppe: 5 Drag coefficient (1, p): 0.32* Frontal area (1, n m?): 0.32* Frontal area (1, n m?): 0.32* Vened suppension front: independent, McPherson struts, wishone on closed subframe wishone on		91.9		
Average piston speed (m/k): 12.0 Additional equipment can lead to increased consumption and Co.y values. Engine oil. capacity (0): 5.4 Setter 12.7 Cooling capacity (0): 12.2 Entern 12.7 Setter 12.7 Cooling capacity (0): 1420 Cooling capacity (0): 269 Transmission for wheel drive manual Euror 4 Cooling capacity (1): 269 Gear ratios: for wheel drive manual Euror 4 Euror 4 Clutch, type: moull 1st ratio: 3.37 dr ratio: 3.74 final drive ratio: 3.74 Basic model Clutch, type: 5 for wheel drive final drive ratio: 3.74 Setvice intervals: inspection: every 30,000 km or once a year Setst: 5 cooling capacity (1): 0.32 Setvice intervals: inspection: every 30,000 km or once a year Wheel suspension front: 5 setvice intervals: inspection: every 30,000 km or once a year Wheel suspension front: independent, McPherson struts, withohor en closed subframe whoel suspension front: issee crousing Wheel suspension front: independent, McPherson struts, withohor en closed subframe issee crousing istrute intervals:	Mean effective pressure at			•
inclusion of capacity (0): 4.25 Cooling capacity (0): 5.4 Battery 12 V, capacity (W): 1420 Atternator 14.2 V, capacity (W): 1420 Drive axle: front wheel drive Drive axle: front wheel drive Transmission, type: minuta Gear ratios: front wheel drive Transmission, type: monuta Gear ratios: front wheel drive Transmission, type: monuta Gear ratios: front wheel drive reverse ratio: 3.37 and ratio:: 4th ratio: 1.42 of traino: 4th ratio: 3.7.9 dratio:: Service intervals: inspection: every 30,000 km or once a year * Basic model * Keb weight (70156 EEC) and 125 kg payload * Chacksis 5 Vheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension froner:				
Cooling capacity (f): 5.4 Battery 12V, (spacity (AV)): 55 Atternator, 14.2 V, capacity (AV): 1420 Transmission COo_ emission (g/km): 269 Transmission, type: manual Gear ratos: 11 strator: 3.7 2 nd ratio: 2.14 3rd ratio: 1.41 4th rato: 1.12 5 thrato: 0.89 reverse ratio: 3.3.1 reverse ratio: 3.3 1 final drive ratio: 3.74 Clutch, type: 0,322' Prag coefficient (c_2): 5.5 Prag coefficient (c_2): 0,55' Chassis 5 Prag coefficient (c_2): 0,55' Chassis 5 Prag coefficient (c_2): 0,55' Chassis 5 Wheel suppension front: independent, McPherson struts, wishbore on closed subframe wishbore on closed subframe Wheel suppension front: independent, McPherson struts, wishbore on closed subframe insibid coling suprings, gas-filled shock absorbers Antiroll bar: front all dive craige and index supension, front: Wheel suppension front: independent, McPherson struts, Brakes forontis: space/filled shock absorbers				consumption and CO., values
Bastery 12 V. papelity (Mp): 55° Atternator 14.2 V. capacity (Mp): 1420 Transmission CO2 emission (dskm): 269 Transmission, type: front wheel drive Transmission, type: manual Euro 4 Gear ratio: 11 tratio: 2.73 dratio: 2.14 3rd ratio: 1.41 4th ratio: 1.57 abric: 0.89 evrote avies Euro 4 Clutch, type: dy single plate 5 Service intervals: Inspection: every 30,000 km or once a year Body Service intervals: inspection: every 30,000 km or once a year * Basic model Prag coefficient (c, j): 0.32° Service intervals: Inspection: every 30,000 km or once a year Prag coefficient (c, j.): 0.32° Service intervals: Inspection: every 30,000 km or once a year Prag coefficient (c, j.): 0.32° Service intervals: Inspection: every 30,000 km or once a year Wheel suspension front: independent, McPherson struts, withor one on closed subtrame Service intervals: Inspection: every 30,000 km or once a year Wheel suspension front: independent, McPherson struts, withor one on closed subtrame Service intervals: Inspection: every 30,000				urban: 11.2
Alternator 14.2 V. capacity (W): 120 total: 7.9 Transmission front wheel drive CO2_e emission (g/km): 269 Transmission, type: manual front wheel drive Euro 4 Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 4th ratio: 0.89 Foreignee reverses ratio: 3.31 final drive ratio: 3.74 Clutch, type: 0 200 Service intervals: inspection: every 30,000 km or once a year Basic model * * Basic model * Yords coefficient (c_2): 0.32* * Foreignee reverses * Prode state: 5 5 * * Prode state: 0.32* * * * Frontal area (A in m?): 0.32* 0.32* * * Wheel suspension front: independent, McPherson struts, wishbone on closed subrame wishbone on closed subrame * Wheel suspension rear: front ube compound link suspension, minibiok col symps, gas-filied shock absorbers * * Anti roll bar: front diameter (mm): 2, diagonal * * * Brakes ford, diameter (mm): 4tisc, 240 Ass: statad equipment				
Automical Field Field CO_emission (g/km):: 269 Drive axie: front wheel drive manual Euro 4 Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.411 4th ratio: 1.12 5th ratio: 0.89 Service intervals: inspection: every 30,000 km or once a year Clutch, type: dry single plate 5 Service intervals: inspection: every 30,000 km or once a year Precesser 5 Service intervals: inspection: every 30,000 km or once a year Precesser 5 Service intervals: inspection: every 30,000 km or once a year Precesser 5 Service intervals: inspection: every 30,000 km or once a year Network (x,h): 0.32* Service intervals: inspection: every 30,000 km or once a year Precesser 5 Service intervals: inspection: every 30,000 km or once a year Wheel suspension front: 0.32* Service intervals: inspection: every 30,000 km or once a year Wheel suspension front: independent, McPherson struts, whote on closed subframe Kerb weight (70156 EEC) and 125 kg payload Service intervals: Wheel suspension front: independent, McPherson struts, whote on closed subframe Service intervals: Service intervals				
TransmissionImage: Transmission, type:Euro 4Drive adie: Transmission, type:manual 1st ratio: 3.73 dratio: 2.14 3rd ratio: 1.41 4th ratio: 1.25 th ratio: 0.39 reverse ratio: 3.31 final drive ratio: 3.74 typingle plateMaintenance Service intervals:Clutch, type:5BodySeats:5Drog coefficient (c_,):0.32* Could (a fun m?):Chassis0.65*Chassis0.65*Chassisindependent, McPherson struts, withone on closed subframe toriol tube compound link suspension, minibock coil springs, gas-filled shock absorbers Anit roll bar:Anit roll bar:2, diagonal Brakes front, diameter (mm): Brakes front, diameter (mm): ABS:Brakes front, diameter (mm): Brakes front, diameter (mm):2, diagonal Add ratio guipmentDrive add: brakes front, diameter (mm): Brakes front, diameter (mm): B	Alternator 14.2 V, capacity (W):	1420	CO_{α} emission (a/km):	
Inary Instruction Maintenance Drive axle: front wheel drive manual Service intervals: inspection: every 30,000 km or once a year Clutch, type: driving applie Service intervals: inspection: every 30,000 km or once a year Clutch, type: driving applie * Basic model * Clutch, type: 5 * Service intervals: * Service intervals: 0.32* * Service intervals: * Frontal area (A in m?): 0.32* * Service intervals: * Vheel suspension front: independent, McPherson struts, wishbone on closed subframe * * Wheel suspension rear: torsion tube compound link suspension, minibiok coll spring, gas-filled shock absorbers Anti roll bar: font + rear Frakes 2, diagonal Brakes rear, diameter (mm): wnithed disc, 260 Brakes rear, diameter (mm): disc, 240 disc, 240 Brakes srear, diameter (mm): disc, 240	_			
Tensinistion, type: manual manual manual manual Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 4th ratio: 1.12 5th ratio: 0.89 reverse ratio: 3.31 final drive ratio: 3.74 drive ratio: 3.74 final drive ratio: 3.74 Service intervals: inspection: every 30,000 km or once a year Clutch, type: drive ratio: 3.31 final drive ratio: 3.74 bronze ratio: *Basic model *Kerb weight (70156 EEC) and 125 kg payload * Seats: 5 Drag coefficient (c,): 0.32* * * Frontal area (A in m?): 0.32* . . . Wheel suspension front: wishbone on closed subframe . . . Wheel suspension rear: torsion tube compound link suspension, miblock coil springs, gas-filled shock absorbers Brakes 2, diagonal front + rear Brakes rear, diameter (mm): ventilated disc, 260 Arakass rear, diameter (mm): disc, 240 Ass: .	Transmission			
Iransmission, type: manual amanual ama	Drive axle:	front wheel drive	Maintonanaa	
Cutch, type: 5 Body Seats: 5 Org coefficient (c_1): 0.32* Frontal area (A in m ²): 0.32* Frontal area (A in m ²): 0.65* Chassis 0.65* Wheel suspension front: independent, McPherson struts, wishbone on closed subframe wishbone on closed subframe minibock coll springs, gas-filled shock absorbers Anti roll bar: frontal disc, 280 Brakes 2, diagonal Brakes front, diameter (mm): venillated disc, 280 Brakes rear, diameter (mm): venillated disc, 280 Brakes rear, diameter (mm): disc, 240 ABS: standard equipment	Transmission, type:	manual		
Clutch, type: reverse ratio: 3.31 final drive ratio: 3.74 dry single plate * Basic model Clutch, type: * Basic model * Kerb weight (70156 EEC) and 125 kg payload Body 0.32* 0.32* Seats: 0.32* 0.32* Frontal area (A in m?): 0.65* Others (* xA): 0.65* Wheel suspension front: independent, McPherson struts, wishone on closed subframe wishone on closed subframe wishone on closed subframe wishone on closed subframe miniblock coil springs, gas-filled shock absorbers Ant roll bar: ren Brakes 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): standard equipment	Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
Clutch, type: dry single plate * Basic model * Kerb weight (70156 EEC) and 125 kg payload Body Seats: 5 Drag coefficient (c_p): 0.32* Frontal area (A in m?): 0.01 Index (c_wA): 0.65* Chassis		4th ratio: 1.12 5th ratio: 0.89		
Body * Kerb weight (70156 EEC) and 125 kg payload Seats: 5 Drag coefficient (c_,): 0.32* Fontal area (A in m ³): 2.01 Index (c_xA): 0.65* Chassis		reverse ratio: 3.31 final drive ratio: 3.74		
Body 5 Seats: 5 Drag coefficient (c_p): 0.32" Frontal area (A in m ²): 2.01 Index (c_xA): 0.65" Chassis 0.65" Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes 2, diagonal Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): standard equipment	Clutch, type:	dry single plate		
Seats: 5 Drag coefficient (c_s): 0.32* Frontal area (A in m ²): 2.01 Index (c_sA): 0.65* Chassis			Kerb weight (70156 EEC) and 125 kg payload	
Seats: 5 Drag coefficient (c_s): 0.32* Frontal area (A in m ²): 2.01 Index (c_sA): 0.65* Chassis	Body			
Drag coefficient (c_): 0.32* Frontal area (A in m?): 2.01 Index (c_wXA): 0.65* Chassis Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes 2, diagonal Brakes front, diameter (mm): 2, diagonal Brakes rear, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): disc, 240 ABS: standard equipment	-	5		
Frontal area (A in m ²): 2.01 Index (c wA): 0.65* Chassis				
Index (c "xA): 0.65* Chassis independent, McPherson struts, wishbone on closed subframe Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): disc, 240 ABS: standard equipment				
Chassis Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): disc, 240 ABS: standard equipment				
Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes z, diagonal Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): disc, 240 ABS: standard equipment		0.05		
Wheel suspension front: independent, McPherson struts, wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes z, diagonal Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): disc, 240 ABS: standard equipment	Chassis			
wishbone on closed subframe Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes front + rear Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): disc, 240 ABS: standard equipment	Chassis			
Wheel suspension rear: torsion tube compound link suspension, miniblock coil springs, gas-filled shock absorbers front + rear Anti roll bar: front + rear Brakes 2, diagonal Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): disc, 240 ABS: standard equipment	Wheel suspension front:	independent, McPherson struts,		
Anti roll bar: miniblock coil springs, gas-filled shock absorbers Anti roll bar: front + rear Brakes grakes Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): disc, 240 ABS: standard equipment		wishbone on closed subframe		
Anti roll bar: front + rear Brakes front + rear Brakes frout, diameter (mm): 2, diagonal Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): disc, 240 ABS: standard equipment	Wheel suspension rear:	torsion tube compound link suspension,		
BrakesBrake circuits:2, diagonalBrakes front, diameter (mm):ventilated disc, 260Brakes rear, diameter (mm):disc, 240ABS:standard equipment		miniblock coil springs, gas-filled shock absorbers		
Brake circuits:2, diagonalBrakes front, diameter (mm):ventilated disc, 260Brakes rear, diameter (mm):disc, 240ABS:standard equipment	Anti roll bar:	front + rear		
Brake circuits:2, diagonalBrakes front, diameter (mm):ventilated disc, 260Brakes rear, diameter (mm):disc, 240ABS:standard equipment				
Brake circuits:2, diagonalBrakes front, diameter (mm):ventilated disc, 260Brakes rear, diameter (mm):disc, 240ABS:standard equipment	Brakes			
Brakes front, diameter (mm): ventilated disc, 260 Brakes rear, diameter (mm): disc, 240 ABS: standard equipment		2 diagonal		
Brakes rear, diameter (mm): disc, 240 ABS: standard equipment				
ABS: standard equipment				
		should equipment	I	

Corsa Elegance 1.8 16V Z18XE 92kW/125hp 5-speed hatchback 5 doors

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Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01		22/7
		Length (mm):	3817
Engine data		Width (mm):	1646
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	1440
Cooling system:	with liquid, sealed circuit	Wheelbase (mm):	2491
Cylinders, number:	4	Track front/rear (mm):	1417/1408
Bore (mm):		Luggage capacity (I) ECIE:	260-1060
Stroke (mm):	88.2	Rim width (inch)(mm)/tire size:	6Jx15/185/55 R 15 up to 210 km/h category H 10.45/9.9
Displacement (cc):	1796	Turning clearance circle/turning circle (m): Steer. wheel turns lock/lock:	2.9
Compression ratio:	10.5:1	Steering, ratio:	electrical power steering, 16
Engine, type:	in line; 5 main bearings	Steering, ratio. Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	12.9; 9.5
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	840/760
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1200/500
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	50/100
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Fuel tank capacity (I), location:	44, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug	r dor tarrit capacity (i), iocation.	
Fuel pump:	electric, in tank	Borformonoo	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	92/125 at 6000	Top speed (km/h):	202
Specific power (kW/l; hp/l):	51.2; 69.6	Acceleration 0-100 km/h (sec)*:	9
Max. torque (Nm at 1/min):	165 at 4600	Acc. 80-120 km/h in 5th gear (sec)*:	11.5
Specific torque (Nm/liter):	91.9	Pass-by noise (dBA):	74
Mean effective pressure at		Fuel:	unleaded premium 95 RON
max. power/max. torque (kPa):	1024.5/1155.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	17.6		Additional equipment can lead to increased
Engine oil, capacity (I):	4.25		consumption and CO ₂ values.
Cooling capacity (I):	5.4		urban: 11.2
Battery 12 V, capacity (Ah):	55		extra-urban: 6.0
Alternator 14.2 V, capacity (W):	1420		total: 7.9
		CO ₂ emission (g/km):	269
Transmission		Emission class:	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
•			
Seats:	5		
Drag coefficient (c_p):	0.32*		
Frontal area (A in m ²):	2.01		
Index (c "xA):	0.65*		
Chassis			
Wheel suspension front:	independent, McPherson struts,		
·····	wishbone on closed subframe		
Wheel suspension rear:	torsion tube compound link suspension,		
·····	miniblock coil springs, gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 260		
Brakes rear, diameter (mm):	disc, 240		
ABS:	standard equipment		
TC Plus:	standard equipment		

Corsa Van 1.2 16V Z12XE 55kW/75hp 5-speed delivery van 2 doors

Model year: 2001 % Weights and dimensions Date: Z7.02.01 Barting and the second of th				
Engine data3817Engine, location:front, transverse in front of axle, 7° 50' forward inclinedWidth (mm):1646Cooling system:with liquid, sealed circuit1440Cooling system:with liquid, sealed circuit1417/1408Cooling system:41440Bore (mm):72.51417/1408Displacement (cc):11991277Compression ratio:10.111277Engine, type:in line; 5 main bearingsCargo-area width (mm):1277Compression ratio:10.111111277Engine, type:in line; 5 main bearingsCargo-area keight (mm):255,1x14/175/65 R 14 TCompression ratio:10.1110.1120 verhead (DOHC), driven by chain55,1x14/175/65 R 14 TEngine, type:rower (around to hydraulic20 verhead (DOHC), driven by chain55,1x14/175/65 R 14 TValve raging ratio:20 verhead (DOHC), driven by chain55 etering, ratio:9 electrical power steering, 16Valve raging ratio:20 verhead (DOHC), driven by chain55 etering, ratio:9 electrical power steering, 16Valve aguisment:vi A per cylinder55,5x14/175/65 R 14 T10.11Fuel system:electric, in trankvi A per cylinder9 electric, in trankValve day torn the bingition coil direct to spark plugFuel trank capacit (N), location:44, under rear seatsFuel system:electric, in trank3 way cat. corv. with 2 oxygen sensors100.4400Output (KWh) (hph)):453, 62.6100.440044, under rear seat	Model year:	2001 1/2	Weights and dimensions	
Engine dataWidth (rim1):1646Engine datafront, transverse in front of axle, 7° 50' forward inclinedHeight (rm2):1440Cooling system:with liquid, sealed circuitWheelbase (rm2):2491Cylinders, number:4Yate (rm2):1417/1408Bore (rm2):72.5Stroke (rm2):1275Displacement (cc):1199Cargo-area lenght (rm2):1277Compression ratio:10:11Cargo-area lenght (rm2):857Engine, type:in line; 5 main bearingsTurning clearance circle/turning circle (m2):5.5JJX14/175/65 R 14 TCompression ratio:2 overhead (DOHO), driven by chainSteer (m2):0.459.9Cargo-area width (rm2):2 overhead (DOHO), driven by chainSteer (m2):0.459.9Valve tarin:roller rocker with hydraulic bucket tappetsSteer (m3):800Valve arrangement:v. 4 per cylinderSteer (m3):380Valve agrisment:electri, gnition map, ignition coil direct to spark plugPower to weight ratio:140/1300/350Valve agrisment:electri, gnition map, ignition coil direct to spark plugPower to weight ratio:1400/350/350Valve agrisment:9.4575 at 5600Yals CaYals CaYals CaSpecific torque (Nm1kir):10 at 4000Yals CaYals CaYals CaAwa: torque (Nm1kir):10 at 4000Yals CaYals CaYals CaSpecific torque (Nm1kir):9.210/1153.4Yals CaYals CaYals CaValve dagitsment:9.210/1153.4Ya	Date:	27.02.01	-	3817
Engine, location:front, transverse in front of axle, 7° 50' forward inclinedHeight (mm):1440Cooling system:with liquid, sealed circuitTrack front/rear (mm):1417/1408Cylinders, number:4Luggage capacity (I) ECIE:579-1060Bore (mm):72.5Cargo-area eight (mm):1275Stroke (mm):72.6Cargo-area eight (mm):1277Compression ratio:10.11Cargo-area eight (mm):5.5.xt14/175/65 R 14 TCompression ratio:10.11Rim width (inch)(mm)/tire size:5.5.xt14/175/65 R 14 TCylinder block/head, material:cast ion/aluminumSteering, ratio:2.9Cylinder block/head, material:cast ion/aluminumSteering, ratio:2.9Valve arangement:v overhead (DOHC), driven by chainSteering, ratio:2.9Valve arangement:v overhead (DOHC), driven by chainSteering, ratio:380Valve arangement:v overhead (DOHC), driven by chainSteering, ratio:380Valve arangement:v overhead (DOHC), driven by chainSteering, ratio:380Valve adjustment:automatic - hydraulicSteering, ratio:140//130/350Fuel system:sequential multi point fuel injection (SFI), Motronic M 1.5.5Max. adle addel funt/raer (kg):140//130/350Fuel system:sequential multi point fuel injection (SFI), Motronic M 1.5.5Max. adle adle drivertike (kg):100//130/350Fuel pump:electri. initan map. ignition or old firect to spark plugMax. adle adle drivertike (kg):100//130/350Fu				
Engine, location:front, transverse in front of axle, 7* 50' forward inclinedWheelbase (mm):2491Cooling system:with liquid, sealed circuitTrack front/rear (mm):1417/1408Oylinders, number:4Luggage capacity (I) ECIE:579-1060Bore (mm):72.5Cargo-area ilenght (mm):1277Displacement (cc):1199Cargo-area vidth (mm):857Compression ratio:10.1:1Rim width (inch/(mm)/tire size:5.5 Lyt 1/175/65 R 14 TEngine, type:in line: 5 main bearingsTurming clearance circle/turning circle (m):10.45/9.9Cylinder block/head, material:cast iron/aluminumSteering, ratio:electrical power steering, 16Valve, arrangement:v, 4 per cylinderSteering, ratio:electrical power steering, 16Valve, arrangement:v, 4 per cylinderSteering, ratio:10.45/705Valve, arrangement:electr, inginition map, ignition coil direct to spark plugTrailer load braked/uhraked (kg):745/705Ignition system:electr, inginition map, ignition coil direct to spark plugTrailer load braked/uhraked (kg):700/0450Fuel system:savg cat. conv. with 2 oxygen sensorsFuel tank capacity (I), location:170Max. atrue (Nm/liter):91.7104 4000Acceleration 0-100 km/h (sec)':13Acverage (MM/h)(hr)(Kf):91.7Acceleration 0-100 km/h (sec)':13Max. atrue (Nm/liter):92.10/1153.4Acceleration 0-100 km/h (sec)':14.Max. atrue (Nm/liter):92.10/1153.4Pase-by noise (dBA): <td>Engine data</td> <td></td> <td></td> <td></td>	Engine data			
Coling system:with liquid, sealed circuitTrack front/rear (mm):1417/1408Cylinders, number:4Luggage capacity (I) ECI:579-1060Bore (mm):72.5Cargo-area eleght (mm):1275Stroke (mm):72.6Cargo-area eleght (mm):1277Oppression ratio:10.1:1Rim width (inch)(mm)/tire size:5.5Jx14/175/65 R 14 TEngine, type:in line; 5 main bearingsTurming clearance circle/turning circle (m):0.459.9Compression ratio:2 overhead (DOHC), driven by chainSteer. wheel turns lock/tock:2.9Carlos-area width (inch)(mm)/tire size:5.5Jx14/175/65 R 14 T10.11Engine, type:in line; 5 main bearingsSteer. wheel turns lock/tock:2.9Carlos-area width (inch)(mm)/tire size:5.5Jx14/175/65 R 14 T10.11Using the lock/head, material:cast iron/aluminumSteer wheel turns lock/tock:2.9Valve train:7 oper rot with lydraulic bucket tappetsSteering, ratio:electrical power steering, 16Valve adjustment:automatic - hydraulicSteering wheel outside diameter (mm):380Valve adjustment:electric, intah1.55Ignition system:electric, intah1.55Emission control system:3-way cat. conv. with 2 oxygen sensors745705Curdue (Nm/Nitre):39.710 at 400010 at 4000Specific power (WW), hp/):45.9 6.617013Max. torque (Nm/Nitre):13.6170Average piston speed (ms/s):13.672M	Engine, location:	front, transverse in front of axle, 7° 50' forward inclined		
Cylinders number:4Luggage capacity (I) ECIE:579-1060Bore (mm):72.5Cargo-area legith (mm):1275Displacement (cc):1199Cargo-area width (mm):1277Displacement (cc):10.1:1Cargo-area width (mm):857Compression ratio:10.1:1Cargo-area keight (mm):555,tt4/175/65 R 14 TEngine, type:in line; 5 main bearingsFinite is main bearings10.45/9.9Cylinder blockhead, material:coast ioro/luminumSteer, wheel turns lock/lock:2.9Cargo-area keight (mm):380Steer ing, ratio:982Valve, arrangement:v. 4 per cylinderSteering, ratio:380Valve adjustment:automatic - hydraulicSteering, ratio:380Valve adjustment:electric, in tankSteering, ratio:380Fuel system:electric, intankSteering wheel outside diameter (mm):380Valve (Nm at 1/min):sequential multi point fuel injection (SF), Motronic M 1.5.5Max. actoouc with 2 oxygen sensorsMax. actobult (kg/kW) (kg/hp)(empty):18.9; 13.9Max. torque (Nm At 1/min):110 at 4000Steering ratio:170Acceleration -010 km/h (sec)':170Specific power (kW/h, Ip/):45.9; 62.6Top speed (km/h) in 5th gear (sec)':17.5Max. torque (Nm/hiter):92.10/1153.4Acceleration -010 km/h (sec)':13.6Max. torque (kPa):92.10/1153.4Top speed (kBA):72.6Max. torque (kPa):13.6Top speed (kBA):72.6Max. torque (kPa): <td></td> <td></td> <td></td> <td></td>				
Bore (mm):72.5Case (mm):1275Stroke (mm):72.6Cargo-area leight (mm):1277Displacement (cc):1199Cargo-area width (mm):1277Compression ratio:10.1:1Stroke (mm):857Engine, type:in line; 5 main bearingsSteering, ratio:5.5.Jxt 4/175/65 R 14 TCylinder block/head, material:cast iron/aluminumSteering, ratio:10.45/9.9Cargo-area height (mm):10.45/9.910.45/9.9Cargo-area height (mm):10.45/9.910.45/9.9Cylinder block/head, material:cast iron/aluminumSteering, ratio:electrical power steering, 16Valve train:roller rocker with hydraulic bucket tappetsSteering wheel outside diameter (mm):380Valve adjustment:automatic - hydraulicSteering wheel outside diameter (mm):380Valve adjustment:electr: ignition map, ignition coil frect to spark plugPower to weight ratio (kg/kW); kg/hp(empty):18.9; 13.9Fuel system:sequential multi point fuel injection (SFI), Motronic M 1.5.5Max. acle load front/rear (kg):745/705Ignition system:electr: ignition map, ignition coil frect to spark plugFuel tank capacity (I), location:44, under rear seatsEmission control system:3-way cat. conv. with 2 oxygen sensorsTop speed (km/h):170Output (kW/hp CEE at 1/min):110 at 4000Top speed (km/h):170Max. torque (Nmilter):91.7Acc. 80-120 km/h in Sth gear (sec)':13.6Max. torque (k/k]:982.10/1153.4Top speed (
Stroke (mm):72.6Cargo-area width (mm):1277Displacement (cc):1199Cargo-area width (mm):1277Displacement (cc):10.11Cargo-area width (mm):857Compression ratio:10.1:1Cargo-area width (mm):857Engine, type:in line; 5 main bearings5.1xt 41/15/65 R 14 TCylinder block/head, material:cast iron/aluminum5.1xt 41/15/65 R 14 TCargo-area width (mm):2.92.9Carshaft(s), location:2 overhead (DOHC), driven by chainsteer, wheel turns lock/lock:2.9Valve train:roller rocker with hydraulic bucket tappetssteer, wheel turns lock/lock:2.9Valve adjustment:automatic - hydraulicsteering, ratio:electrical power steering, 16Yalve adjustment:automatic - hydraulicsteering, ratio:electrical power steering, 16Fuel system:sequential multi point fuel injection (SFI), Motronic M 1.5.5Max. axle load fornt/rear (kg):104/1390/350Fuel system:sequential multi point fuel injection (SFI), Motronic M 1.5.5Max. axle load fornt/rear (kg):745/705Fuel pump:electric, in tank3-way cat. conv. with 2 oxygen sensorsMax. axle load braked/unbraked (kg):1000/450Specific power (kW/l; hp/l):45.9; 62.6Top speed (km/h):17.6Max. torque (Nm at 1/min):110 at 4000Acceleration 0-100 km/h (sec)*:13Mean effective pressure at17.617.6max. power/max. torque (kPa):982.10/1153.472Paseby noise (dBA):72				
Displacement (cc):1199Cargo-area height (mm):857Compression ratio:10.1:1Cargo-area height (mm):857Engine, type:in line; 5 main bearingsStering, ratio:10.4:9/9.9Cylinder block/head, material:cast iron/aluminumSteer: wheel turns lock/lock:2.9Camshaft(s), location:2 overhead (DOHC), driven by chainSteer: wheel turns lock/lock:2.9Valve rain:roller rocker with hydraulic bucket tappetsSteering, ratio:electrical power steering, 16Valve arrangement:v. 4 per cylinderSteering, ratio:steering wheel outside diameter (mm):380Valve arguitis nystem:electr. ignition map, ignition coll direct to spark plugPower to weight ratio (kg/kW/: kg/hp)(empty):18.9; 13.9Fuel system:electr. ignition coll direct to spark plugFuel turns coll kinget for train (kg):745/705Fuel system:sequential multi point fuel injection (SFI), Motronic M 1.5.5Max. axle load fort/rear (kg):745/705Ignition system:3-way cat. conv. with 2 oxygen sensorsTraile load braked/unbraked (kg):00/0450Output (kW/hp CEE at 1/min):55/7 at 5600Traile load braked/unbraked (kg):170Max. torque (Nm at 1/min):91.7Acceleration 0-100 km/h (sec)*:13Mean effective pressure at91.7Acceleration 0-100 km/h (sec)*:13max. power/max. torque (kPa):92.0/1153.472Fuel:in the dot optic/it72Fuel:in the dot optic/it72Fuel:in the dot optic/it				
Compression ratio:10.1:1Rim width (inch)(mm)/tire size:5.5Jx14/175/65 R 14 TEngine, type:in line; 5 main bearingsTurning clearance circle/turning circle (m):10.45/9.9Cylinder block/head, material:cast ion/aluminum2 overhead (DOHC), driven by chain2.9Camshaft(s), location:2 overhead (DOHC), driven by chain2.9Valve, arrangement:roller rocker with hydraulic bucket tappetsSteer. wheel turns lock/lock:2.9Valve, arrangement:v; 4 per cylinder380Valve adjustment:automatic - hydraulicSteer. wheel turns lock/lock(kg): 1040/1390/350Fuel system:sequential multi point fuel injection (SFI), Motronic M 1.5.5Fuel system:electric, in tankEmission control system:3-way cat. conv. with 2 oxygen sensorsOutput (KW/hp CEE at 1/min):55/7 81 5600Specific power (kW/h, hp/l):45.9; 62.6Max. torque (Nm at 1/min):110 at 4000Specific torque (Nm/hiter):13.6Mean effective pressure at72max. power/max. torque (kPa):982.10/1153.4Average effors):13.6				
Engline, type:in line; 5 main bearingsTurning clearance circle/turning circle (m):10.45/9.9Cylinder block/head, material:cast iron/aluminum2.9Camshaft(s), location:2 overhead (DOHC), driven by chainSteer: wheel turns lock/lock:2.9Camshaft(s), location:coverhead (DOHC), driven by chainSteer: wheel turns lock/lock:2.9Valve train:roller rocker with hydraulic bucket tappetssteering, ratio:electrical power steering, 16Valve adjustment:automatic - hydraulicSteering wheel outside diameter (mm):380Valve adjustment:sequential multi point fuel injection (SFI), Motronic M 1.5.5New oweight ratio (kg/kW; kg/hp)(empty):18.9; 13.9Ignition system:electr. ignition map, ignition coil direct to spark plugFuel system:1000/450Fuel pump:electr. in intak3-way cat. conv. with 2 oxygen sensorsTurning clearance circle/turning circle (m):100/450Output (kW/hp CEE at 1/min):55/75 at 5600Fuel sunk capacity (l), location:44, under rear seatsSpecific torque (Nm/liter):91.7100170Max. torque (Nm/liter):91.7100 km/h (sec)*:13.6Max. torque (kPa):982.10/1153.472Average piston speed (m/s):13.6Eule:unleaded premiumFuel:unleaded premiumFuel:unleaded premium				
Cylinder block/head, material:cast iron/aluminum2 overhead (DOHC), driven by chain2 overhead (DOHC), driven by chain2 overhead (DOHC), driven by chain2 overhead (DOHC), driven by chainCamshaft(s), location:2 overhead (DOHC), driven by chainSteer, wheel turns lock/lock:2.9Valve arin:roller rocker with hydraulic bucket tappetsSteer, wheel turns lock/lock:2.9Valve adjustment:automatic - hydraulicSteer, wheel turns lock/lock:380Yalve adjustment:automatic - hydraulicSteer, wheel turns lock/lock:380Fuel system:electr. ignition map, ignition coil direct to spark plugPower to weight ratio (kg/kY; kg/hp)(empty):18.9; 13.9Fuel pump:electr. ignition map, ignition coil direct to spark plugMax. axle load braked/unbraked (kg):1000/450Fuel pump:electr. ignition ocil direct to spark plugFuel tank capacity (l), location:44, under rear seatsCutput (kW/hp CEE at 1/min):55/75 at 5600Fuel tank capacity (l), location:44, under rear seatsSpecific power (kW/l; hp/):45.9; 62.6Top speed (km/h):170Max. torque (Nm At 1/min):110 at 4000Acceleration 0-100 km/h (sec)*:13.6Mean effective pressure atmax. power/max. torque (kPa):982.10/1153.4Acceleration 0-100 km/h in 5ft gear (sec)*:17.5Fuel:unleaded premiumFuel:unleaded premiumFuel:unleaded premium				
Camshaft(s), location:2 overhead (DOHC), driven by chainIse of the control system:Ise of the control system:Valve arrangement:v; 4 per cylindersequential multi point fuel injection (SFI), Motronic M 1.5.5Steering, ratio:sequential multi point fuel injection (SFI), Motronic M 1.5.5Ignition system:electric, in tanksequential multi point fuel injection (SFI), Motronic M 1.5.5Max. axle load front/rear (kg):745/705Ignition system:electric, in tanksequential multi point fuel injection (SFI), Motronic M 1.5.5Max. axle load front/rear (kg):1000/450Fuel pump:electric, in tankstepsing indice at 1/min):55/75 at 5600Fuel pump:44, under rear seatsSpecific power (kW/l; hp/l):45.9; 62.6Top speed (km/h):170Max. orque (Nm at 1/min):91.7110 at 4000130.4170Specific torque (Nm/liter):91.7382.10/1153.4Average piston speed (m/s):72Average piston speed (m/s):13.6Fuel;unleaded premiumAverage piston speed (m/s):13.6Fuel;unleaded premium				
Valve train:roller rocker with hydraulic bucket tappetsSource of the procession of the procesion of the procession of the procession of the				
Valve, arrangement:v; 4 per cylinderv: 4 per cylinderValve, arrangement:automatic - hydraulicValve adjustment:automatic - hydraulicFuel system:sequential multi point fuel injection (SFI), Motronic M 1.5.5Fuel system:electric, in tankFuel pump:electric, in tankEmission control system:3-way cat. conv. with 2 oxygen sensorsOutput (kW/hp CEE at 1/min):55/75 at 5600Specific power (kW/l; hp/l):45.9; 62.6Max. torque (Nm at 1/min):110 at 4000Specific torque (Nm/liter):91.7Mae neffective pressure at170max. power/max. torque (kPa):982.10/1153.4Average piston speed (m/s):13.6				
Valve adjustment:automatic - hydraulicFuel system:sequential multi point fuel injection (SFI), Motronic M 1.5.5Ignition system:electr. ignition map, ignition coil direct to spark plugFuel pump:electric, in tankEmission control system:3-way cat. conv. with 2 oxygen sensorsOutput (kW/hp CEE at 1/min):55/75 at 5600Specific power (kW/l; hp/l):45.9; 62.6Max. torque (Nm at 1/min):110 at 4000Specific torque (Nm/liter):91.7Mean effective pressure at170max. power/max. torque (kPa):982.10/1153.4Average piston speed (m/s):13.6				
Fuel system:sequential multi point fuel injection (SFI), Motronic M 1.5.5Max. axle load front/rear (kg):745/705Ignition system:electric, injition map, ignition coil direct to spark plug1000/450Fuel pump:electric, in tank1000/450Emission control system:3-way cat. conv. with 2 oxygen sensors44, under rear seatsOutput (kW/hp CEE at 1/min):55/75 at 560045.9; 62.6Specific power (kW/l; hp/l):45.9; 62.61000Max. torque (Nm at 1/min):110 at 4000Top speed (km/h):Specific torque (Nm/liter):91.7170Mean effective pressure at max, power/max. torque (kPa):982.10/1153.4Average piston speed (m/s):13.672Fuel:unleaded premium				
Ignition system:electr. ignition map, ignition coil direct to spark plugTrailer load braked/unbraked (kg):1000/450Fuel pump:electric, in tank44, under rear seatsEmission control system:3-way cat. conv. with 2 oxygen sensors44, under rear seatsOutput (kW/hp CEE at 1/min):55/75 at 560045.9; 62.6Specific power (kW/l; hp/l):45.9; 62.6Top speed (km/h):Max. torque (Nm at 1/min):110 at 4000Top speed (km/h):Specific torque (Nm/liter):91.7Mean effective pressure at36.max. power/max. torque (kPa):982.10/1153.4Average piston speed (m/s):13.6			Power to weight ratio (kg/kW; kg/hp)(empty):	
Fuel pump: electric, in tank Fuel pump: 44, under rear seats Emission control system: 3-way cat. conv. with 2 oxygen sensors 44, under rear seats Output (kW/hp CEE at 1/min): 55/75 at 5600 Performance Specific power (kW/l; hp/l): 45.9; 62.6 Top speed (km/h): 170 Max. torque (Nm at 1/min): 110 at 4000 Top speed (km/h): 170 Specific torque (Nm/liter): 91.7 Acceleration 0-100 km/h (sec)*: 13 Mean effective pressure at Acceleration 0-100 km/h (sec)*: 17.5 max. power/max. torque (kPa): 92.10/1153.4 Pass-by noise (dBA): 72 Average piston speed (m/s): 13.6 Fuel: tir (tip (too b) b)	Fuel system:	sequential multi point fuel injection (SFI), Motronic M 1.5.5	Max. axle load front/rear (kg):	745/705
Fuel pump: electric, in tank Fuel pump: 44, under rear seats Emission control system: 3-way cat. conv. with 2 oxygen sensors 9 Output (kW/hp CEE at 1/min): 55/75 at 5600 9 Specific power (kW/l; hp/l): 45.9; 62.6 10 at 4000 Max. torque (Nm at 1/min): 110 at 4000 Top speed (km/h): 170 Specific torque (Nm/liter): 91.7 Acceleration 0-100 km/h (sec)*: 13 Mean effective pressure at Mex. torque (kPa): 92.10/1153.4 Pass-by noise (dBA): 72 Average piston speed (m/s): 13.6 Fuel: tir (tip (tool b) b) tir (tip (tool b) b)	Ignition system:	electr. ignition map, ignition coil direct to spark plug	Trailer load braked/unbraked (kg):	1000/450
Emission control system: 3-way cat. conv. with 2 oxygen sensors Output (kW/hp CEE at 1/min): 55/75 at 5600 Specific power (kW/l; hp/l): 45.9; 62.6 Max. torque (Nm at 1/min): 110 at 4000 Specific torque (Nm/liter): 91.7 Mean effective pressure at 72 max. power/max. torque (kPa): 982.10/1153.4 Average piston speed (m/s): 13.6	Fuel pump:	electric, in tank		44, under rear seats
Specific power (kW/l; hp/l): 45.9; 62.6 Max. torque (Nm at 1/min): 110 at 4000 Specific torque (Nm/liter): 91.7 Mean effective pressure at max. power/max. torque (kPa): 982.10/1153.4 Average piston speed (m/s): 13.6	Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Specific power (kW/l; hp/l): 45.9; 62.6 Max. torque (Nm at 1/min): 110 at 4000 Specific torque (Nm/liter): 91.7 Mean effective pressure at max. power/max. torque (kPa): 982.10/1153.4 Average piston speed (m/s): 13.6	Output (kW/hp CEE at 1/min):	55/75 at 5600	Berfermenee	
Max. torque (Nm at 1/min): 110 at 4000 Top speed (km/h): 170 Specific torque (Nm/liter): 91.7 Acceleration 0-100 km/h (sec)*: 13 Mean effective pressure at max. power/max. torque (kPa): 982.10/1153.4 Acceleration 0-100 km/h in sted gear (sec)*: 17.5 Average piston speed (m/s): 13.6 Fuel: ruleaded premium		45.9: 62.6		
Specific torque (Nm/liter): 91.7 Acceleration 0-100 km/h (sec)*: 13 Mean effective pressure at max. power/max. torque (kPa): 982.10/1153.4 Acc. 80-120 km/h in 5th gear (sec)*: 17.5 Average piston speed (m/s): 13.6 Pass-by noise (dBA): 72 Fuel: unleaded premium Fuel: Unleaded premium	Max. torque (Nm at 1/min):	110 at 4000		
Mean effective pressure at max. power/max. torque (kPa): 982.10/1153.4 Acc. 80-120 km/h in 5th gear (sec) ¹ : 17.5 Average piston speed (m/s): 13.6 Fuel: ruleaded premium			Acceleration 0-100 km/h (sec)*:	13
max. power/max. torque (kPa): 982.10/1153.4 Pass-by noise (dBA): 72 Average piston speed (m/s): 13.6 Fuel: unleaded premium			Acc. 80-120 km/h in 5th gear (sec)*:	17.5
Average piston speed (m/s): 13.6 Fuel: unleaded premium		982 10/1153 4	Pass-by noise (dBA):	72
			Fuel:	unleaded premium
			Fuel consumption (liter/100 km):	
				consumption and CO ₂ values
				urban: 84
Alternator 14.2 V, capacity (W): 994 urban: 8.4 extra-urban: 5.3	Alternator 14.2 V, capacity (VV):	994		
total: 64				
	Transmission		$CO_{aminopion} (\alpha / km);$	
Drive axle: front wheel drive CO2 emission (g/km): 154 Emission class: Euro 4	Drive ayle:	front wheel drive		
Transmission, type: manual Emission Class. Euro 4			ETHISSION Class.	Eulo 4
Constructions 1 det ratios 0.70 and ratios 0.14 and ratios 1.14				
4th ratio: 1.12 5th ratio: 0.89	Geal Tallos.		Maintenance	
			Service intervals:	inspection: every 30 000 km or once a year
Clutch, type: dry single plate	Clutch, type:	dry single plate		
* Basic model			* Basic model	
Body * Ketb weight (70156 EEC) and 125 kg payload	Body			
Seats: 2	Seats:	2	Kelb weight (70130 EEC) and 123 kg payload	
Drag coefficient (c_): 0.32*				
Frontal area (A in m^2): 2.01				
Index (c "xA): 0.65*		0.05		
Chassis	Chassis			
Wheel suspension front: independent, McPherson struts,	Wheel suspension front:	independent McPherson struts		
wishbone on closed subframe, gas pre-loaded struts				
Wheel suspension rear: compound link suspension, torsion tube design with,	Wheel suspension rear:			
gas-filled shock absorbers		design with, adoption, to som tube design with,		
Anti roll bar: front + rear	Anti roll bar:			
		IIUIII + IEdi		
Brakes	Brakes			
Brake circuits: 2, diagonal	Brake circuits:	2. diagonal		
Brakes front, diameter (mm): solid disc, 240				
Brakes rear, diameter (mm): drum				
ABS: option				
		op		

Corsa Van 1.2 16V Z12XE 55kW/75hp Easytronic delivery van 2 doors

Model year: Date:	2001 ½ 27.02.01	Weights and dimensions	2047
		Length (mm):	3817
Engine data		Width (mm):	1646
•		Height (mm):	1440
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2491
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1429/1420
Cylinders, number:	4	Luggage capacity (I) ECIE:	579-1060
Bore (mm):	72.5	Cargo-area lenght (mm):	1275
Stroke (mm):	72.6	Cargo-area width (mm):	1277
Displacement (cc):	1199	Cargo-area height (mm):	857
Compression ratio:	10.1:1	Rim width (inch)(mm)/tire size:	5JX13/155/80 R 13 T
Engine, type:	in line; 5 main bearings	Turning clearance circle/turning circle (m):	10.45/9.9
Cylinder block/head, material:	cast iron/aluminum	Steer. wheel turns lock/lock:	2.9
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Steering, ratio:	electrical power steering, 16
Valve train:	roller rocker with hydraulic bucket tappets	Steering wheel outside diameter (mm):	380
Valve, arrangement:	v; 4 per cylinder	Kerb weight/max. allowable weight/additional load (kg)	
Valve adjustment:	automatic - hydraulic		
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 1.5.5	Power to weight ratio (kg/kW; kg/hp)(empty):	18.9; 13.9
	electr. ignition map, ignition coil direct to spark plug	Max. axle load front/rear (kg):	745/705
Ignition system:		Trailer load braked/unbraked (kg):	1000/450
Fuel pump:	electric, in tank	Fuel tank capacity (I), location:	44, under rear seats
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	55/75 at 5600	Performance	
Specific power (kW/l; hp/l):	45.9; 62.6		170
Max. torque (Nm at 1/min):	110 at 4000	Top speed (km/h):	
Specific torque (Nm/liter):	91.7	Acceleration 0-100 km/h (sec)*:	13
Mean effective pressure at		Acc. 80-120 km/h in 5th gear (sec)*:	18.5
max. power/max. torque (kPa):	982.10/1153.4	Pass-by noise (dBA):	71
Average piston speed (m/s):	13.6	Fuel:	unleaded premium
Engine oil, capacity (I):	3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Cooling capacity (I):	5.0		Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	36		consumption and CO ₂ values.
Alternator 14.2 V, capacity (W):	994		urban: 8.2
Alternator 14.2 V, capacity (VV).	334		extra-urban: 5.2
- · ·			total: 6.3
Transmission		CO ₂ emission (g/km):	151
Drive axle:	front wheel drive	Emission class:	Euro 4
Transmission, type:	Easytronic, automated manual transmission	Emission class.	Luio 4
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	• • • •	
Oedi Tallos.	4th ratio: 1.12 5th ratio: 0.89	Maintenance	
		Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate		
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	2	Kelb weight (70156 EEC) and 125 kg payload	
	0.32+		
Drag coefficient ($c_{\rm p}$):			
Frontal area (A in m ²):	2.01		
Index (c "xA):	0.65*		
Chassis			
	independent McDharoon struts		
Wheel suspension front:	independent, McPherson struts,		
	wishbone on closed subframe, gas pre-loaded struts		
Wheel suspension rear:	compound link suspension, torsion tube design with,		
	gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
	0 diagonal		
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	solid disc, 240		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Corsa Van 1.7 DI 16V Y17DTL 48kW/65hp 5-speed delivery van 2 doors

	· · ·		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	3817
		Width (mm):	1646
Engine data			1440
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	
Cooling system:	with liquid, sealed circuit	Wheelbase (mm):	2491
Cylinders, number:	4	Track front/rear (mm):	1417/1408
		Luggage capacity (I) ECIE:	579-1060
Bore (mm):	79	Cargo-area lenght (mm):	1275
Stroke (mm):	86	Cargo-area width (mm):	1277
Displacement (cc):	1686	Cargo-area height (mm):	857
Compression ratio:	18.4:1	Rim width (inch)(mm)/tire size:	5.5Jx14/175/65 R 14 T
Engine, type:	in line; 5 main bearings	Turning clearance circle/turning circle (m):	10.45/9.9
Cylinder block/head, material:	cast iron/aluminum	Steer. wheel turns lock/lock:	2.9
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Steering, ratio:	electrical power steering, 16
Valve train:	bucket tappets with compensating discs	Steering wheel outside diameter (mm):	380
Valve, arrangement:	v; 4 per cylinder	Kerb weight/max. allowable weight/additional load (kg): 1125/1480/355
Valve adjustment:	manual	Power to weight ratio (kg/kW; kg/hp)(empty):	[°] 23.4; 17.3
Fuel system:	diesel direct injection, VP 29/ PSG 5	Max. axle load front/rear (kg):	820/705
Fuel pump:	vane pump, mechanical	Trailer load braked/unbraked (kg):	1000/450
Emission control system:	2-way cat. conv. (oxidizing catalytic	Fuel tank capacity (I), location:	44, under rear seats
	converter), exhaust gas recirculation	r der tank obpacity (i), iocation.	
Output (kW/hp CEE at 1/min):	48/65 at 4400	Destaura	
Specific power (kW/l; hp/l):	28.5; 38.6	Performance	
Max. torque (Nm at 1/min):	130 at 2000	Top speed (km/h):	162
	77.1	Acceleration 0-100 km/h (sec)*:	14.5
Specific torque (Nm/liter):	11.1	Acc. 80-120 km/h in 5th gear (sec)*:	20.5
Mean effective pressure at	770 4/000 4	Pass-by noise (dBA):	73
max. power/max. torque (kPa):	776.4/969.4	Fuel:	diesel
Average piston speed (m/s):	12.6	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	4.5		
Cooling capacity (I):	7.1		Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	60		consumption and CO ₂ values.
Alternator 14.2 V, capacity (W):	994		urban: 5.8
			extra-urban: 4.1
Transmission			total: 4.7
		CO ₂ emission (g/km):	127
Drive axle:	front wheel drive	Emission class:	Euro 3
Transmission, type:	manual		
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31	Maintenance	
	4th ratio: 0.95 5th ratio: 0.76		· · · · · · · · · · · · · · · · · · ·
	reverse ratio: 3.31 final drive ratio: 3.55	Service intervals:	inspection: every 30,000 km or once a year
Clutch, type:	dry single plate		
Body		* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	2		
Drag coefficient (c_{p}):	0.32*		
Frontal area (A in m ²):	2.01		
Index (c "xA):	0.65*		
Chassis			
Wheel suspension front:	independent, McPherson struts,		
	wishbone on closed subframe, gas pre-loaded struts		
Wheel suspension rear:	compound link suspension, torsion tube design with,		
	gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 240		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Corsa Van 1.7 DTI 16V Y17DT 55kW/75hp 5-speed delivery van 2 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
— · · ·		Brakes front, diameter (mm):	ventilated disc, 260
Engine data		Brakes rear, diameter (mm):	drum
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	ABS:	option
Cooling system:	with liquid. sealed circuit	71B0.	option
Cylinders, number:	4		
Bore (mm):	79	Weights and dimensions	
Stroke (mm):	86	Length (mm):	3817
Displacement (cc):	1686	Width (mm):	1646
Compression ratio:	18.4:1	Height (mm):	1440
		Wheelbase (mm):	2491
Engine, type:	in line; 5 main bearings	Track front/rear (mm):	1417/1408
Cylinder block/head, material:	cast iron/aluminum	Luggage capacity (I) ECIE:	579-1060
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Cargo-area lenght (mm):	1275
Valve train:	bucket tappets with compensating discs		1275
Valve, arrangement:	v; 4 per cylinder	Cargo-area width (mm):	
Valve adjustment:	manual	Cargo-area height (mm):	857
Fuel system:	diesel direct injection. ECD V5	Rim width (inch)(mm)/tire size:	5.5Jx14/175/65 R 14 T
Fuel pump:	vane pump, mechanical	Turning clearance circle/turning circle (m):	10.45/9.9
Emission control system:	2-way cat. conv. (oxidizing catalytic	Steer. wheel turns lock/lock:	2.9
···· , ···	converter), exhaust gas recirculation	Steering, ratio:	electrical power steering, 16
Charger system:	turbocharger	Steering wheel outside diameter (mm):	380
Output (kW/hp CEE at 1/min):	55/75 at 4400	Kerb weight/max. allowable weight/additional load (kg): 1135/1540/405
Specific power (kW/l; hp/l):	32.6: 44.5	Power to weight ratio (kg/kW; kg/hp)(empty):	20.6; 15.1
Max. torque (Nm at 1/min):	165 at 1800	Max. axle load front/rear (kg):	860/760
		Trailer load braked/unbraked (kg):	1000/450
Specific torque (Nm/liter):	97.9	Fuel tank capacity (I), location:	44, under rear seats
Mean effective pressure at		i dei tank capacity (i), iocation.	
max. power/max. torque (kPa):	889.7/1230.4		
Average piston speed (m/s):	12.6	Performance	
Engine oil, capacity (I):	4.5	Top speed (km/h):	170
Cooling capacity (I):	7.1	Acceleration 0-100 km/h (sec)*:	13.5
Battery 12 V, capacity (Ah):	70	Acc. 80-120 km/h in 5th gear (sec)*:	15
Alternator 14.2 V, capacity (W):	994	Pass-by noise (dBA):	74
,		Fuel:	diesel
Transmission			
		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU
Drive axle:	front wheel drive		Additional equipment can lead to increased
Transmission, type:	manual		consumption and CO ₂ values.
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31		urban: 5.8
	4th ratio: 0.95 5th ratio: 0.76		extra-urban: 4.1
	reverse ratio: 3.31 final drive ratio: 3.55		total: 4.7
Clutch, type:	dry single plate	CO ₂ emission (g/km):	127
olaton, typo.	aly single plate	Emission class:	Euro 3
Podu /			
Body		Maintenance	
Seats:	2		
Drag coefficient (c _p):	0.32*	Service intervals:	inspection: every 30,000 km or once a year
Frontal area (A in m ²):	2.01		
Index (c "xA):	0.65*		
		* Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
Wheel suspension front:	independent, McPherson struts,		
	wishbone on closed subframe, gas pre-loaded struts		
Wheel suspension rear:	compound link suspension, torsion tube design with,		
•	gas-filled shock absorbers		
Anti roll bar:	front + rear		
		1	

Astra 1.2 16V Z12 XE 55kW/75hp 5-speed hatchback 3 doors

Madalyzari	2001 1/		
Model year: Date:	2001 ½ 27.02.01	Weights and dimensions	
Balo.	21.02.01	Length (mm):	4110
Engine data		Width (mm):	1709
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	1425
Cooling system:	with liquid, sealed circuit	Wheelbase (mm):	2606
Cylinders, number:	4	Track front/rear (mm):	1484/1460
Bore (mm):	72.5	Luggage capacity (I) ECIE:	370-1180
Stroke (mm):	72.6	Opening luggage compartment to ground (mm):	810
Displacement (cc):	1199	Rim width (inch)(mm)/tire size: Turning clearance circle/turning circle (m):	5.5Jx14/175/70 R 14 T 10.8/10.15
Compression ratio:	10.1:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Kerb weight/max. allowable weight/additional load (k	
Valve train:	roller drag lever, hydraulic tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	20.5; 15.0
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	815/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	660/550
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 1.5.5	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	55/75 at 5600	Top speed (km/h):	170
Specific power (kW/l; hp/l):	45.9; 62.6	Acceleration 0-100 km/h (sec)*:	15
Max. torque (Nm at 1/min):	110 at 4000	Acc. 80-120 km/h in 5th gear (sec)*:	22
Specific torque (Nm/liter):	91.7	Pass-by noise (dBA):	72
Mean effective pressure at	000 40/4450 4	Fuel:	unleaded premium
max. power/max. torque (kPa):	982.10/1153.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s): Engine oil, capacity (l):	13.6 3.5		Additional equipment can lead to increased
Cooling capacity (I):	5.2		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	44		urban: 8.0
Alternator 14.2 V, capacity (W):	994		extra-urban: 5.2
,			total: 6.2
Transmission		CO ₂ emission (g/km):	149
	for a first set of the set	Emission class:	Euro 4
Drive axle:	front wheel drive manual		
Transmission, type: Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Maintenance	
Geal Tallos.	4th ratio: 1.12 5th ratio: 0.89	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.94		
Clutch, type:	dry single plate		
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
	_		
Seats:	5		
Drag coefficient (c_{D}):	0.28*		
Frontal area (A in m ²):	2.06 0.59⁺		
Index (c "xA):	0.03		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
Anti roll bar:	twin tube gas pressure shock absorbers front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra 1.2 16V Z12 XE 55kW/75hp 5-speed notchback 4 doors

Engine data View investigation of a lot, 7° 20° forward included 1700 Engine location Interviewe location of a lot, 7° 20° forward included 1700 Engine location A location of a lot, 7° 20° forward included 1700 Engine location 72.6 1700 Box form in 72.6 1700 Box form in 1700 1700 Engine location 1700 1700 Composed relation 1700 1700 1700 Value training 1700 170	Model year: Date:	2001 ½ 27.02.01	Weights and dimensions	4252
Engline location teges location teges location teges location teges location teges location teges location 				
Engine, booking: tradit tradit status dire in the of a day, 7: 50 toward inclined Weights age (mm): 200 Convert present 426, 440, 430, 430, 440, 410, 420, 440, 410, 420, 410, 410, 410, 410, 410, 410, 410, 41	Engine data			
Cooling system: A 14941400 Upging a pack (III) A 14941400 Wind (IV) 7.5 Birlaw (IV) 10.1 Comparison (III) 10.1 Comparison (III) 10.1 Comparison (III) 10.1 Comparison (III) Comparison (IIII) Comparison (IIII) Comparison (IIII) Comparison (IIII) Comparison (IIIII) Comparison (IIIII) Comparison (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Engine, location:	front, transverse in front of axle, 7° 50' forward inclined		
Biole (mm): 72.5 Brind (mm): 72.5 Brind (mm): 72.5 Brind (mm): 72.5 Brind (mm): 10.11 Comparison rule: 10.11 Comparison rule: 10.11 Comparison rule: 10.11 Comparison rule: Cast involutionin Control of the Comparison rule: Cast involutionin Source (main rule) Cast involutionin Comparison rule: Cast involution rule: Compare rule:	Cooling system:	with liquid, sealed circuit		
Stocker (min): 72.6 Deplacement (c): 10.11 Comprisol 20.00000000000000000000000000000000000			Luggage capacity (I) ECIE:	460-1230
Deployment (cc): 1190 3.1 1.1 Compression into: 11.1			Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Compares from the C: 10.11 interfacts from the form is the heating is the case is not dearning in the form by the interface of the form by the interface of the form by the interface of the form by the form by the interface of the form by the interface of the form by the interface of the form by the form by the interface of the form by the interface of the form by the form by the interface of the form by t				10.8/10.15
Engline, type: in line, 5 main bearings optimized bookhad, materials case intronalizations 380 Cyndred bookhad, materials case intronalizations 2 overhead (DOVIC), shiven by chain				
Cylinder blockhed, meteril:cast introlutinumcast introlutinumCynebid (DA):20 orthold (DA):114/6716014/45Valve attait:nole dia floori, hydraulic tappets20 orthold (DA):Valve attait:10 orthold (DA):10 orthold (DA):Valve attait:20 orthold (DA):20 orthold (DA):Puet system:20 orthold (DA):20 orthold (DA):Specific power (WA):20 orthold (DA):20 orthold (DA):Puet system:20 orthold (DA):20 orthold (DA):Specific power (WA):20 orthold (DA):20 orthold (DA):Specific power (WA):20 orthold (DA):70Specific power (WA):20 orthold (DA):70Specific power (WA):20 orthold (DA):70Specific power (WA):20 orthold (DA):70Specific power (WA):20 orthold (DA):70Man: Delevine power (WA):20 orthold (DA):70Specific power (WA):20 orthold (DA):70Man: Delevine power (WA				
Camba fields, location: 2 overhead (DOHC), diven by dain value tarin: 20.8 in 5.3 m. Value tarin: via programme: 90.8 in 50.0 m. Value tarin: via programme: 90.8 in 50.0 m. Value tarin: via programme: 90.8 in 50.0 m. Value tarin: 90.0 m. 90.0 m. Specific constr. (Wink hong: 10.8 M. 80.0 m. Specific constr. (Wink hong: 10.8 M. 70.0 m. Specific constr. (Wink hong: 10.8 M. 80.0 m. Specific constr. (Wink hong: 10.8 M. 70.0 m. Marca decoding value wink in the specific constr. (Wink hong: 10.8 M. 70.0 m. Marca decoding value wink in the specific constr. (Wink hong: 10.8 M. 70.0 m. Specific constr. (Wink hong: 10.8 M. 70.0 m. 70.0 m. Marca decoding value wink in the specific constr. (Wink hong: 70.0 m. 70.0 m. 70.0 m				
Value strain Poller dag lever, hydraulic tapples Max, and lead forming freqi: Bit Stab Value, arrangement: automatic - hydraulic 44 er cylinder 56000 71100 Value, arrangement: automatic - hydraulic 11.5 71100 50000 Fuel Jump: etentic, in tank Traile hook weight/hool load (kg): 71100 52. under dar seats Fuel Jump: etentic, in tank Traile hook weight/hool load (kg): 7100 7100 Specific power (KN): holl: 53.758 45.600 7100 72 72 Specific power (KN): holl: 53.758 45.600 72 72 72 Specific power (KN): holl: 13.6 73 72 72 72 Specific power (KN): holl: 13.6 73 72 72 72 Specific power (KN): holl: 13.6 73 72 72 72 Specific power (KN): holl: 13.6 73 73 74 72 Specific power (KN): holl: 13.6 73 74 74 74 Specific				
Value againsment: v. 4 per cylindar Tailer Tood baked/unbraked kog): E005500 Fuel system: excuented mult print nei direction (SF), Morronic M 1.5.5 Fuel system: 620550 Fuel system: excuented mult print nei direction (SF), Morronic M 1.5.5 Fuel system: 620550 Fuel system: excuented mult print nei direction (SF), Morronic M 1.5.5 Fuel system: 620550 Fuel system: excuented mult print nei direction (SF), Morronic M 1.5.5 Fuel system: 620550 Specific prover (KWE), Phil: 45.9 (5.8.6 Fuel system: 731100 Specific prover (KWE), Phil: 45.9 (5.8.6 Fuel system: 72 Specific prover (KWE), Phil: 13.6 Fuel consumption (file/100 km): 72 Specific prover (KWE), Phil: 13.6 Fuel consumption (file/100 km): 72 Fuel consumption (file/100 km): 13.6 Fuel consumption (file/100 km): 72 Fuel consumption (file/100 km): 140 140000 Fuel consumption (file/100 km): 72 Fuel consumption (file/100 km): 13.6 Fuel consumption (file/100 km): 72 Fuel consumption (file/100 km): 72 <				
Value automatic automatic register automatic register register <td></td> <td></td> <td></td> <td></td>				
Fuel system: sequential multi point fuel injection (SFI), Motrone M 1.5.5 elect., ganton maging, pations objects opaint public elect., ganton maging, pations objects opaint, public electrone, pations opaint, public electrone, pations, pating, pations, pations, pating, pations, pat				
Ignition system: electr., initial. electr., initial. <thelectr., initial.<="" th=""> electr., initial.</thelectr.,>				
Emission control system: 3-way cat. conv. with 2 suygen sensors PERIONITIATE PERION Specific power (WW): holp: 557 at 550 under the status of	Ignition system:		r don tarrit oupdoity (i), rooditorit.	
Emission Louinit Splittini, Splitti	Fuel pump:	electric, in tank	Performance	
Specific prover (WW1, hp1), '' 45 952 a Acceleration 0-100 km/h (sec): ' 15 Max. torput (W1, hp1), '' 110 at 2000 Acceleration 0-100 km/h (sec): ' 22 Specific torput (Nmiler): 91.7 72 Inleaded premium Max. torput (W2, hp1): 91.7 72 Inleaded premium Maleaded premium Max. torput (W2, hp1): 91.7 72 Pass-by noise (dBA): 72 Wareap piston specific (M1, hp1): 91.7 72 Maleaded premium Maleaded premium Wareap piston specific (M1, hp1): 91.7 72 Maleaded premium Maleaded premium Wareap piston specific (M1, hp1): 91.7 72 Maleaded premium Maleaded premium Wareap piston specific (M1, hp1): 91.7 72 Maleaded premium Maleaded premium Wareap piston specific (M1, hp1): 91.7 72 Maleaded premium Maleaded premium Maintenance 5.2 Total with the specific (M2, hp1): 19 Total with the specific (M2, hp1): 19 Transmission, type: manual Total with the specific (M2, hp2): Service Intervalse: Inspecific (M2, hp2): 19 Cl	Emission control system:	3-way cat. conv. with 2 oxygen sensors		170
Mat. torque (Num at 1/min); 110 at 4000 Mat. torque (Num at 1/min); 110 at 4000 Specific forque (Num iter); 91.7 Mean effective pressure at 91.7 Max. power/mat. torque (IPA); 91.7 Max. power/mat. torque (IPA); 92.101153.4 Average piston speed (INS); 13.6 Cooling capacity (I); 5.2 Battery 12 V, capacity (N); 94 Atternator 14.2 V, capacity (N); 94 Atternator 14.2 V, capacity (N); 94 Cooling capacity (1); 6.2 Battery 12 V, capacity (N); 94 Cooling capacity (1); 6.2 Gene ratios: front wheel drive manual Transmission, type: front wheel drive ratio: 2.14 3rd ratio: 1.41 dear ratios: front in find inve ratio: 3.3.4 dear ratios: front in find inve ratio: 3.3.4 dear ratios: 5 Porte converse ratio: 3.3.1 final drive ratio: 3.3.4 dear ratios: 5 Porte converse ratio: 3.3.1 final drive ratio: 3.3.4 dear ratios: 5 Porte converse ratio: 3.3.1 final drive ratio: 3.3.4 dear ratios: 5 Porte converse ratio: 3.3.1 final drive ratio: 3.4 dear ratios: 5		55/75 at 5600		
Specific transe (Mmilter): 91.7 Waan effective pressure at max, power/max, torque (MPa): 92.101153.4 Wearage Joiston specific (MPa): 3.6 Cooling capacity (D: 3.5 Scoling capacity (D: 3.5 Coling capacity (M): 44 Atternator 14.2 V, capacity (Mh): 44 Atternator 14.2 V, capacity (Mh): 44 Transmission 99.4 Drive ade: front wheel drive manual Gear ratios: front addition 2.14 3rd ratio: 1.41 4th ratio: 1.21 5th ratio: 0.89 reverse ratio: 3.31 final drive ratio: 3.94 dry single plate Maintenance Body Service Intervals: inspection: every 30.000 km or once a year Pression (add (L, I): 2.2 Clutch, type: 5.2 Body Service Intervals: inspection: every 30.000 km or once a year Clutch, type: 5.2 Body Service Intervals: inspection: every 30.000 km or once a year * Bate richt (L, L): 5.2 Front Jarea (Ain m?): 2.06 Mather Service (Intervals: inspection: every 30.000 km or once a year * Mheel suspension front: independent, wishbone, on subframe, McPherson struts, win tube gas pressure shock absorbers Wheel suspension front: independent, wishbone, on subframe, McPherson struts, win tube gas pressure shock absorbers				
Mean affective transmit; 0.17 unleaded premium Mean affective transmit; 0.22 (01113.4 Average piston speed (rule): 0.35 Cooling capacity (0): 0.35 Cooling capacity (0): 0.35 Sattery 12V, capacity (W): 0.94 Atternator 14.2 V, capacity (W): 0.94 Cooling capacity (0): 0.94 Transmission front wheel drive manual manual Gear ratio: front wheel drive manual in reviews ratio: 0.33 ch ratio: 2.14 3rd ratio: 1.41 Hurain of the drive ratio: 3.31 final drive ratio: 3.34 front reviews ratio: 3.34 Clutch, type: 0 Back 0.28' Frontsision inspection: 3.33 final drive ratio: 3.34 Orag coefficient (c): 0.28' Drag coefficient (c): 0.28' Prote suspension front: independent, wishtone, on subframe, McPherson struts, twin those gas pressure shock absorbers Wheel suspension front: independent, wishtone, on subframe, McPherson struts, twin those gas pressure shock absorbers Wheel suspension rear: 0. diagonal Atternation: 1. diagonal Mainter (runn): diagonal Brakes term, finameter (runn): 2. diagonal Brakes term, finameter (runn):				
missi, invalue in strature in the product is trating in the product is trate is trating in the product is trating in		91.7		
Average pitton speed (m/s). 13.6 Additional equipment can lead to increased consumption and Co. y values. Engine oil, capacity (0): 5.2 5.2 Cooling capacity (0): 8.0 Endern 12, V. capacity (MY): 994 Cooling capacity (0): 8.0 Transmission from twheel drive 11.2 Cool (0): 14.9 Transmission, type: from twheel drive 11.4 4.1 6.2 Transmission, type: from twheel drive 11.4 6.0 14.9 Clutch, type: from twheel drive ratio: 3.73 2 nd ratio: 2.14 3rd ratio: 1.14.1 4.1 4.1 6.2 Clutch, type: dry single plate final drive ratio: 3.34 final drive ratio: 3.34 final drive ratio: 3.34 final drive ratio: 3.34 Clutch, type: 0.28 5.2 5.3 5		000 40/4450 4		
Engine di, capacity (0; 100) 3.6 Cooling capacity (1): 44 Alternator 14.2 V, capacity (W): 94 Transmission 5.2 Drive axe: font wheel drive Transmission, type: manual Gear ratios: 149 Unive axe: font wheel drive Transmission, type: manual Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 4th ratio: 1.12 bit ratio: 0.89 revice intervals: diff ratio: 5.3 Prove axe: find rive ratio: 3.34 Clutch, type: 5 Seats: 5 Org coefficient (c_,): 7.2 Prote axe: independent, wishone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Vheel suspension front: twin tube gas pressure shock absorbers Vinel suspension rear: 2, diagonal Antirol bar: - Brakes front, diameter (mm): disc, 256 Brakes front, diameter (mm): disc, 256				
Cooling capacity (0): 5.2 Battery 12V, capacity (AN): 44 Alternator 14.2 V, capacity (MN): 994 Transmission total: Drive axis: forth wheel drive Transmission, type: manual Gear ratios: 1st ratio: 3.73 and ratio: 2.14 3rd ratio: 1.41 thr rays with in 12 Bit ratio: 3.33 min ratio: 0.89 more of the reverse ratio: 3.31 final drive ratio: 3.94 clutch, type: 5 Body 5 Clutch, type: 5 Posted (Cap.): 5 Prote axis: 5 Clutch, type: 5 Body 5 Clutch, type: 5 Section close, (Cap.): 5 Prote area (A in m?): 0.28° Prote area (A in m?): 0.28° Prote area (A in m?): 0.28° Wheel supension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suppension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suppension front: trot the gas pressure shock absorbers Mati roll bar: 2, d				
Battery 12 V. capacity (M): 94 Atternator 14.2 V. capacity (W): 94 Atternator 14.2 V. capacity (W): 94 Atternator 14.2 V. capacity (W): 94 Drive axie: front wheel drive Transmission front wheel drive Transmission, type: manual Gear ratios: 1st ratio: 373 2nd ratio: 2.14 3rd ratio: 1.41 4th ratio: 1.12 5th ratio: 0.89 reverse ratio: 3.3.94 reverse ratio: 3.3 final drive ratio: 3.94 org operation (ratio): 0.28* Body satis: 5 Drag operation (ratio): 0.28* Frontal area (An m?): 0.68 Index (c_xA): 0.59* Chassis compound forsion beam axte, coll springs, with tube gas pressure shock absorbers Wheel suspension front: trint beg spressure shock absorbers Wheel suspension rear: compound forsion beam axte, coll springs, with tube gas pressure shock absorbers Winel suspension rear: coll agonal Brakes front, diameter (rmm): disc, 256 Brake stront, diameter (rmm): disc, 256				
Alternator 14.2 V, capacity (W): 994 Co_2 emission (g/km): Co_2 emission (g/km):				extra-urban: 5.2
Transmission 149 Drive axle: front wheel drive manual manual Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 4th ratio: 1.12 5th ratio: 0.89 Service intervals: reverse ratio: 3.31 final drive ratio: 3.94 Clutch, type: 0.28* Body 5 Drag coefficient (c_a): 0.28* Front area (A in m ²): 0.28* Front area (A in m ²): 0.28* Prate sizes 5 Orag coefficient (c_a): 0.28* Front area (A in m ²): 0.28* Vheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Nait coll bar: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Anti roll bar: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Anti roll bar: 2, diagonal Brakes front, diameter (mm): 2, diagonal Brakes front, diameter (mm): 2, diagonal				total: 6.2
Body Service intervals: Maintenance Clutch, type: manual Service intervals: inspection: every 30,000 km or once a year Clutch, type: dry single plate Service intervals: inspection: every 30,000 km or once a year Clutch, type: dry single plate *Basic model Service intervals: inspection: every 30,000 km or once a year Body Seats: 5 Seats: 5 Drag coefficient (c ₀ , YA): 2.06 Service intervals: Seats: Index (c wAR): 0.05 y Seats: Seats: Chassis independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers dust, coli springs, twin tube gas pressure shock absorbers dust, dister (mm); Seatestermed (mm); Brakes rear, diamet	· ····································			
Drive axle: Transmission, type: front wheel drive manual Maintenance Service intervals: inspection: every 30,000 km or once a year Clutch, type: attatio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 4th ratio: 1.12 5th ratio: 0.89 reverse ratio: 3.31 final drive ratio: 3.94 dry single plate Maintenance Service intervals: inspection: every 30,000 km or once a year Body	Transmission		Emission class:	Euro 4
Transition, type: manual fund if cell rule Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 service intervals: inspection: every 30,000 km or once a year Clutch, type: dv single plate service intervals: inspection: every 30,000 km or once a year Clutch, type: dv single plate service intervals: inspection: every 30,000 km or once a year Body seats: 5 Seats: 5 Drag coefficient (c_i): 0.28' Frontal area (A in m ²): 0.28' Index (c_ixA): 0.59' Chassis independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes fornt, diameter (mm); disc, 256		front who of drive		
Gear ratios: 1 st ratio: 3.73 2nd ratio: 2.14 3 dratio: 1.41 4th ratio: 1.12 5th ratio: 0.89 reverse ratio: 3.31 final drive ratio: 3.94 dry single plate Service intervals: inspection: every 30,000 km or once a year Clutch, type: dry single plate * Basic model * Kerb weight (70156 EEC) and 125 kg payload Body Seats: 5 Drag coefficient (c,): 0.28* Forntal area (A in m?): 2.06 1.dex (c, xA): 0.59* Chassis independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers * Here is uspension front: Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers * Here is uspension front: Wheel suspension front: front front Brakes 2. diagonal Brakes fornt, diameter (mm): 2. diagonal Brakes fornt, diameter (mm): disc, 256			Maintenance	
dtin ratio: 1.12 Shi ratio: 0.89 reverse ratio: 3.31 final drive ratio: 3.94 dry single plate * Basic model * Kerb weight (70156 EEC) and 125 kg payload Body 5 Seats: 5 Drag coefficient (c_s): 0.28* Fontal area (A in m?): 0.26* Index (c_sA): 0.59* Chassis			Service intervals:	inspection: every 30,000 km or once a year
Clutch, type: reverse ratio: 3.31 final drive ratio: 3.94 dry single plate * Basic model Body * Easic model Seats: 5 Drag coefficient (c_s): 0.284 Frontal area (A in m?): 2.06 Index (c_wA): 0.59 Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes foru, diameter (mm): 2. diagonal Brakes foru, diameter (mm): disc, 256				
Clutch, type: dry single plate * Basic model * Basic model * Kerb weight (70156 EEC) and 125 kg payload Body Seats: 5 Drag coefficient (c_n): 0.28* Frontal area (A in m?): 2.06 Index (c_xA): 0.59* Chassis				
Body 5 Seats: 5 Drag coefficient (c_s): 0.28* Frontal area (A in m ²): 2.06 Index (c_xA): 0.59* Chassis 0.59* Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes 2, diagonal Brake circuits: 2, diagonal Brakes front, diameter (mm): 2, diagonal Brakes rent, diameter (mm): 4um	Clutch, type:			
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Seats:5Drag coefficient (c_)):0.28"Frontal area (A in m?):2.06Index (c_wA):0.59"Chassisindependent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbersWheel suspension front:independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbersWheel suspension rear:compound torsion beam axle, coil springs, twin tube gas pressure shock absorbersAnti roll bar:frontBrakes2, diagonalBrake circuits:2, diagonalBrakes front, diameter (mm):disc, 256Brakes front, diameter (mm):drum	Body			
Drag coefficient (c_,): 0.28' Frontal area (A in m ²): 2.06 Index (c_,xA): 0.59' Chassis Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes front Brakes front, diameter (mm): 2, diagonal Brakes frear, diameter (mm): disc, 256	5	5		
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Index (c "xA): 0.59* Chassis independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes 2, diagonal Brakes front, diameter (mm): disc, 256 Brakes rear, diameter (mm): diru				
Chassis Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes 2, diagonal Brakes front, diameter (mm): disc, 256 Brakes rear, diameter (mm): drum				
Wheel suspension front:independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers frontWheel suspension rear:compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers frontBrakesfrontBrakes2, diagonal Brakes front, diameter (mm):disc, 256 drumBrakes rear, diameter (mm):disc, 256 drum				
Wheel suspension front:independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers frontWheel suspension rear:compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers frontBrakesfrontBrakes2, diagonal Brakes front, diameter (mm):disc, 256 drumBrakes rear, diameter (mm):disc, 256 drum	Chassis			
Wheel suspension rear: twin tube gas pressure shock absorbers Anti roll bar: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes graphic front Brake circuits: 2, diagonal Brakes front, diameter (mm): disc, 256 Brakes rear, diameter (mm): disc, 256		independent wishbana, an aubframa, MaDharaan atruta		
Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes graphic circuits: Brake sfront, diameter (mm): disc, 256 Brakes rear, diameter (mm): drum	wheel suspension front:			
Anti roll bar: front Brakes Brake circuits: 2, diagonal Brakes front, diameter (mm): disc, 256 Brakes rear, diameter (mm): drum	Wheel suspension rear:	compound torsion beam axle, coil springs,		
Brake circuits:2, diagonalBrakes front, diameter (mm):disc, 256Brakes rear, diameter (mm):drum	Anti roll bar:			
Brake circuits:2, diagonalBrakes front, diameter (mm):disc, 256Brakes rear, diameter (mm):drum	Brakes			
Brakes front, diameter (mm): disc, 256 Brakes rear, diameter (mm): drum				
Brakes rear, diameter (mm): drum				
		opuon		

Astra 1.2 16V Z12 XE 55kW/75hp 5-speed hatchback 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
– • • •		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	72.5	Opening luggage compartment to ground (mm):	810
Stroke (mm):	72.6	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1199	Turning clearance circle/turning circle (m):	10.8/10.15
Compression ratio:	10.1:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Kerb weight/max. allowable weight/additional load (k	
Valve train:	roller drag lever, hydraulic tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	20.8; 15.3
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	815/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	660/550
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 1.5.5	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank	i dei tank capacity (i), iocation.	Sz, ulluel leal seals
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Deufeureere	
Output (kW/hp CEE at 1/min):	55/75 at 5600	Performance	
Specific power (kW/l; hp/l):	45.9; 62.6	Top speed (km/h):	170
Max. torque (Nm at 1/min):	110 at 4000	Acceleration 0-100 km/h (sec)*:	15
Specific torque (Nm/liter):	91.7	Acc. 80-120 km/h in 5th gear (sec)*:	22
Mean effective pressure at	0111	Pass-by noise (dBA):	72
max. power/max. torque (kPa):	982.10/1153.4	Fuel:	unleaded premium
Average piston speed (m/s):	13.6	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	3.5		Additional equipment can lead to increased
Cooling capacity (I):	5.2		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	44		urban: 8.0
Alternator 14.2 V, capacity (W):	994		extra-urban: 5.2
· ····································			total: 6.2
Transmission		CO ₂ emission (g/km):	149
		Emission class:	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inanaction: avery 20,000 km or appa a vear
	4th ratio: 1.12 5th ratio: 0.89	Service intervals.	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.94		
Clutch, type:	dry single plate	[†] Decie model	
		* Basic model * Kerb weight (70156 EEC) and 125 kg payload	
Body		Keib weight (70156 EEC) and 125 kg payload	
Seats:	5		
Drag coefficient (c,):	0.28+		
Frontal area (A in m^2):	2.06		
Index (c xA):	0.59⁺		
	0.00		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		
·	-F	1	

Astra Caravan 1.2 16V Z12 XE 55kW/75hp 5-speed station wagon 5 doors

	· · · · · · · · · · · · · · · · · · ·		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	-	4200
		Length (mm):	4288 1709
Engine data		Width (mm):	
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	1465
Cooling system:	with liquid, sealed circuit	Wheelbase (mm):	2611
	4	Track front/rear (mm):	1484/1460
Cylinders, number:	72.5	Luggage capacity (I) ECIE:	480-1500
Bore (mm):		Opening luggage compartment to ground (mm):	886
Stroke (mm):	72.6	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1199	Turning clearance circle/turning circle (m):	10.8/10.15
Compression ratio:	10.1:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	roller drag lever, hydraulic tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	21.1; 15.5
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	815/885
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	550/550
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 1.5.5	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	55/75 at 5600		405
Specific power (kW/l; hp/l):	45.9; 62.6	Top speed (km/h):	165
Max. torque (Nm at 1/min):	110 at 4000	Acceleration 0-100 km/h (sec)*:	15.5
Specific torque (Nm/liter):	91.7	Acc. 80-120 km/h in 5th gear (sec)*:	23.5
Mean effective pressure at		Pass-by noise (dBA):	72
max. power/max. torque (kPa):	982.10/1153.4	Fuel:	unleaded premium
Average piston speed (m/s):	13.6	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	3.5		Additional equipment can lead to increased
Cooling capacity (I):	5.2		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	44		urban: 8.1
Alternator 14.2 V, capacity (W):	994		extra-urban: 5.4
			total: 6.4
Transmission		CO ₂ emission (g/km):	154
		Emīssion class:	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.12 5th ratio: 0.89		inspection. every 50,000 km of once a year
	reverse ratio: 3.31 final drive ratio: 3.94		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body		Kelb weight (10100 EEO) and 120 kg payload	
Seats:	5		
Drag coefficient (c _s):	0.28+		
Frontal area (A in m ²):	2.06		
Index (c xA):	0.59*		
	0.00		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	disc, 256		
Brakes rear, diameter (mm):	disc, 256 drum		
ABS:	option		
ADO.	ομιστι		

Astra 1.4 16V Z14XE 66kW/90hp 5-speed hatchback 3 doors

Model year: Date:	2001 ½ 27.02.01	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
Engine data		Width (mm):	1709
5		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	77.6	Opening luggage compartment to ground (mm):	810
Stroke (mm):	73.4	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1389	Turning clearance circle/turning circle (m):	10.8/10.15
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type: Cylinder block/head, material:	in line; 5 main bearings cast iron/aluminum	Steering, ratio:	electrhydr. power steering, 17
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Steering wheel outside diameter (mm):	380
Valve train:	hydraulic bucket tappets	Kerb weight/max. allowable weight/additional load (kg)	
Valve, arrangement:	v; 4 per cylinder	Power to weight ratio (kg/kW; kg/hp)(empty):	17.6; 12.9
Valve adjustment:	automatic - hydraulic	Max. axle load front/rear (kg): Trailer load braked/unbraked (kg):	845/820 900/550
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer hook weight/roof load (kg):	900/550 75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		SZ, ulluel leal seals
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Deuteursee	
Output (kW/hp CEE at 1/min):	66/90 at 6000	Performance	
Specific power (kW/l; hp/l):	47.5; 64.8	Top speed (km/h):	180
Max. torque (Nm at 1/min):	125 at 4000	Acceleration 0-100 km/h (sec)*:	13
Specific torque (Nm/liter):	90.0	Acc. 80-120 km/h in 5th gear (sec)*:	18.5
Mean effective pressure at		Pass-by noise (dBA):	73
max. power/max. torque (kPa):	950.3/1131.4	Fuel:	unleaded premium
Average piston speed (m/s):	14.7	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	3.5		Additional equipment can lead to increased
Cooling capacity (I):	6.3		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	44		urban: 9.7
Alternator 14.2 V, capacity (W):	994		extra-urban: 5.8
			total: 7.2
Transmission		CO ₂ emission (g/km):	173
Drive axle:	front wheel drive	Emission class:	Euro 4
Transmission, type:	manual	NA-1-1	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Maintenance	
	4th ratio: 1.12 5th ratio: 0.89	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.94		
Clutch, type:	dry single plate		
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
	-		
Seats:	5		
Drag coefficient ($c_{\rm p}$):	0.28*		
Frontal area (A in m²): Index (c "xA):	2.06 0.59+		
	0.59		
Chassis			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra 1.4 16V Z14XE 66kW/90hp 4-speed autom. hatchback 3 doors

	0004.1/		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
En viz e state		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	77.6	Opening luggage compartment to ground (mm):	810
Stroke (mm):	73.4	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1389	Turning clearance circle/turning circle (m):	10.8/10.15
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg)	: 1163/1640/477
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	17.6; 12.9
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	865/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1000/550
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		,
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	66/90 at 6000		
Specific power (kW/l; hp/l):	47.5; 64.8	Top speed (km/h):	168
Max. torque (Nm at 1/min):	125 at 4000	Acceleration 0-100 km/h (sec)*:	14.5
Specific torque (Nm/liter):	90.0	Pass-by noise (dBA):	72
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	950.3/1131.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	14.7		Additional equipment can lead to increased
Engine oil, capacity (I):	3.5		consumption and CO ₂ values.
Cooling capacity (I):	6.2		urban: 11
Battery 12 V, capacity (Ah):	44		extra-urban: 6.2
Alternator 14.2 V, capacity (W):	994		total: 8.0
		CO ₂ emission (g/km):	192
Transmission		Emission class:	Euro 4
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	automatic + lock-up	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		
	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12	* Basic model	
Clutch, type:	torque converter	* Kerb weight (70156 EEC) and 125 kg payload	
		Kelb weight (70130 EEC) and 123 kg payload	
Body			
Seats:	5		
Drag coefficient (c_):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c xA):	0.59*		
· · · (· w)			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		
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Astra 1.4 16V Z14XE 66kW/90hp 5-speed notchback 4 doors

Model year:	2001 1/2		
Date:	2001 ½ 27.02.01	Weights and dimensions	
Dale.	27.02.01	Length (mm):	4252
Engine data		Width (mm):	1709
0		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1230
Bore (mm):	77.6	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Stroke (mm): Displacement (cc):	73.4 1389	Turning clearance circle/turning circle (m):	10.8/10.15
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	17.6; 12.9
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty): Max. axle load front/rear (kg):	845/820
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	900/550
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/100
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Fuel tank capacity (I), location:	52, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug	i dei tank obpacity (i), iocation.	
Fuel pump:	electric, in tank	Borformonoo	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	66/90 at 6000	Top speed (km/h):	180
Specific power (kW/l; hp/l):	47.5; 64.8	Acceleration 0-100 km/h (sec)*:	13
Max. torque (Nm at 1/min):	125 at 4000	Acc. 80-120 km/h in 5th gear (sec)*:	18.5
Specific torque (Nm/liter):	90.0	Pass-by noise (dBA):	73
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	950.3/1131.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	14.7		Additional equipment can lead to increased consumption and CO ₂ values.
Engine oil, capacity (I):	3.5		urban: 9.7
Cooling capacity (I):	6.3		extra-urban: 5.8
Battery 12 V, capacity (Ah):	44		total: 7.2
Alternator 14.2 V, capacity (W):	994	CO_2 emission (g/km):	173
T		Emission class:	Euro 4
Transmission			
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual		in
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 3.94	* Basic model	
Clutch, type:	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
		Kerb weight (70130 EEC) and 123 kg payload	
Body			
Seats:	5		
Drag coefficient (c _p):	0.28+		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		
	•		

Astra 1.4 16V Z14XE 66kW/90hp 4-speed autom. notchback 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4252
Engine data		Width (mm):	1709
5		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1230
Bore (mm):	77.6		
		Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Stroke (mm):	73.4	Turning clearance circle/turning circle (m):	10.8/10.15
Displacement (cc):	1389	Steer. wheel turns lock/lock:	3.1
Compression ratio:	10.5:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
	cast iron/aluminum		
Cylinder block/head, material:		Kerb weight/max. allowable weight/additional load (kg)	
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	17.9; 13.1
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	865/820
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1000/550
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/100
	sequential multi point fuel injection (SFI), HSFI 2.1		
Fuel system:		Fuel tank capacity (I), location:	52, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	66/90 at 6000	Top speed (km/h):	168
		Acceleration 0-100 km/h (sec)*:	14.5
Specific power (kW/l; hp/l):	47.5; 64.8	Pass-by noise (dBA):	72
Max. torque (Nm at 1/min):	125 at 4000		
Specific torque (Nm/liter):	90.0	Fuel:	unleaded premium
Mean effective pressure at		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	950.3/1131.4		Additional equipment can lead to increased
			consumption and CO ₂ values.
Average piston speed (m/s):	14.7		urban: 11.1
Engine oil, capacity (I):	3.5		
Cooling capacity (I):	6.2		extra-urban: 6.3
Battery 12 V, capacity (Ah):	44		total: 8.1
Alternator 14.2 V, capacity (W):	994	CO ₂ emission (g/km):	195
Alternator 14.2 V, capacity (VV).	334	Emission class:	Euro 4
		Emission dass.	Euro
Transmission		• • • •	
		Maintenance	
Drive axle:	front wheel drive	Service intervals:	increation, avery 20,000 km or and a vest
Transmission, type:	automatic + lock-up	Service Intervals.	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		
	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Clutch, type:	torque converter	Neib weight (10100 EEO) and 120 kg payload	
Body			
Seats:	5		
Drag coefficient (c):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c _w xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:			
ADJ.	option		

Astra 1.4 16V Z14XE 66kW/90hp 5-speed hatchback 5 doors

Model year: Date:	2001 ½ 27.02.01	Weights and dimensions	
		Length (mm): Width (mm):	4110 1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	77.6	Opening luggage compartment to ground (mm):	810
Stroke (mm):	73.4	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1389	Turning clearance circle/turning circle (m):	10.8/10.15
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	
Engine, type:	in line; 5 main bearings	Steering, ratio:	3.1
Cylinder block/head, material:	cast iron/aluminum		electrhydr. power steering, 17
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Steering wheel outside diameter (mm):	380
Valve train:	hydraulic bucket tappets	Kerb weight/max. allowable weight/additional load (kg)	
Valve, arrangement:	v; 4 per cylinder	Power to weight ratio (kg/kW; kg/hp)(empty):	17.6; 12.9 845/820
Valve adjustment:	automatic - hydraulic	Max. axle load front/rear (kg):	900/550
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer load braked/unbraked (kg):	
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	electric, in tank	Fuel tank capacity (I), location:	52, under rear seats
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	66/90 at 6000	Performance	
Specific power (kW/l; hp/l):	47.5; 64.8	Top speed (km/h):	180
	47.5, 64.8 125 at 4000	Acceleration 0-100 km/h (sec)*:	13
Max. torque (Nm at 1/min): Specific torque (Nm/liter):	90.0	Acc. 80-120 km/h in 5th gear (sec)*:	18.5
	90.0	Pass-by noise (dBA):	73
Mean effective pressure at	950.3/1131.4	Fuel:	unleaded premium
max. power/max. torque (kPa):		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	14.7		Additional equipment can lead to increased
Engine oil, capacity (I):	3.5		consumption and CO_2 values.
Cooling capacity (I):	6.3		urban: 9.7
Battery 12 V, capacity (Ah):	44		extra-urban: 5.8
Alternator 14.2 V, capacity (W):	994		total: 7.2
		CO ₂ emission (g/km):	173
Transmission		Emission class:	Euro 4
Drive axle:	front wheel drive		Edio
Transmission, type:	manual	Maintananaa	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Maintenance	
	4th ratio: 1.12 5th ratio: 0.89	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.94		
Clutch, type:	dry single plate		
	aly onigio plato	* Basic model	
Padu		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c_{D}):	0.28*		
Frontal area (A in m²):	2.06		
Index (c "xA):	0.59+		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
wheel suspension from:			
Wheel evenencion reer	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
Anti roll hore	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		
-	-1	1	

Astra 1.4 16V Z14XE 66kW/90hp 4-speed autom. hatchback 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	77.6	Opening luggage compartment to ground (mm):	810
Stroke (mm):	73.4		
Displacement (cc):	1389	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
		Turning clearance circle/turning circle (m):	10.8/10.15
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	17.9; 13.1
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	865/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1000/550
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	66/90 at 6000		
Specific power (kW/l; hp/l):	47.5: 64.8	Top speed (km/h):	168
Max. torque (Nm at 1/min):	125 at 4000	Acceleration 0-100 km/h (sec)*:	14.5
Specific torque (Nm/liter):	90.0	Pass-by noise (dBA):	72
Mean effective pressure at	00.0	Fuel:	unleaded premium
max. power/max. torgue (kPa):	950.3/1131.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	14.7		Additional equipment can lead to increased
Engine oil, capacity (I):	3.5		consumption and CO ₂ values.
Cooling capacity (I):	6.2		urban: 11.1
Battery 12 V, capacity (Ah):			extra-urban: 6.3
	44		total: 8.1
Alternator 14.2 V, capacity (W):	994	CO ₂ emission (g/km):	195
		Emission class:	Euro 4
Transmission			Edio 4
Drive axle:	front wheel drive		
Transmission, type:	automatic + lock-up	Maintenance	
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
Oeal Tallos.	4th ratio: 0.74		
Olivitale terrary		* Basic model	
Clutch, type:	torque converter	* Kerb weight (70156 EEC) and 125 kg payload	
		Neib weigin (10100 EE0) and 120 kg payload	
Body			
Seats:	5		
Drag coefficient (c _o):	0.28*		
Frontal area (A in m^2):	2.06		
Index (c "xA):	0.59*		
	0.05		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
Wheel suspension real.	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra Caravan 1.4 16V Z14XE 66kW/90hp 5-speed station wagon 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4288
			1709
Engine data		Width (mm):	1465
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	
Cooling system:	with liquid, sealed circuit	Wheelbase (mm):	2611
Cooling system. Cylinders, number:	4	Track front/rear (mm):	1484/1460
		Luggage capacity (I) ECIE:	480-1500
Bore (mm):	77.6	Opening luggage compartment to ground (mm):	886
Stroke (mm):	73.4	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1389	Turning clearance circle/turning circle (m):	10.8/10.15
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg): 1235/1710/475
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	 18.7; 13.7
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	845/885
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	850/550
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under luggage compartment
Fuel pump:	electric, in tank	r der tank capacity (i), iocation.	oz, under laggage compartment
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	66/90 at 6000	Performance	
Specific power (kW/I; hp/I):	47.5: 64.8	Top speed (km/h):	175
		Acceleration 0-100 km/h (sec)*:	13.5
Max. torque (Nm at 1/min):	125 at 4000	Acc. 80-120 km/h in 5th gear (sec)*:	19.5
Specific torque (Nm/liter):	90.0	Pass-by noise (dBA):	73
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	950.3/1131.4		
Average piston speed (m/s):	14.7	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	3.5		Additional equipment can lead to increased
Cooling capacity (I):	6.3		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	44		urban: 9.9
Alternator 14.2 V, capacity (W):	994		extra-urban: 6.1
			total: 7.5
Transmission		CO ₂ emission (g/km):	180
		Emission class:	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41		·
	4th ratio: 1.12 5th ratio: 0.89	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.94		
Clutch, type:	dry single plate		
	, , , , , , , , , , , , , , , , , , , ,	* Basic model	
Pody		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c _p):	0.28+		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59+		
× 11 /			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra Caravan 1.4 16V Z14XE 66kW/90hp 4-speed autom. station wagon 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01		1000
		Length (mm):	4288
Engine data		Width (mm):	1709
	front transverse in front of outs. 7º 50' forward inclined	Height (mm):	1465
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	480-1500
Bore (mm):	77.6	Opening luggage compartment to ground (mm):	886
Stroke (mm):	73.4	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1389	Turning clearance circle/turning circle (m):	10.8/10.15
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	a): 1255/1730/475
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	19.0; 13.9
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	865/885
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	950/550
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under luggage compartment
Fuel pump:	electric, in tank	r der tank capacity (i), location.	52, under luggage compariment
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	66/90 at 6000	Performance	
Specific power (kW/l; hp/l):	47.5: 64.8	Top speed (km/h):	163
	125 at 4000	Acceleration 0-100 km/h (sec)*:	15
Max. torque (Nm at 1/min):		Pass-by noise (dBA):	72
Specific torque (Nm/liter):	90.0	Fuel:	unleaded premium
Mean effective pressure at		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	950.3/1131.4		Additional equipment can lead to increased
Average piston speed (m/s):	14.7		
Engine oil, capacity (I):	3.5		consumption and CO ₂ values.
Cooling capacity (I):	6.2		urban: 11.3
Battery 12 V, capacity (Ah):	44		extra-urban: 6.5
Alternator 14.2 V, capacity (W):	994		total: 8.3
		CO ₂ emission (g/km):	200
Transmission		Emission class:	Euro 4
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	automatic + lock-up	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00	Service intervals.	inspection. every 50,000 km of once a year
	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12		
Clutch, type:	torque converter	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
5	_		
Seats:	5		
Drag coefficient (c _D):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c _w xA):	0.59+		
Chassis			
	i han ha i hhan a ha M Dhanna ha		
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
	front		
Anti roll bar:			
Anti roll bar: Brakes			
	2, diagonal		
Brakes Brake circuits:			
Brakes Brake circuits: Brakes front, diameter (mm):	ventilated disc, 256		
Brakes Brake circuits:			

Astra 1.6 Z16SE 62kW/85hp 5-speed hatchback 3 doors

Model year:	2001 ½		
Date:	2001 ½ 27.02.01	Weights and dimensions	
Dale.	27:02:01	Length (mm):	4110
Engine dete		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	79	Opening luggage compartment to ground (mm):	810
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1598	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	9.6:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (SOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg): 1163/1620/457
Valve train:	hydraulic tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	18.8; 13.7
Valve, arrangement:	parallel; 2 per cylinder	Max. axle load front/rear (kg):	845/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1100/570
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	62/85 at 5400		400
Specific power (kW/l; hp/l):	38.8; 53.2	Top speed (km/h):	180
Max. torque (Nm at 1/min):	138 at 2600	Acceleration 0-100 km/h (sec)*:	13
Specific torque (Nm/liter):	86.4	Acc. 80-120 km/h in 5th gear (sec)*:	17
Mean effective pressure at		Pass-by noise (dBA):	72
max. power/max. torque (kPa):	862.2/1085.7	Fuel:	unleaded premium
Average piston speed (m/s):	14.7	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	3.5		Additional equipment can lead to increased
Cooling capacity (I):	5.9		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	44		urban: 9.6
Alternator 14.2 V, capacity (W):	994		extra-urban: 5.6
			total: 7.1
Transmission		CO ₂ emission (g/km):	171
Drive axle:	front wheel drive	Emission class:	Euro 4
Transmission, type:	manual		
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Maintenance	
Gear railos.	4th ratio: 1.12 5th ratio: 0.89	Service intervals:	inspection: every 30,000 km or once a year
Clutch turner	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c,):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c xA):	0.59^{+}		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		
	opiion	I	

Astra 1.6 Z16SE 62kW/85hp 4-speed autom. hatchback 3 doors

Madalwaan	0004.1/	l	
Model year:	2001 ½ 27.02.01	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
— · · · ·		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	79	Opening luggage compartment to ground (mm):	810
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1598		10.90/10.25
Compression ratio:	9.6:1	Turning clearance circle/turning circle (m):	
Engine, type:	in line; 5 main bearings	Steer. wheel turns lock/lock:	3.1
		Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (SOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	18.8; 13.7
Valve, arrangement:	parallel; 2 per cylinder	Max. axle load front/rear (kg):	865/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1100/570
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	62/85 at 5400		
Specific power (kW/l; hp/l):	38.8; 53.2	Top speed (km/h):	170
Max. torque (Nm at 1/min):	138 at 2600	Acceleration 0-100 km/h (sec)*:	14.5
Specific torque (Nm/liter):	86.4	Pass-by noise (dBA):	71
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	862.2/1085.7	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	14.7		Additional equipment can lead to increased
Engine oil, capacity (I):	3.5		consumption and CO ₂ values.
Cooling capacity (I):	5.8		urban: 11.2
	44		extra-urban: 6.3
Battery 12 V, capacity (Ah):			total: 8.1
Alternator 14.2 V, capacity (W):	994	CO_2 emission (g/km):	195
		Emission class:	Euro 4
Transmission			
Drive axle:	front wheel drive		
Transmission, type:	automatic + lock-up	Maintenance	
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
Geal Tallos.	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12	* Basic model	
Clutch, type:	torque converter	* Kerb weight (70156 EEC) and 125 kg payload	
		Kelb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c,):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c _w xA):	0.59+		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
Wheel suspension none.	twin tube gas pressure shock absorbers		
Wheel evenencion rear:	compound torsion beam axle, coil springs,		
Wheel suspension rear:			
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra 1.6 Z16SE 62kW/85hp 5-speed notchback 4 doors

		1	
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4252
		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1230
Bore (mm):	79	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Stroke (mm):	81.5	Turning clearance circle/turning circle (m):	10.90/10.25
Displacement (cc):	1598	Steer. wheel turns lock/lock:	3.1
Compression ratio:	9.6:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg)	: 1163/1640/477
Camshaft(s), location:	1 overhead (SOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	18.8; 13.7
Valve train:	hydraulic tappets	Max. axle load front/rear (kg):	845/820
Valve, arrangement:	parallel; 2 per cylinder	Trailer load braked/unbraked (kg):	1100/570
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/100
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Fuel tank capacity (I), location:	52, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors		400
Output (kW/hp CEE at 1/min):	62/85 at 5400	Top speed (km/h):	180 13
Specific power (kW/l; hp/l):	38.8; 53.2	Acceleration 0-100 km/h (sec)*: Acc. 80-120 km/h in 5th gear (sec)*:	13
Max. torque (Nm at 1/min):	138 at 2600		72
Specific torque (Nm/liter):	86.4	Pass-by noise (dBA): Fuel:	unleaded premium
Mean effective pressure at		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	862.2/1085.7		Additional equipment can lead to increased
Average piston speed (m/s):	14.7		consumption and CO_2 values.
Engine oil, capacity (I):	3.5		urban: 9.6
Cooling capacity (I):	5.9		extra-urban: 5.6
Battery 12 V, capacity (Ah):	44		total: 7.1
Alternator 14.2 V, capacity (W):	994	CO ₂ emission (g/km):	171
		Emission class:	Euro 4
Transmission		Emission dass.	Edio 4
Drive axle:	front wheel drive	Maintononaa	
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate	⁺ Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
5	-		
Seats:	5		
Drag coefficient (c_{p}) :	0.28+		
Frontal area (A in m ²):	2.06		
Index (c _w xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
·	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		
	·		

Astra 1.6 Z16SE 62kW/85hp 4-speed autom. notchback 4 doors

Model year:	2001 1⁄2	Weights and dimensions	
Date:	27.02.01		1050
		Length (mm):	4252
Engine data		Width (mm):	1709
0		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1230
Bore (mm):	79	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Stroke (mm):	81.5	Turning clearance circle/turning circle (m):	10.90/10.25
Displacement (cc):	1598		
		Steer. wheel turns lock/lock:	3.1
Compression ratio:	9.6:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg): 1183/1660/477
Camshaft(s), location:	1 overhead (SOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	19.1: 13.9
Valve train:	hydraulic tappets	Max. axle load front/rear (kg):	865/820
Valve, arrangement:	parallel; 2 per cylinder	Trailer load braked/unbraked (kg):	1100/570
Valve adjustment:	automatic - hydraulic		
		Trailer hook weight/roof load (kg):	75/100
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Fuel tank capacity (I), location:	52, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	62/85 at 5400	Top speed (km/h):	170
Specific power (kW/l; hp/l):	38.8: 53.2	Acceleration 0-100 km/h (sec)*:	14.5
Max. torque (Nm at 1/min):	138 at 2600	Pass-by noise (dBA):	71
		Fuel:	unleaded premium
Specific torque (Nm/liter):	86.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Mean effective pressure at			Additional equipment can lead to increased
max. power/max. torque (kPa):	862.2/1085.7		
Average piston speed (m/s):	14.7		consumption and CO ₂ values.
Engine oil, capacity (I):	3.5		urban: 11.3
Cooling capacity (I):	5.8		extra-urban: 6.4
Battery 12 V, capacity (Ah):	44		total: 8.2
	994	CO ₂ emission (g/km):	197
Alternator 14.2 V, capacity (W):	994	Emission class:	Euro 4
		Emission dass.	Edio
Transmission			
	for a first such a set of the set	Maintenance	
Drive axle:	front wheel drive	Service intervals:	inspection: every 30,000 km or once a year
Transmission, type:	automatic + lock-up	Dervice intervals.	inspection. every 50,000 km of once a year
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		
	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12	* Basic model	
Clutch, type:	torque converter	* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c _s):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59⁺		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Anti Toli bal.	nom		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra 1.6 Z16SE 62kW/85hp 5-speed hatchback 5 doors

Model year:	2001 ½	Maighte and dimensions	
Date:	27.02.01	Weights and dimensions	
540.	21.02.01	Length (mm):	4110
Engino data		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	79	Opening luggage compartment to ground (mm):	810
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1598	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	9.6:1		
Engine, type:	in line; 5 main bearings	Steer. wheel turns lock/lock:	3.1
	cast iron/aluminum	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:		Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (SOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (
Valve train:	hydraulic tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	18.8; 13.7
Valve, arrangement:	parallel; 2 per cylinder	Max. axle load front/rear (kg):	845/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1100/570
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank	r der tallt sapasity (i), issatism	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Destaura	
Output (kW/hp CEE at 1/min):	62/85 at 5400	Performance	
Specific power (kW/l; hp/l):	38.8; 53.2	Top speed (km/h):	180
Max. torque (Nm at 1/min):	138 at 2600	Acceleration 0-100 km/h (sec)*:	13
		Acc. 80-120 km/h in 5th gear (sec)*:	17
Specific torque (Nm/liter):	86.4	Pass-by noise (dBA):	72
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	862.2/1085.7		
Average piston speed (m/s):	14.7	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	3.5		Additional equipment can lead to increased
Cooling capacity (I):	5.9		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	44		urban: 9.6
Alternator 14.2 V, capacity (W):	994		extra-urban: 5.6
·			total: 7.1
Transmission		CO ₂ emission (g/km):	171
		Emission class:	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41		
	4th ratio: 1.12 5th ratio: 0.89	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate		
olaton, typo.		* Basic model	
D. J		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c,):	0.28*		
Frontal area (A in m^2):	2.06		
Index (c xA):	0.59*		
	0.55		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel evenencies rear			
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		
	option	I	

Astra 1.6 Z16SE 62kW/85hp 4-speed autom. hatchback 5 doors

Model year:	2001 ½		
Date:	2001 1/2 27.02.01	Weights and dimensions	
Date.	27.02.01	Length (mm):	4110
Engine data		Width (mm):	1709
		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	79	Opening luggage compartment to ground (mm):	810
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1598	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	9.6:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (SOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	19.1; 13.9
Valve, arrangement:	parallel; 2 per cylinder	Max. axle load front/rear (kg):	865/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1100/570
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	62/85 at 5400	Top speed (km/h):	170
Specific power (kW/l; hp/l):	38.8; 53.2	Acceleration 0-100 km/h (sec)*:	14.5
Max. torque (Nm at 1/min):	138 at 2600	Pass-by noise (dBA):	71
Specific torque (Nm/liter):	86.4	Fuel:	unleaded premium
Mean effective pressure at	862.2/1085.7	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):			Additional equipment can lead to increased
Average piston speed (m/s):	14.7		consumption and CO_2 values.
Engine oil, capacity (I):	3.5 5.8		urban: 11.3
Cooling capacity (I): Battery 12 V, capacity (Ah):	5.8 44		extra-urban: 6.4
Alternator 14.2 V, capacity (W):	994		total: 8.2
Alternator 14.2 V, capacity (VV).	994	CO ₂ emission (g/km):	197
T		Emission class:	Euro 4
Transmission			
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	automatic + lock-up		
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12		
Clutch, type:	torque converter	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	F		
	5 0.28*		
Drag coefficient (c_{p}) :			
Frontal area (A in m ²):	2.06 0.59*		
Index (c _w xA):	0.59		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra Caravan 1.6 Z16SE 62kW/85hp 5-speed station wagon 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4288
Engine data		Width (mm):	1709
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	1465
		Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	480-1500
Bore (mm):	79	Opening luggage compartment to ground (mm):	886
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1598	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	9.6:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (SOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	19.9; 14.5
Valve, arrangement:	parallel; 2 per cylinder	Max. axle load front/rear (kg):	845/885
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1050/570
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric. in tank	Fuel tank capacity (I), location:	52, under luggage compartment
	3-way cat. conv. with 2 oxygen sensors		
Emission control system:		Performance	
Output (kW/hp CEE at 1/min):	62/85 at 5400	Top speed (km/h):	177
Specific power (kW/l; hp/l):	38.8; 53.2	Acceleration 0-100 km/h (sec)*:	13.5
Max. torque (Nm at 1/min):	138 at 2600	Acc. 80-120 km/h in 5th gear (sec)*:	18
Specific torque (Nm/liter):	86.4		18 72
Mean effective pressure at		Pass-by noise (dBA):	
max. power/max. torque (kPa):	862.2/1085.7	Fuel:	unleaded premium
Average piston speed (m/s):	14.7	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	3.5		Additional equipment can lead to increased
Cooling capacity (I):	5.9		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	44		urban: 9.8
Alternator 14.2 V, capacity (W):	994		extra-urban: 5.8
			total: 7.3
Transmission		CO ₂ emission (g/km):	175
		Emission class:	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41		
	4th ratio: 1.12 5th ratio: 0.89	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate		
olaton, typo:	ary origio plato	* Basic model	
D e el c		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c _p):	0.28+		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
	0.00		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
wheel suspension real.	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Anti Toli bal.	ITOTIL		
Duchas			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		
	σμιστι	I	

Astra Caravan 1.6 Z16SE 62kW/85hp 4-speed autom. station wagon 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4288
		Width (mm):	1709
Engine data		Height (mm):	1465
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	480-1500
Bore (mm):	79	Opening luggage compartment to ground (mm):	886
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1598	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	9.6:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (SOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	1): 1255/1730/475
Valve train:	hydraulic tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	20.2; 14.8
Valve, arrangement:	parallel; 2 per cylinder	Max. axle load front/rear (kg):	865/885
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1000/570
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under luggage compartment
Fuel pump:	electric, in tank	· · · · · · · · · · · · · · · · · · ·	,
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	62/85 at 5400		
Specific power (kW/l; hp/l):	38.8; 53.2	Top speed (km/h):	157
Max. torque (Nm at 1/min):	138 at 2600	Acceleration 0-100 km/h (sec)*:	15
Specific torque (Nm/liter):	86.4	Pass-by noise (dBA):	71
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	862.2/1085.7	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	14.7		Additional equipment can lead to increased
Engine oil, capacity (I):	3.5		consumption and CO ₂ values.
Cooling capacity (I):	5.8		urban: 11.4
Battery 12 V, capacity (Ah):	44		extra-urban: 6.6
Alternator 14.2 V, capacity (W):	994		total: 8.4
· ····································		CO ₂ emission (g/km):	201
Transmission		Emission class:	Euro 4
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	automatic + lock-up	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00	Service intervals.	inspection. every 50,000 km of once a year
	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12	* Basic model	
Clutch, type:	torque converter		
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c _s):	0.28*		
Frontal area (A in m^2):	2.06		
Index (c "xA):	0.59*		
	0.59		
Ohaasia			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
	front		
Anti roll bar:			
Anti roll bar: Brakes			
	2, diagonal		
Brakes	2, diagonal ventilated disc, 256		
Brakes Brake circuits:			
Brakes Brake circuits: Brakes front, diameter (mm):	ventilated disc, 256		

Astra 1.6 16V Z16XE 74kW/100hp 5-speed hatchback 3 doors

Model voor	2001 ½		
Model year: Date:	2001 1/2 27.02.01	Weights and dimensions	
Dale.	27.02.01	Length (mm):	4110
En alma data		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	79	Opening luggage compartment to ground (mm):	810
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	5.5Jx14/185/65 R 14 H
Displacement (cc):	1598	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10.5:1		
Engine, type:	in line; 5 main bearings	Steer. wheel turns lock/lock:	3.1
		Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	15.7; 11.6
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	855/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1150/570
Fuel system:	sequential multi point fuel injection	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	74/100 at 6000		
Specific power (kW/l; hp/l):	46.3; 62.6	Top speed (km/h):	188
Max. torque (Nm at 1/min):	150 at 3600	Acceleration 0-100 km/h (sec)*:	11.5
Specific torque (Nm/liter):	93.9	Acc. 80-120 km/h in 5th gear (sec)*:	15
Mean effective pressure at	00.0	Pass-by noise (dBA):	72
max. power/max. torque (kPa):	926.2/1180.1	Fuel:	unleaded premium
Average piston speed (m/s):	16.3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
	3.5	· · · · · · · · · · · · · · · · · · ·	Additional equipment can lead to increased
Engine oil, capacity (I):			consumption and CO_2 values.
Cooling capacity (I):	6.3		urban: 9.5
Battery 12 V, capacity (Ah):	44		extra-urban: 5.5
Alternator 14.2 V, capacity (W):	994		total: 7
		co_{α} amignion (π/lm) :	168
Transmission		CO ₂ emission (g/km): Emission class:	
Drive axle:	front wheel drive	Emission class:	Euro 4
Transmission, type:	manual		
		Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.12 5th ratio: 0.89		hispection. every 50,000 km of once a year
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body		Kelb weight (70156 EEC) and 125 kg payload	
Seats:	5		
	5 0.28*		
Drag coefficient ($c_{\rm p}$):			
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
A . 2 U.L	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra 1.6 16V Z16XE 74kW/100hp 4-speed autom. hatchback 3 doors

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Comparison ratio: 10.5:1 Comparison ratio: 10.5:1 <td></td> <td></td> <td></td> <td></td>				
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gmtoin system: electr., intonin, ipplicon using, ipplicon olid direct to spark plug Fuel tank capacity (0, location: 52, under rear seats Emission control system: 3-way out. conv., wih 2 oxygen sensors Performance Type (NVII) 4100 at 000 78 Specific torge (NMI) 100 at 000 78 Mean effective pressure at man, increased 78 Terestission 78 78				
Evel pump: electric, in tank Even pump: Body (Whp CEE at Kinni): 3.9 way cat. conv. with 2 oxygen sensors Supper (Why CEE at Kinni): 7.4100 at 6600 176 176 Specific power (Why CEE at Kinni): 13.9 178 Specific power (Why CEE): 33.3 178 Specific power (Why CEE): 0.52 178 Specific power (Why CEE): 0.52 178 Englage of (Why): 0.52 178 Specific power (Why): 0.52 188 Specific power (Why): 0.52 188 Specific power (Why): 0.52 188 Specific power (Why): 0.52 185 Specific power (Why): 143				
Emission control system: 3-way cat. corv. with 2 oxygen sensors year (WV: hp1): 43.3 c2.6 // 47100 at 8000 // 45.3 c2.6 // 47100 at 8000 // 45.3 c2.6 // 45.2 c2.			Fuel tank capacity (I), location:	52, under rear seats
Output (Why DEE at 1/min): 74/100 at 6000 1 Specific poor (Why Thy Th): 463, 52,6 Top specific poor (Why Thy): 13 Max. torque (Wm at 1/min): 150 at 3600 128 128 Max. torque (Wm at 1/min): 150 at 3600 128 128 Mean affective pressure at response pace (INN): 13 128 128 Mean affective pressure at response pace (INN): 13 128 128 Versage paion specific (INN): 163 128 <td></td> <td></td> <td></td> <td></td>				
Specific power (KW/K hpf)): 46.3; 62.6 Max. torque (Mm/Her): 100 at 3600 Specific torque (Mm/Her): 73 Specific torque (Mm/Her): 148 Specific torque (Mm/H			Performance	
Max. Torupe (Nm at Ymm); 150 at 3800 Specific trouge (Nm Nite); 33.9 Mean effective pressure at max, power/max, torupe (NPA); 926.2/1180.1 Average piston speed (MS); 16.3 Conting capacity (U); 16.3 Conting capacity (U); 16.3 Conting capacity (U); 6.2 Atternator 1.4.2.V, capacity (W); 6.4 Atternator 1.4.2.V, capacity (W); 6.4 Atternator 1.4.2.V, capacity (W); 94 Transmission 6.2 Dree acke: font wheel drive automatic + lock-up atternator 1.4.2.V, capacity (W); 94 One acke: font wheel drive automatic + lock-up atternator 1.4.2.V, capacity (M); 92.10 ratio: 1.4.8.3 rd ratio: 1.00 Max for and (Mar); fond wheel drive ratio: 4.12. Cuche, type: automatic + lock-up Boody instance (Mar); Cuche, type: 0.20 Bong coefficient (C_1): 0.23 Fond atternation (Mar); 0.26 Drag coefficient (C_1): <t< td=""><td></td><td></td><td>Top speed (km/h):</td><td>178</td></t<>			Top speed (km/h):	178
Spacial corque (Mm.Net). 93.3 Note of the set of the				
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Average piston speed (m/s): 16 a model Average piston speed (m/s): 35 Cooling capacity (f): 35 Cooling capacity (f): 6 Battery 12V, capacity (W): 994 Drive axde: front wheel drive prime and capacity (W): 994 Drive axde: front wheel drive prime and its + lock-up attainatic + lock-up Transmission front wheel drive Drive axde: front wheel drive framsmission, type: attainic : 4.06 tup Gear ratios: front attainic : 1.48 3rd ratio: 1.00 Hu ratio: 0.74 reverse ratio: 2.77 frond attainic : 2.12 and ratio: 1.48 3rd ratio: 1.00 More (a c_x): 0.28' Colume converter * Basic model * Body service intervals: Drig coefficient (c_z): 0.28' Service intervals inspection: every 30,000 km or once a year * Basic model * Kerb weight (70156 EEC) and 125 kg payload * Chassis two it weight pictures in the gas pressure shock absorbers wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers<		026 0/1100 1		
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Cooling capacity (1): 62 Satisty 12V, capacity (M): 44 Atternator 14.2 V, capacity (W): 994 Transmission front wheel drive Transmission, type: automatic + lock-up Barler 12V, capacity (M): 185 Emission (J): front wheel drive Gear ratios: 1st ratio: 2.81 2nd ratio: 1.43 3rd ratio: 1.00 th ratio: 1st ratio: 2.77 final drive ratio: 4.12 reverse ratio: 7.7 Clutch, type: reverse ratio: 2.77 final drive ratio: 4.12 Body * Basic model * Cooling (and (r): * Service intervals: Service intervals: inspection: every 30.000 km or once a year * Basic model * Kerb weight (70156 EEC) and 125 kg payload * Basic model * Kerb weight (70156 EEC) and 125 kg payload * Meel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound loricin beam aute, coll springs, win tube gas pressure shock absorbers Mainel ulu lbar: front Brakes rend, diameter (mm): cutulatid disc. 256 Brakes rend, diameter (mm): cutulatid disc. 256 <td></td> <td></td> <td></td> <td></td>				
Battery 12 V. Capacity (Ab): 44 Battery 12 V. Capacity (M): 994 Atternator 14.2 V. capacity (W): 994 Transmission CO ₂ emission (gkm): 185 Transmission, type: automatic + lock-up Emission (gkm): 185 Gear ratios: 14 tratic: 2.81 2nd ratio: 1.48 3rd ratio: 1.00 Maintenance Wh ratio: 0.74 reverse ratio: 2.77 final drive ratio: 4.12 torque converter torque converter Service intervals: inspection: every 30,000 km or once a year Body Service intervals: inspection: every 30,000 km or once a year Service intervals: 0.28* Forda automatic + lock-up Forda area (A in m?): 0.28* Service intervals: inspection: every 30,000 km or once a year Need suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Mine Suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Service intervals: intervals: intervals: intervals: Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers thin tube gas pressure shock absorbers intervals: intervals: <td< td=""><td></td><td></td><td></td><td></td></td<>				
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Transmission Emission class: Euro 4 Drive axle: front wheel drive automatic + lock-up Gear ratios: 1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00 Maintenance Service intervals: inspection: every 30,000 km or once a year Body *Basic model Service intervals: *Basic model *Clutch, type: 0.28* Body 0.39* Body 0.39* Body 0.39* Chassis 0.39* Chassis 0.39* Chassis independent, wishbone, on subframe, MCPherson struts, twin tube gas pressure shock absorbers twin t	Alternator 14.2 V, capacity (W):	994	CO_{α} emission (a/km).	
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Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Anti roll bar:	front		
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Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Brake circuits:	2, diagonal		
	Brakes front, diameter (mm):			
ABS: option	Brakes rear, diameter (mm):	drum		
	ABS:	option		

Astra 1.6 16V Z16XE 74kW/100hp 5-speed notchback 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4252
		Width (mm):	1709
Engine data			
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	1425
Cooling system:	with liquid, sealed circuit	Wheelbase (mm):	2606
	4	Track front/rear (mm):	1484/1460
Cylinders, number:	-	Luggage capacity (I) ECIE:	460-1230
Bore (mm):	79	Rim width (inch)(mm)/tire size:	5.5Jx14/185/65 R 14 H
Stroke (mm):	81.5	Turning clearance circle/turning circle (m):	10.90/10.25
Displacement (cc):	1598	Steer. wheel turns lock/lock:	3.1
Compression ratio:	10.5:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg)	: 1205/1650/445
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	16.3; 12.1
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	855/820
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1150/570
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/100
Fuel system:	sequential multi point fuel injection	Fuel tank capacity (I), location:	52, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug	r der tank capacity (i), iceation.	
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	74/100 at 6000	Top speed (km/h):	188
		Acceleration 0-100 km/h (sec)*:	11.5
Specific power (kW/l; hp/l):	46.3; 62.6	Acc. 80-120 km/h in 5th gear (sec)*:	15
Max. torque (Nm at 1/min):	150 at 3600	Pass-by noise (dBA):	72
Specific torque (Nm/liter):	93.9	Fuel:	unleaded premium
Mean effective pressure at		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	926.2/1180.1	Fuel consumption (liter/100 km).	
Average piston speed (m/s):	16.3		Additional equipment can lead to increased
Engine oil, capacity (I):	3.5		consumption and CO ₂ values.
Cooling capacity (I):	6.3		urban: 9.6
Battery 12 V, capacity (Ah):	44		extra-urban: 5.6
Alternator 14.2 V, capacity (W):	994		total: 7.1
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		CO ₂ emission (g/km):	171
Transmission		Emission class:	Euro 4
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual		· · · · · · · · · · · · · · · · · · ·
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate	* Basic model	
	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	* Kerb weight (70156 EEC) and 125 kg payload	
Dedu			
Body			
Seats:	5		
Drag coefficient (c _p):	0.28+		
Frontal area (A in m ²):	2.06		
Index (c xA):	0.59⁺		
· · · · ·			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra 1.6 16V Z16XE 74kW/100hp 4-speed autom. notchback 4 doors

bane: 27.02.01 use of the property of the prop	M. I.I.	0004.1/	1	
Engine data Figure solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° forward indired figure, solution: from transverse in funct of axis, 7* 50° formation: from transverse in funct figure, solution: from transverse in funct of axis, 7* 50° formation: from transverse figure, solution: from transverse in funct of axis, 7* 50° formation: from transverse in funct figure, solution: from transverse in funct of axis, 7* 50° formation: from transverse in funct figure, solution: from transverse in funct figure, solution: from transverse in funct, from transverse in funct of axis, 7* 50° formation: from transverse figure, solution: from transverse in funct of axis, 7* 50° formation: from transverse in funct figure, solution: from transverse in funct of axis, 7* 50° formation: from transverse in funct of axis, 7* 50° formation: from transverse in funct of axis, 7* 50° formation: from transverse in funct of axis, 7* 50° formation: from transverse in funct of axis, 7* 50° formation: from transverse in funct of axis, 7* 50° formation: from transve	Model year: Date:	2001 ½ 27 02 01	Weights and dimensions	
Engine Calibi	Date.	27.02.01		
Eng-sector: Tont, transverse in front of ada, 7:40 forward inclined Wite inlam 222 Control system: Wite inlam 443-140 443-140 Control system: 1 443-140 443-140 Control system: 2 443-140 443-140 Control system: 3 443-140 443-140 Contronsystem: <	Engine data			
Coling system: with lapid, suelied ofront terms in the system: terms in	5			
Schuder, number: 4 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '				
Brie (mn): 79 Base (mn): 50.47 Attacks (mn):				
Stacke (m/s): 91.5 91.5 1 Turning Generation (m/s): 10.5 91.10.25 1 10.5 91.10.5 91.10.25 1 10				
Displacement (c): 10.5 f Displacement (c): 20.5 f Displacement (c):				
Compension ratio: nine to call in the same bearings in the same bearing in the				
Engine, type: in line; 5 main basings 340 Carnabalty, Location: 2 overhaad (CDHC); it win by toothe beit 340 Values, arrangement: 4, 4 per cylinder 185, 12.3 Values, arrangement: 4, 4 per cylinder 840 Values, arrangement: 94, 4 per cylinder 840 Values arguingtement: automatic - hydralic 940 Emission control system: edect: syntion may then the dirighted 940 Specific power (MVhr, PDT): 45, 32.4 75/100 Man. Edguar (MVhr, PDT): 45, 32.6 75/100 Man. Edguar (MVhr, PDT): 45, 32.4 75/100 Man. Edguar (MVhr, PDT): 45, 32.6 75/100 Man. Edguar (MVhr, PDT): 45, 32.6 75/100 Man. Edguar (MVhr, PDT): 45, 32.4 75/100 Manarety (MVhr, PDT): 36, 32.1				
Cyfinder Diochhod, material: 2 cast ion/a furnian i Cyfinder Diochhod, material: 2 cast ion/a furnian i Cyfinder Diochhod, material: 2 cast ion/a furnian i Wale I and ion in the function in the function is and in the function is				
Circuited Trip 2 overhead (DOHC), driven by to that delt Prover to weight ratio (driver), that delt Prover to weight ratio (driver), that delt Value triat v/diver transportent: v/diver transportent: Prover to weight ratio (driver), that delt Value triat v/diver transportent: Prover to weight ratio (driver), that delt Prover to weight ratio (driver), that delt Value triat v/diver transportent: Prover to weight ratio (driver), that delt Prover to weight ratio (driver), that delt Value triat Prover to weight ratio (driver), that delt Prover to weight ratio (driver), that delt Prover to weight ratio (driver), that delt Space for ever (WP-that Trim): Prover to weight ratio (driver), that delt Prover to weight ratio (driver), that delt Prover to weight ratio (driver), that delt Space for ever (WP-that Trim): Prover to weight ratio (driver), that delt Prover to weight ratio (driver), that delt Space for ever (WP-that): Prover to weight ratio (driver), that delt Prover to weight ratio (driver), that delt Space for ever (WP-that): Prover to weight ratio (driver), that delt Prover to weight ratio (driver), that delt Space for ever (WP-that): Prover to weight ratio (driver), that delt Prover to weight ratio (driver), that delt Space for ever (WP-that): Prover to weight ratio (driver), that delt Prover to weight ratio (driver), that delt Space for				
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Value a durination - hydraulic grantion system: automation - hydraulic grantion system: 7100 - 10000 - 10000 - 1000 - 10000 - 1000 - 1000 - 1000 - 1000				
Fuel sparse fuel s				
Ignition system: electr. ignition igniton ignition igniti				
Fuel purity: electric, in tank Performance Sinsion control system: sway cat. conv. with 2 oxygen sensors Tap space (MW/h)	Ignition system:			
Emission control system: 3-way cat conv. with 2 oxygen sensors of the function	Fuel pump:		Performance	
Output (Why De CE at Ymin): 74/10 at 6000 178 Specific power (WN): h01): 45.3 (5.2 6 Acceleration (-100 kmh (sec)): 13 Max. torque (Nan 11 min): 150 at 3600 72 Pass-by noise (UBA): 72 Max. torque (Nan 11 min): 93.3 93.3 Pass-by noise (UBA): 72 Wan affective pressure at arc. powerfinax. torque (Nan): 93.3 Pass-by noise (UBA): 72 Wan affective pressure at arc. powerfinax. torque (Nan): 93.4 Pass-by noise (UBA): 72 Verage piblon speed (min): 93.3 16.3 Consumption and CO ₂ values. Values. Verage piblon speed (min): 94.3 Consumption and CO ₂ values. <	Emission control system:			
Max. torque (Vm. at 1/min): 150 at 3600 72 Unleaded premium Max. torque (VP): 93.9 Unleaded premium Measure (Vm. Vm. Vm. Vm. Vm. Vm. Vm. Vm. Vm. Vm.	Output (kW/hp CEE at 1/min):	74/100 at 6000		
Max. torque (Mm at 1/min): 10 a 13600 Pass-97 Mode (dBA); // // // // // // // // // // // // //	Specific power (kW/l; hp/l):			
Manuforder Messeurg in mark proverbank to rouge MP2/100/EU. Messure decording to EU guideline 99/100/EU. Additional equipment can lead to increased consumption (life//100 km): Measure decording to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. Urban: 10.6 extra-urban: 6 total: 7.7 etc. and 10.6 extra-urban: 6 total: 7.7 final drive ratio: 1.48 3rd ratio: 1.00 extra-urban: 1.48 3rd ratio: 1.00 extra-urban: 1.48 3rd ratio: 1.00 extra-urban: 2.77 final drive ratio: 4.12 torque converter torque conve	Max. torque (Nm at 1/min):	150 at 3600		
max. power/max. torque (kPa): 926 2/1180.1 Additional equipment can lead to increased kerrage piton soft 16.3 Conservation Urban: Urban: Madditional equipment can lead to increased conservation 5.3 Conservation Urban: Ur	Specific torque (Nm/liter):	93.9		
Average pitton speed (msp.) 16.3 Average pitton speed (msp.) 3.5 Cooling capacity (f): 3.5 Cooling capacity (f): 4.2 Alternator 14.2 V, capacity (W): 994 Drive axie: fort wheel drive Transmission fort wheel drive Transmission, type: fort wheel drive Transmission (provide and CO, values). 14.3 Transmission (provide and CO, values). 14.3 Transmission (provide and to be composited for the state of the ratios: 1.48 3rd ratio: 1.00 Maintenance Service intervals: inspection: every 30,000 km or once a year The state (Composited for the state of			Fuel consumption (liter/100 km):	
Engine oni, capacity (h): Cooling capacity (h): Battery 12 V, capacity (h): Cooling capacity (h): Battery 12 V, capacity (h): B				Additional equipment can lead to increased
Constrained a basic of (i.e., constrained by (i.e., const				urbon: 10.6
Control grader (1) C2 total: 7.7 Statery 12 /: capacity (W): 994 COp_emission (g/km): 108 Transmission Ton wheel drive Euro 4 Transmission, type: automatic + lock-up Service intervals: Inspection: every 30.000 km or once a year Gear ratios: 1st ratio: 2.21 2/nd ratio: 1.48 3rd ratio: 1.00 * * Service intervals: Inspection: every 30.000 km or once a year Body reverse ratio: 2.77 final drive ratio: 4.12 * Service intervals: Inspection: every 30.000 km or once a year Body reverse ratio: 2.77 final drive ratio: 4.12 * Service intervals: Inspection: every 30.000 km or once a year Seats: 5 Service intervals: Inspection: every 30.000 km or once a year * Seats: 5 Service intervals: Inspection: every 30.000 km or once a year * Wheel suspension front: Independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers * Service intervals: Inspection: every 30.000 km or once a year Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers twin tube gas pressure shock absorbers				
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Transmission Function Transmission Forth wheel drive automatic + lock-up automatic + lock-up Gear ratios: forth wheel drive automatic + lock-up automatic + lock-up Gear ratios: forth wheel drive Gear ratios: forth wheel drive Gear ratios: forth wheel drive Body reverse ratio: 2.77 Clutch, type: torque converter Body Service intervals: Brades converter 5 Drag coefficient (c_1): 0.28* Frontal area (A in m*): 2.06 Index (c_xA): 0.59* Chassis Service intervals: Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Whin tube gas pressure shock absorbers twin tube gas pressure shock absorbers Anti roll bar: 2. diagonal Brakes cord, diameter (mm): dum			CO_{α} emission (a/km):	
Transmission Drive axle: transmission, type: automatic + lock-up Gear ratios: 1st ratio: 2.074 reverse ratio: 2.77 final drive ratio: 4.12 body Body Body Sats: 5 Dreg coefficient (c_,): 0.28* Chushig (c_,k): 0.28* Contact (c_,k): 0.28* Dreg coefficient (c_,): 0.28* Chassis Wheel suspension front: wheel suspension front: wheel suspension rear: compound torsion beam axe, coil springs, twin tube gas pressure shock absorbers Arti roll bar: Brakes car, diameter (mm): yentilized form, independent, wentilized form, independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers trin roll bar: Dreak carcet (mm): Brakes carcet (mm): compound torsion beam axe, coil springs, twin tube gas pressure shock absorbers trin roll bar: Brakes carcet (mm): construction: 2, diagonal Brakes carcet (mm): construction: 2, diagonal Brakes carcet (mm): construction: 2, diagonal Brakes carcet (mm): construction: construction: construction: construction:	Alternator 14.2 V, capacity (VV):	994		
Drive sate: front wheel drive Maintenance Transmission, type: automatic + lock-up Service intervals: inspection: every 30,000 km or once a year Gear ratios: 1st ratio: 2.81 2nd ratio: 1.00 4th ratio: 0.74 reverse ratio: 2.77 final drive ratio: 4.12 Clutch, type: torque converter * Basic model * Service intervals: * Basic model * Stats: 5 * Drig coefficient (c_s): 0.28* Frontal area (A in m?): 0.28* Chassis 5 Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound forsion beam avie, coil springs, twin tube gas pressure shock absorbers Ant iroll bar: 2, diagonal Brakes circuitis: 2, diagonal Brake circuitis: 2, diagonal	Transmission			20.01
Drive axd8: front wheel drive automatic + lock-up Gear ratios: 1st ratic: 2.81 2nd ratic: 1.48 3rd ratio: 1.00 thr ratic: 0.74 reverse ratic: 2.77 final drive ratio: 4.12 torque converter Body Seats: 5 Drag coefficient (c_,): 0.28* Frontal area (h in m ²): 0.59* Chassis Wheel suspension front: win tube gas pressure shock absorbers win tube gas pressure shock absorbers win tube gas pressure shock absorbers Anti roll bar: Brakes errorults: 2. diagonal Brakes front, diameter (mm): drive front			Maintenance	
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4h ratio: 0.74 reverse ratio: 2.77 torque converter * Basic model * Kerb weight (70156 EEC) and 125 kg payload Body Seats: 5 Drag coefficient (c_,): 0.28* Frontal area (A in m ⁹): 0.26* Ober Solution (c_, xA): 0.59* Chassis independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes circuits: 2, digonal reagenter (mm): Brakes rear, diameter (mm): 2, digonal dum			Service intervals.	inspection: every 30,000 km of once a year
Clutch, type: reverse ratio: 2.77 torque converter final drive ratio: 4.12 * Basic model * Kerb weight (70156 EEC) and 125 kg payload Body Seate: 5 Drag coefficient (c_0): 0.28* Frontal area (A in m?): 2.06 Index (c_xA): 0.59* Chassis independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension front: compound torsion beam azle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes 2, diagonal Brake circuits: 2, diagonal Brakes rent, diameter (mm): ventilated disc, 256	Gear ratios:			
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Seats: 5 Drag coefficient (c_): 0.28* Frontal area (A in m ²): 2.06 Index (c , xA): 0.59* Chassis 0.59* Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes front Brakes front, diameter (mm): 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Bady			
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Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes ganal Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum				
twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes ganal Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Chassis			
Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes gagonal Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
Anti roll bar: front Brakes 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum		twin tube gas pressure shock absorbers		
Anti roll bar: front Brakes Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Wheel suspension rear:			
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Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Anti roll bar:	front		
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Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Brakes			
Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Brake circuits:	2, diagonal		
	Brakes front, diameter (mm):	ventilated disc, 256		
ABS: option	Brakes rear, diameter (mm):	drum		
	ABS:	option		

Astra 1.6 16V Z16XE 74kW/100hp 5-speed hatchback 5 doors

Model year:	2001 1/2		
Date:	27.02.01	Weights and dimensions	
Date.	21.02.01	Length (mm):	4110
Engine data		Width (mm):	1709
5		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	79	Opening luggage compartment to ground (mm):	810
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	5.5Jx14/185/65 R 14 H
Displacement (cc):	1598	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	16.3; 12.1
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	855/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1150/570
Fuel system:	sequential multi point fuel injection	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank	i dei tank capacity (i), iocation.	JZ, UNUEL TEAL SEALS
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Destaura	
Output (kW/hp CEE at 1/min):	74/100 at 6000	Performance	
Specific power (kW/I; hp/I):	46.3; 62.6	Top speed (km/h):	188
Max. torque (Nm at 1/min):	150 at 3600	Acceleration 0-100 km/h (sec)*:	11.5
Specific torque (Nm/liter):	93.9	Acc. 80-120 km/h in 5th gear (sec)*:	15
Mean effective pressure at	95.9	Pass-by noise (dBA):	72
max. power/max. torgue (kPa):	926.2/1180.1	Fuel:	unleaded premium
		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	16.3		Additional equipment can lead to increased
Engine oil, capacity (I):	3.5		consumption and CO_2 values.
Cooling capacity (I):	6.3		urban: 9.6
Battery 12 V, capacity (Ah):	44		extra-urban: 5.6
Alternator 14.2 V, capacity (W):	994		total: 7.1
		CO ₂ emission (g/km):	171
Transmission		Emission class:	Euro 4
Drive axle:	front wheel drive		Luio 4
Transmission, type:	manual	Maintananaa	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Maintenance	
	4th ratio: 1.12 5th ratio: 0.89	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate		
Oluten, type.	di y single plate	* Basic model	
Death		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c_p):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59+		
· • •			
Chassis			
	indemendent with the second subferred McDhannes starts		
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		
-	an a c	1	

Astra 1.6 16V Z16XE 74kW/100hp 4-speed autom. hatchback 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
E e el e e el e te		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	79	Opening luggage compartment to ground (mm):	810
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	5.5Jx14/185/65 R 14 H
Displacement (cc):	1598	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (k	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	16.6; 12.3
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	875/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1200/570
Fuel system:	sequential multi point fuel injection	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	74/100 at 6000		170
Specific power (kW/l; hp/l):	46.3; 62.6	Top speed (km/h):	178 13
Max. torque (Nm at 1/min):	150 at 3600	Acceleration 0-100 km/h (sec)*:	72
Specific torque (Nm/liter):	93.9	Pass-by noise (dBA):	
Mean effective pressure at		Fuel: Fuel consumption (liter/100 km):	unleaded premium
max. power/max. torque (kPa):	926.2/1180.1	Fuel consumption (intel/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	16.3		Additional equipment can lead to increased
Engine oil, capacity (I):	3.5		consumption and CO ₂ values. urban: 10.6
Cooling capacity (I):	6.2		
Battery 12 V, capacity (Ah):	44		
Alternator 14.2 V, capacity (W):	994	co amigning (a/km) :	total: 7.7
		CO ₂ emission (g/km): Emission class:	185 Euro 4
Transmission		ETTISSION Class.	Eulo 4
Drive axle:	front wheel drive		
Transmission, type:	automatic + lock-up	Maintenance	
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12		
Clutch, type:	torque converter	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Rody			
Body			
Seats:	5		
Drag coefficient (c_{D}):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
wheel suspension none.	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
Wheel suspension real.	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		

Astra Caravan 1.6 16V Z16XE 74kW/100hp 5-speed station wagon 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4288
		Width (mm):	4288
Engine data		Height (mm):	1465
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	480-1500
Bore (mm):	79	Opening luggage compartment to ground (mm):	886
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	5.5Jx14/185/65 R 14 H
Displacement (cc):	1598	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (ke	g): 1245/1720/475
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	16.8; 12.5
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	855/885
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1100/570
Fuel system: Ignition system:	sequential multi point fuel injection electr. ignition map, ignition coil direct to spark plug	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	electric, in tank	Fuel tank capacity (I), location:	52, under luggage compartment
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Destaura	
Output (kW/hp CEE at 1/min):	74/100 at 6000	Performance	
Specific power (kW/l; hp/l):	46.3; 62.6	Top speed (km/h):	183
Max. torque (Nm at 1/min):	150 at 3600	Acceleration 0-100 km/h (sec)*:	12
Specific torque (Nm/liter):	93.9	Acc. 80-120 km/h in 5th gear (sec)*:	16
Mean effective pressure at		Pass-by noise (dBA):	72
max. power/max. torque (kPa):	926.2/1180.1	Fuel:	unleaded premium
Average piston speed (m/s):	16.3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	3.5		Additional equipment can lead to increased
Cooling capacity (I):	6.3		consumption and CO ₂ values. urban: 9.7
Battery 12 V, capacity (Ah):	44		extra-urban: 5.8
Alternator 14.2 V, capacity (W):	994		total: 7.2
-		CO ₂ emission (g/km):	172
Transmission		Emission class:	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	increation, every 20,000 km or ence a vest
	4th ratio: 1.12 5th ratio: 0.89	Service Intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c_{D}):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
·	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra Caravan 1.6 16V Z16XE 74kW/100hp 4-speed autom. station wagon 5 doors

Model weith: Dist:2001 % 2004Weights and functionsWeights and functionsEngline (Josef)Not asserted in for of adds. 75 %7 forward indiced with (unit):1000 Hights and functions1000 Hights and functionsState (Init): weither manner weith load, seeled drauk weith load				
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Cylindering, number: 4 Cupper 1000000000000000000000000000000000000				
Biose (mm): 70 Constraint (mm): 885 Constraint (mm): 885 Constraint (mm): 10.6.1 Service (mm): 55.4.145806 CR 1.4.1 5.4.145806 CR 1.				
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Englise, type: In line, 5 mail bearings inter, 5 mail bearings inter, 5 mail bearings Cambality, location: 2 overhaal (DOHC), siven by toorhad bat 2 overhaal (DOHC), siven by toorhad bat 380 Value, arrangement: 4 overginder 380 380 Value arrangement: automatic - hydraulic 380 Palle system: automatic - hydraulic 380 Palle system: automatic - hydraulic 380 Cutue types automatic - hydraulic 380 Palle system: automatic - hydraulic 380 Cutue types automatic - hydraulic 380 Cutue types automatic - hydraulic 380 Cutue types 380 380 Average pation pressure: 380 380 Cutue types 480 200 320 Pase types 380 380 Cutue types 380 380 Cutue types 380 380 Cutue types 380 380 Searce system: 380 380 Cutue				
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Fuel system: sequential multi point fuel relations Trailer hook weight/col load (kg): 75/100 Hightion system: 3-way cut corv. with 2 oxygen sensors 52. Under laggage compartment Output (MMP, Foh): 46.3 K2.6 //// 100 at 6000 73. Specific power (KW): Fnh): 10.3 at 6000 72. Specific power (KW): Fnh): 10.3 at 6000 72. Specific power (KW): Fnh): 10.3 at 6000 70. Average piston speed (mn):: 10.3 at 6000 70. Coding capacity (I): 62. 70. 70. Coding capacity (I): 62. 70. 70. Specific power (W): 62. 70.0000 70.00000000000000000000000000000000000			Trailer load braked/unbraked (kg):	
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Fuel pump: electric, in tank Fuel pump: electric, in tank Dutput (Whbp CEE at trimin): 74/100 at 6000 Specific power (WN): 13.3 cool Specific power (WN): 13.3 cool Specific power (NN): 13.5 cool Mean effective pressure at 72 Specific power (NN): 13.5 cool Pass-by noise (BA): 72 Mean effective pressure at 72 Specific power (NN): 13.5 cool Pass-by noise (BA): 72 Mean effective pressure at 72 Specific power (NN): 13.5 cool Pass-by noise (BA): 72 Mean effective power/max. torque (FA): 13.5 cool Pass-by noise (BA): 72 Bates 71 2V, capacity (N): 3.5 cool Bates 71 2V, capacity (N): 3.5 cool Bates 71 2V, capacity (N): 4 Bates 71 2V, capacity (N): 14.3 cir				
Emission control system: 3-way cat. conv. with 2 oxygen sensors Performance Specific power (WW): hop1: 43.8 c.28.6 Tag specific (mth): Tag specific (mth): 13.5 Specific power (WW): hop1: 93.9 93.9 13.5 77.7 Specific trappe (Wnhite): 93.9 unbaaded premum maaded premum Average piston specific (mts): 62.2 13.6 13.6 13.6 Average piston specific (mts): 62.2 13.6 13.6 13.6 Cooling capacity (I): 62.2 13.6 13.6 13.6 Specific trappe (Mnhite): 62.2 13.6 13.6 13.6 Cooling capacity (I): 62.2 14.6 10.7 13.6 Specific trappe (Mnhite): 62.2 13.6 10.7 10.7 10.6 10.7			r der tank capacity (i), location.	oz, under luggage comparament
Output (WMp CEE at Imm): Specific power (WM): ph0]: Max. torque (Wn at Imm): Specific power (WN): ph0]: Max. torque (Wn at Imm): Specific torque (Nn at Imm): 			Derformence	
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Specific forque (Nm/liter): 93.9 Pass by noise (dBA): 72 max. prover/max. troque (kPa): 962 (2/1180.1 unleaded premium Measured according to EU guideline 99.1001/EU. Average piston specif (mS): 3.5 Specific (Mu/liter)' (Mu/liter)' (Mu/liter)') Measured according to EU guideline 99.1001/EU. Additional equipment can lead to increased consumption (liter/100 km): Measured according to EU guideline 99.1001/EU. Advertage piston specif (mS): 9.94 Measured according to EU guideline 99.1001/EU. Advertage piston specif (mS): 9.94 Measured according to EU guideline 99.1001/EU. Atternator 14.2V, capacity (M): 9.94 Measured according to EU guideline 99.1001/EU. Atternator 14.2V, capacity (M): 9.94 Measured according to EU guideline 99.1001/EU. Transmission 44 Measured according to EU guideline 99.1001/EU. Transmission, type: automatio + lock-up Euro 4 Clutch, type: automatio + lock-up reverse ratio: 2.77 final drive ratio: 4.12 measured according to EU guideline 99.10000 km or once a year * Sets: 5 pagoedficient (c, 1): capacity (Mi/liter) Pasic model 'kerto weight (70156 EEC) and 125 kg payload<			Acceleration 0-100 km/h (sec)*:	13.5
Mean effective pressure at max, power/max, torque (kPe); 926,2/1180,1 Puel: Puel: Puel: Mean effective pressure at max, power/max, torque (kPe); 926,2/1180,1 Mean effective pressure at max, power/max, torque (kPe); 926,2/1180,1 Mean effective pressure at max, power/max, power/max, torque (kPe); 926,2/1180,1 Mean effective pressure at max, power/max, power/max, torque (kPe); Mean effective pressure at max, power/max, power/max, torque (kPe); Mean effective pressure at max, power/max, power/max, torque (kPe); Mean effective pressure at max, power/max, torque pressure at power/max, torque pressure at power/max, torque pressure at power/max, torque pressure at power at power/max, torque pressure at power/max, torque pressure at power at power/max, torque pressure at power/max, torque pressure at power at power/max, torque pressure at power at power/max, torque pressure at power at power at power at power/max, torque pressure at power at power at power at power/max, torque pressure at power at power/max, torque pressure at power at power at power at power/max, torque pressure at power at power/max, torque pressure at power at power at power at power/max, torque pressure at power at power/max, torque pressure at power at power/max, tower at power at power at pow			Pass-by noise (dBA):	72
max. power/max. torque (kPa): 26.2 / 1180.1 Measured according to EU guideline 99/100/EU. Average piston speed (m/s): 16.3 Addition 99/100/EU. Engine oil, capacity (0): 3.5 Addition 99/100/EU. Battery 12 V. capacity (M): 44 Maintery 11 (Maintery 11 (Maint		00.0	Fuel:	
Additional equipment can lead to increased proje oil, capacity (1): 6.3 Engine oil, capacity (1): 6.2 Battery 12V, capacity (W): 934 Atternator 14.2 V, capacity (W): 934 Transmission Othe ack: from wheel drive automatic + lock up that all to increased or ratios: from wheel drive automatic + lock up that all to increased or ratios: from wheel drive automatic + lock up that all to increased or ratios: from wheel drive automatic + lock up that all to increased or ratios: from wheel drive automatic + lock up that all to increased or ratios: from wheel drive automatic + lock up that all to increased or ratios: from wheel drive automatic + lock up that all to increased or ratios: from wheel drive automatic + lock up that all to increased or ratios: from wheel drive automatic + lock up that all to increased or ratios: from tall to increased or ratios: from tall to increased or ratios: Clutch, type: from tall to increased or ratios: from tall to increased or ratios: from tall to increased or ratios: from tall to increased or ratio: Drag coefficient (c_i): 5 from tall to increase that bio increased or oppound trision beam axie, coll springs, that to from tall to gas pressure shock absorbers wheel suspension from: from tall to gas pressure shock absorbers thin tube gas pressure shock absorbers wheel suspension from: from tall to increase that to increase that be term informed to increase that to increase that to from tall to increase that to from tall		926 2/1180 1	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (0): 3.5 Consumption and CQ, values. Cooling capacity (0): 44 urban: 10.7 Battery 12 V, capacity (W): 994 CO_2 emission (gkm): 190 Transmission 190 190 Drive axle: front wheel drive 190 Transmission, type: automatic + lock-up startis: 190 Gear ratios: 1 tratis: 281 2nd ratio: 1.48 3rd ratio: 1.00 4th ratio: 0.74 service intervals: inspection: every 30,000 km or once a year Hin ratio: 0.74 reverse ratio: 2.77 final drive ratio: 4.12 Service intervals: inspection: every 30,000 km or once a year Sets: 5 Service intervals: inspection: every 30,000 km or once a year * Seats: 5 Service intervals: inspection: every 30,000 km or once a year * Seats: 5 Service intervals: inspection: every 30,000 km or once a year * Seats: 5 Service intervals: inspection: every 30,000 km or once a year * Wheel suspension front: 0.62 Service intervals: inspection: every 30,000 km or once a year * Wheel suspension front: 0.59* Service intervals: inspec				
Coding capacity (1): ''''''''''''''''''''''''''''''''''''	Engine oil capacity (I):			consumption and CO ₂ values.
Battery 12 V. capacity (W): 94 Atternator 14.2 V. capacity (W): 94 Atternator 14.2 V. capacity (W): 94 Atternator 14.2 V. capacity (W): 94 Drive axe: front wheel drive Drive axe: front wheel drive automatic + lock-up Battery (Table) Gear ratio: 2.81 cm/dia: Clutch, type: automatic + lock-up Clutch, type: automatic + lock-up Clutch, type: torque converter Body *Basic model Seats: 5 Drog coefficient (c.,): 7.9 Frontal area (h in m?): 0.28* Protein area: compound torsion beam axte, coll springs, twin tube gas pressure shock absorbers Wheel suppension front: twin tube gas pressure shock absorbers Wheel suppension front: twin tube gas pressure shock absorbers Wheel suppension front: twin tube gas pressure shock absorbers Hoil area tront Brakes front, diameter (mm): 2, diagonal	Cooling capacity (I):			
Atternator 14.2 V, capacity (W): 994 Diferent 2.0 (capacity (W): 7.9 Transmission Transmission front wheel drive 100 100 Transmission, type: automatic + lock-up Euro 4 Euro 4 Gear ratios: 1st ratio: 0.14 ardio: 1.48 3rd ratio: 1.00 Maintenance Service intervals: inspection: every 30,000 km or once a year Clutch, type: torque converter 5 Service intervals: inspection: every 30,000 km or once a year Seats: 5 Service intervals: Service intervals: inspection: every 30,000 km or once a year Chassis 5 Service intervals: Service intervals: Service intervals: Service intervals: Wheel suppension front: 0.28* 5 Service intervals: Service intervals: Wheel suppension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Service intervals: Service intervals: Antiroll Dar: Congendent Congendent Service intervals: Service intervals: Service intervals: Brakes front, diameter (mm): Congendent Service intervals: Service intervals: Service intervals: Service intervals:				extra-urban: 6.2
Transmission 190 Drive axle: front wheel drive automatic + lock-up Emission class: Gear ratio: 1st ratio: 2.81 2 ratio: 1.48 3rd ratio: 1.00 4th ratio: 0.74 reverse ratio: 2.77 froue exter: final drive ratio: 4.12 Clutch, type: 5 Drag coefficient (c_s): 0.28* Front area (A in m ³): 0.28* Index (c_sxA): 0.28* Chassis independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Vheel suspension rear: compound torsion beam ade, coil springs, twin tube gas pressure shock absorbers Anti roll bar: 2, diagonal Brakes front, diameter (mm): 2, diagonal Brakes front, diameter (mm): 2, diagonal				total: 7.9
Transmission Emission class: Euro 4 Drive adie: fransmission, type: dear ratios: front wheel drive automatic + lock-up 1st ratio: 2.31 2nd ratio: 1.48 3rd ratio: 1.00 thratic usics: Maintenance Service intervals: inspection: every 30,000 km or once a year Clutch, type: torque converter ************************************		334	CO ₂ emission (g/km):	190
Drive sale: Transmission, type: Gear ratios: front wheel drive automatic + lock-up that ratio: 2.127 final drive ratio: 4.12 Maintenance Service intervals: inspection: every 30,000 km or once a year Clutch, type: **Basic model *crewsre ratio: 2.77 final drive ratio: 4.12 **Basic model *kerb weight (70156 EEC) and 125 kg payload Body Seats: 5 5 5 Drag coefficient (c_5): 0.28* Front al area (A in m?): 0.29* Other (c_aA): 0.59* Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Anti roll bar: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Anti roll bar: twin tube gas pressure shock absorbers twin tube gas pressure shock absorbers front absorbers Brakes front, diameter (mm); Brakes reart, diameter (mm); Brakes reart, diameter (mm); 2, diagonal venillated disc., 256	Transmission			
Transmission, type: automatic + lock-up 1st ratio: 2.81 2ud ratio: 1.48 3rd ratio: 1.00 4th ratio: 0.74 reverse ratio: 2.77 final drive ratio: 4.12 Clutch, type: Service intervals: inspection: every 30,000 km or once a year Clutch, type: Torque converter * Basic model * Kerb weight (70156 EEC) and 125 kg payload Service intervals: 0.28* * Clutch, is pection: every 30,000 km or once a year Service intervals: 0.28* * Reb weight (70156 EEC) and 125 kg payload Prontal read (n m?): 0.28* * Service intervals: Service intervals: 5 Drag coefficient (c ₀): 0.28* * Service intervals: Frontal area (a in m?): 0.28* * Service intervals: Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Ant iroll bar: ront Brakes reart, diameter (mm): 2, diagonal Brakes reart, diameter (mm): Brakes reart, diameter (mm): 2, diagonal rum				
Service intervals: inspection: every 30,000 km or once a year Gear ratios: if ratio: 2.37 / final drive ratio: 4.12 Clutch, type: torque converter Body * Basic model Seats: 5 Drag coefficient (c_): 0.28* Frontal area (A in m*): 0.26* Index (c_xA): 0.59* Chassis independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Brakes font, diameter (mm): ventilated disc, 256 Brakes font, diameter (mm): ventilated disc, 256			Maintenance	
Cutuch, type: * Basic model Body * Seats: 5 Drag coefficient (c_,): 0.28* Frontal area (A im m?): 0.26 Index (c_wA): 0.59* Chassis * Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension front: independent, wishbone, coll springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes 2, diagonal Brakes front, diameter (mm): 2, diagonal Brakes front, diameter (mm): 4 rum):	Transmission, type:			·
Clutch, type: reverse ratio: 2.77 final drive ratio: 4.12 torque converter * Basic model Body * Easic model Seats: 5 Orrag coefficient (c_v): 0.28* Frontal area (A in mP): 2.06 Index (c_wA): 0.59* Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes 2. diagonal Brake circuits: 2. diagonal Brake stront, diameter (mm): 2. diagonal Brakes front, diameter (mm): ventilated disc, 256	Gear ratios:		Service intervals:	inspection: every 30,000 km or once a year
Clutch, type: torque converter * Basic model * Kerb weight (70156 EEC) and 125 kg payload Seats: 5 Drag coefficient (c_{0}): 0.28* Frontal area (A in m ³): 0.59* Chassis 0.59* Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: coll appressure shock absorbers Anti roll bar: front Brakes 2, diagonal Brakes front, diameter (mm): 2, diagonal Brakes front, diameter (mm): 2, diagonal		4th ratio: 0.74		
Body *Kerb weight (70156 EEC) and 125 kg payload Seats: 5 Drag coefficient (c_0): 0.28* Frontal area (A in m ²): 2.06 Index (c_xA): 0.59* Chassis wheel suspension front: Wheel suspension rear: compondent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compondent, coll springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes ront Brakes front, diameter (mm): 2, diagonal Brakes front, diameter (mm): 2, diagonal Brakes front, diameter (mm): 0, diametal		reverse ratio: 2.77 final drive ratio: 4.12		
Body 5 Seats: 5 Drag coefficient (c_s): 0.28' Frontal area (A in m ²): 2.06 Index (c_wXA): 0.59' Chassis 0.59' Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes front Brake circuits: 2, diagonal Brake sfront, diameter (mm): ventilated disc, 256 Brakes rent, diameter (mm): drum	Clutch, type:	torque converter		
Seads:5Drag coefficient (c_b):0.28"Prontal area (A in m?):2.06Index (c_xA):0.59"Chassisindependent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbersWheel suspension front:independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbersWheel suspension rear:compound torsion beam axle, coil springs, twin tube gas pressure shock absorbersAnti roll bar:frontBrakes2, diagonalBrake circuits:2, diagonalBrakes front, diameter (mm):yentiated disc, 256Brakes front, diameter (mm):drum			Kerb weight (70156 EEC) and 125 kg payload	
Seads:5Drag coefficient (c_b):0.28"Prontal area (A in m?):2.06Index (c_xA):0.59"Chassisindependent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbersWheel suspension front:independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbersWheel suspension rear:compound torsion beam axle, coil springs, twin tube gas pressure shock absorbersAnti roll bar:frontBrakes2, diagonalBrake circuits:2, diagonalBrakes front, diameter (mm):yentiated disc, 256Brakes front, diameter (mm):drum	Body			
Drag coefficient (c_,): 0.28* Frontal area (A in m ²): 2.06 Index (c_,xA): 0.59* Chassis Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes front Brake circuits: 2, diagonal Brakes front, diameter (mm): 2, diagonal Brakes frear, diameter (mm): drum	5	5		
Frontal area (A in m ²): 2.06 Index (c wA): 0.59' Chassis Independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes 2, diagonal Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum				
Index (c xA): 0.59* Chassis independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes 2, diagonal Brakes front, diameter (mm): 2, diagonal Brakes rear, diameter (mm): ortun				
Chassis Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum				
Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes z, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	index (C _w XA).	0.59		
Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes z, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Oharasia			
Wheel suspension rear: twin tube gas pressure shock absorbers Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes front Brakes front, diameter (mm): 2, diagonal Brakes rear, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Chassis			
Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers Anti roll bar: front Brakes graphical disc, 256 Brakes rear, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
Anti roll bar: twin tube gas pressure shock absorbers Anti roll bar: front Brakes 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum		twin tube gas pressure shock absorbers		
Anti roll bar: front Brakes 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum	Wheel suspension rear:	compound torsion beam axle, coil springs,		
Brakes 2, diagonal Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum		twin tube gas pressure shock absorbers		
Brake circuits:2, diagonalBrakes front, diameter (mm):ventilated disc, 256Brakes rear, diameter (mm):drum	Anti roll bar:	front		
Brake circuits:2, diagonalBrakes front, diameter (mm):ventilated disc, 256Brakes rear, diameter (mm):drum				
Brake circuits:2, diagonalBrakes front, diameter (mm):ventilated disc, 256Brakes rear, diameter (mm):drum	Brakes			
Brakes front, diameter (mm): ventilated disc, 256 Brakes rear, diameter (mm): drum				
Brakes rear, diameter (mm): drum				
ABS: Option				
	ABS:	option		

Astra 1.7 DTI 16V Y17DT 55kW/75hp 5-speed hatchback 3 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
– · · ·		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	79	Opening luggage compartment to ground (mm):	810
Stroke (mm):	86	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1686	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	18.4:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	direct, bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	22.9; 16.8
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	935/820
Valve adjustment:	manual	Trailer load braked/unbraked (kg):	1150/600
Fuel system:	diesel direct injection	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	mechanical	Fuel tank capacity (I), location:	52, under rear seats
Emission control system:	oxidizing catalytic converter		52, under tear sears
Charger system:	turbocharger		
Output (kW/hp CEE at 1/min):	55/75 at 4400	Performance	
Specific power (kW/l; hp/l):	32.6; 44.5	Top speed (km/h):	170
Max. torque (Nm at 1/min):	165 at 1800	Acceleration 0-100 km/h (sec)*:	14.5
Specific torque (Nm/liter):	97.9	Acc. 80-120 km/h in 5th gear (sec)*:	18
Mean effective pressure at	97.9	Pass-by noise (dBA):	73
	880 7/4000 4	Fuel:	diesel
max. power/max. torque (kPa):	889.7/1230.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	12.6		Additional equipment can lead to increased
Engine oil, capacity (l):	4.5		consumption and CO_2 values.
Cooling capacity (I):	7.1		urban: 6.1
Battery 12 V, capacity (Ah):	70		extra-urban: 4.0
Alternator 14.2 V, capacity (W):	994		total: 4.8
		CO_2 emission (g/km):	130
Transmission		Emission class:	Euro 3
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31		
	4th ratio: 0.95 5th ratio: 0.76	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.55		
Clutch, type:	dry single plate		
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
5			
Seats:	5		
Drag coefficient (c_{D}):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
wheel suspension none.	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
wheel suspension real.	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Anti Toli Dal.	liont		
Brakas			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra 1.7 DTI 16V Y17DT 55kW/75hp 5-speed notchback 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4252
		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1230
Bore (mm):	79	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Stroke (mm):	86	Turning clearance circle/turning circle (m):	10.90/10.25
Displacement (cc):	1686	Steer. wheel turns lock/lock:	3.1
Compression ratio:	18.4:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	23.3; 17.1
Valve train:	direct, bucket tappets	Max. axle load front/rear (kg):	935/820
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1150/600
Valve adjustment:	manual	Trailer hook weight/roof load (kg):	75/100
Fuel system:	diesel direct injection	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	mechanical		
Emission control system:	oxidizing catalytic converter	Performance	
Charger system:	turbocharger		
Output (kW/hp CEE at 1/min):	55/75 at 4400	Top speed (km/h):	170
Specific power (kW/l; hp/l):	32.6; 44.5	Acceleration 0-100 km/h (sec)*:	14.5
Max. torque (Nm at 1/min):	165 at 1800	Acc. 80-120 km/h in 5th gear (sec)*:	18
Specific torque (Nm/liter):	97.9	Pass-by noise (dBA):	73
Mean effective pressure at		Fuel:	diesel
max. power/max. torque (kPa):	889.7/1230.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	12.6		Additional equipment can lead to increased
Engine oil, capacity (I):	4.5		consumption and CO ₂ values.
Cooling capacity (I):	7.1		urban: 6.1
Battery 12 V, capacity (Ah):	70		extra-urban: 4.0
Alternator 14.2 V, capacity (W):	994		total: 4.8
		CO ₂ emission (g/km):	130
Transmission		Emission class:	Euro 3
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31		
	4th ratio: 0.95 5th ratio: 0.76		
	reverse ratio: 3.31 final drive ratio: 3.55	* Basic model	
Clutch, type:	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
		Kerb weight (10130 EEC) and 123 kg payload	
Body			
Seats:	5		
Drag coefficient (c,):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Prokoo			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra 1.7 DTI 16V Y17DT 55kW/75hp 5-speed hatchback 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
— · · ·		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	79	Opening luggage compartment to ground (mm):	810
Stroke (mm):	86	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1686	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	18.4:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum		380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Steering wheel outside diameter (mm): Kerb weight/max. allowable weight/additional load (kg	
Valve train:	direct, bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	23.3; 17.1
Valve, arrangement:	v; 4 per cylinder		935/820
Valve adjustment:	manual	Max. axle load front/rear (kg): Trailer load braked/unbraked (kg):	1150/600
Fuel system:	diesel direct injection		
Fuel pump:	mechanical	Trailer hook weight/roof load (kg):	75/100
Emission control system:	oxidizing catalytic converter	Fuel tank capacity (I), location:	52, under rear seats
Charger system:	turbocharger		
Output (kW/hp CEE at 1/min):	55/75 at 4400	Performance	
		Top speed (km/h):	170
Specific power (kW/l; hp/l):	32.6; 44.5	Acceleration 0-100 km/h (sec)*:	14.5
Max. torque (Nm at 1/min):	165 at 1800	Acc. 80-120 km/h in 5th gear (sec)*:	18
Specific torque (Nm/liter):	97.9	Pass-by noise (dBA):	73
Mean effective pressure at		Fuel:	diesel
max. power/max. torque (kPa):	889.7/1230.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	12.6		Additional equipment can lead to increased
Engine oil, capacity (I):	4.5		
Cooling capacity (I):	7.1		consumption and CO ₂ values. urban: 6.1
Battery 12 V, capacity (Ah):	70		extra-urban: 4.0
Alternator 14.2 V, capacity (W):	994		
		co amignion $(\sigma/l/m)$:	total: 4.8
Transmission		CO ₂ emission (g/km): Emission class:	130
Drive axle:	front wheel drive	Emission class:	Euro 3
Transmission, type:	manual	•••	
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31	Maintenance	
Gear Tallos.	4th ratio: 0.95 5th ratio: 0.76	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.55		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c_):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Prokoo			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra Caravan 1.7 DTI 16V Y17DT 55kW/75hp 5-speed station wagon 5 doors

Model vear:	2001 ½	Maighte and dimensions	
Date:	27.02.01	Weights and dimensions	
		Length (mm):	4288
Engine data		Width (mm):	1709
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	1465 2611
Cooling system:	with liquid, sealed circuit	Wheelbase (mm): Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	480-1500
Bore (mm):	79	Opening luggage compartment to ground (mm):	886
Stroke (mm):	86	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1686	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	18.4:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	g): 1320/1795/475
Valve train:	direct, bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	24.0; 17.6
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	965/885
Valve adjustment:	manual	Trailer load braked/unbraked (kg):	1100/600
Fuel system:	diesel direct injection	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	mechanical	Fuel tank capacity (I), location:	52, under luggage compartment
Emission control system: Charger system:	oxidizing catalytic converter turbocharger		
Output (kW/hp CEE at 1/min):	55/75 at 4400	Performance	
Specific power (kW/l; hp/l):	32.6; 44.5	Top speed (km/h):	165
Max. torque (Nm at 1/min):	165 at 1800	Acceleration 0-100 km/h (sec)*:	15
Specific torque (Nm/liter):	97.9	Acc. 80-120 km/h in 5th gear (sec)*:	20
Mean effective pressure at		Pass-by noise (dBA):	73
max. power/max. torque (kPa):	889.7/1230.4	Fuel:	diesel
Average piston speed (m/s):	12.6	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	4.5		Additional equipment can lead to increased
Cooling capacity (I):	7.1		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	70		urban: 6.2
Alternator 14.2 V, capacity (W):	994		extra-urban: 4.1
		CO ₂ emission (g/km):	total: 4.9 132
Transmission		Emission class:	Euro 3
Drive axle:	front wheel drive		Euros
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31		
	4th ratio: 0.95 5th ratio: 0.76	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.55		
Clutch, type:	dry single plate	t Danie werdel	
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	5		
Drag coefficient (c,):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
(w)			
Chassis			
Wheel suspension front:	independent wishbana an subframe McDharaan strute		
wheel suspension nont.	independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
wheel suspension real.	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
	2 diagonal		
Brake circuits: Brakes front, diameter (mm):	2, diagonal ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		
	opiion	1	

Astra Comfort 1.8 16V Z18XE 92kW/125hp 5-speed hatchback 3 doors

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Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	80.5		810
Stroke (mm):	88.2	Opening luggage compartment to ground (mm):	
Displacement (cc):	1796	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Compression ratio:		Turning clearance circle/turning circle (m):	10.90/10.25
	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	13.2; 9.7
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	875/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1300/605
Fuel system:	sequential multi point fuel injection (SFI), Simtec MS 71	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Derformence	
Output (kW/hp CEE at 1/min):	92/125 at 5600	Performance	
Specific power (kW/l; hp/l):	51.2; 69.6	Top speed (km/h):	205
Max. torque (Nm at 1/min):	170 at 3800	Acceleration 0-100 km/h (sec)*:	9.5
		Acc. 80-120 km/h in 5th gear (sec)*:	13
Specific torque (Nm/liter):	94.7	Pass-by noise (dBA):	73
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	1097.7/1190.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	16.5		Additional equipment can lead to increased
Engine oil, capacity (I):	4.25		
Cooling capacity (I):	6.5		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	55		urban: 11.0
Alternator 14.2 V, capacity (W):	994		extra-urban: 6.0
			total: 7.8
Transmission		CO ₂ emission (g/km):	187
		Emission class:	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41		· · · · · · · · · · · · · · · · · · ·
	4th ratio: 1.12 5th ratio: 0.89	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate		
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
5			
Seats:	5		
Drag coefficient (c _p):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c _w xA):	0.59+		
· w /			
Chassis			
Chassis			
Chassis Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers		
Wheel suspension front:	twin tube gas pressure shock absorbers compound torsion beam axle, coil springs,		
Wheel suspension front:	twin tube gas pressure shock absorbers		
Wheel suspension front: Wheel suspension rear:	twin tube gas pressure shock absorbers compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers		
Wheel suspension front: Wheel suspension rear: Anti roll bar:	twin tube gas pressure shock absorbers compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers		
Wheel suspension front: Wheel suspension rear: Anti roll bar: Brakes	twin tube gas pressure shock absorbers compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers front		
Wheel suspension front: Wheel suspension rear: Anti roll bar:	twin tube gas pressure shock absorbers compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers front 2, diagonal		
Wheel suspension front: Wheel suspension rear: Anti roll bar: Brakes	twin tube gas pressure shock absorbers compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers front		
Wheel suspension front: Wheel suspension rear: Anti roll bar: Brakes Brake circuits:	twin tube gas pressure shock absorbers compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers front 2, diagonal		
Wheel suspension front: Wheel suspension rear: Anti roll bar: Brakes Brake circuits: Brakes front, diameter (mm):	twin tube gas pressure shock absorbers compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers front 2, diagonal ventilated disc, 256 disc, 240		
Wheel suspension front: Wheel suspension rear: Anti roll bar: Brakes Brake circuits: Brakes front, diameter (mm): Brakes rear, diameter (mm):	twin tube gas pressure shock absorbers compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers front 2, diagonal ventilated disc, 256		

Astra Comfort 1.8 16V Z18XE 92kW/125hp 4-speed autom. hatchback 3 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
		Width (mm):	1709
Engine data			1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm): Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Track front/rear (mm):	1464/1452
	•	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	80.5	Opening luggage compartment to ground (mm):	810
Stroke (mm):	88.2	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Displacement (cc):	1796	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (k	g): 1235/1680/445
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	13.4; 9.9
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	895/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1300/605
Fuel system:	sequential multi point fuel injection (SFI), Simtec MS 71	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank	i dei tank capacity (i), iocation.	
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	92/125 at 5600	Performance	
		Top speed (km/h):	198
Specific power (kW/I; hp/I):	51.2; 69.6	Acceleration 0-100 km/h (sec)*:	11
Max. torque (Nm at 1/min):	170 at 3800	Pass-by noise (dBA):	71
Specific torque (Nm/liter):	94.7	Fass-by hoise (dBA).	unleaded premium
Mean effective pressure at			
max. power/max. torque (kPa):	1097.7/1190.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	16.5		Additional equipment can lead to increased
Engine oil, capacity (I):	4.25		consumption and CO ₂ values.
Cooling capacity (I):	6.4		urban: 12.0
Battery 12 V, capacity (Ah):	55		extra-urban: 6.6
Alternator 14.2 V, capacity (W):	994		total: 8.6
	001	CO_2 emission (g/km):	207
T		Emission class:	Euro 4
Transmission			
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	automatic + lock-up		
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12		
Clutch, type:		* Basic model	
Ciuten, type.	torque converter	* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c,):	0.28*		
Frontal area (A in m^2):	2.06		
Index (c _w xA):	0.59^{+}		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
wheel suspension none.	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
	0 diagonal		
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	disc, 240		
ABS:	option		
TC Plus:	option		

Astra Comfort 1.8 16V Z18XE 92kW/125hp 5-speed notchback 4 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01		1050
		Length (mm):	4252
Engine data		Width (mm):	1709
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	1425
		Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1230
Bore (mm):	80.5	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Stroke (mm):	88.2	Turning clearance circle/turning circle (m):	10.90/10.25
Displacement (cc):	1796	Steer. wheel turns lock/lock:	3.1
Compression ratio:	10.5:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (k	g): 1235/1680/445
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	13.4; 9.9
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	875/820
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1300/605
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/100
Fuel system:	sequential multi point fuel injection (SFI), Simtec MS 71	Fuel tank capacity (I), location:	52, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug	i dei tank capacity (i), iocation.	
Fuel pump:	electric, in tank	Destaura	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	92/125 at 5600	Top speed (km/h):	205
Specific power (kW/l; hp/l):	51.2; 69.6	Acceleration 0-100 km/h (sec)*:	9.5
Max. torque (Nm at 1/min):	170 at 3800	Acc. 80-120 km/h in 5th gear (sec)*:	13
Specific torque (Nm/liter):		Pass-by noise (dBA):	73
	94.7	Fuel:	unleaded premium
Mean effective pressure at	1007 7/1100 0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	1097.7/1190.0		Additional equipment can lead to increased
Average piston speed (m/s):	16.5		consumption and CO_2 values.
Engine oil, capacity (I):	4.25		urban: 11.0
Cooling capacity (I):	6.5		extra-urban: 6.0
Battery 12 V, capacity (Ah):	55		
Alternator 14.2 V, capacity (W):	994		total: 7.8
		CO ₂ emission (g/km):	187
Transmission		Emission class:	Euro 4
	for a first set of the set of the set		
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41		inspection. every 50,000 km of once a year
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 3.74	* Basic model	
Clutch, type:	dry single plate		
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
-	5		
Seats:	5		
Drag coefficient (c_{p}) :	0.28*		
Frontal area (A in m ²):	2.06		
Index (c _w xA):	0.59+		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
wheel suspension none.			
340	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2 diagonal		
	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	disc, 240		
ABS:	option		
TC Plus:	option		

Astra Comfort 1.8 16V Z18XE 92kW/125hp 4-speed autom. notchback 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4252
Engine data		Width (mm):	1709
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	1425
		Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1230
Bore (mm):	80.5	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Stroke (mm):	88.2	Turning clearance circle/turning circle (m):	10.90/10.25
Displacement (cc):	1796	Steer. wheel turns lock/lock:	3.1
Compression ratio:	10.5:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	a): 1255/1700/445
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	13.6; 10.0
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	895/820
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1300/605
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/100
Fuel system:	sequential multi point fuel injection (SFI), Simtec MS 71	Fuel tank capacity (I), location:	52, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		52, under real seals
Fuel pump:	electric, in tank		
		Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h):	198
Output (kW/hp CEE at 1/min):	92/125 at 5600	Acceleration 0-100 km/h (sec)*:	11
Specific power (kW/l; hp/l):	51.2; 69.6		71
Max. torque (Nm at 1/min):	170 at 3800	Pass-by noise (dBA):	
Specific torque (Nm/liter):	94.7	Fuel:	unleaded premium
Mean effective pressure at		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	1097.7/1190.0		Additional equipment can lead to increased
Average piston speed (m/s):	16.5		consumption and CO ₂ values.
Engine oil, capacity (I):	4.25		urban: 12.0
Cooling capacity (I):	6.4		extra-urban: 6.6
Battery 12 V, capacity (Ah):	55		total: 8.6
Alternator 14.2 V, capacity (W):	994	CO ₂ emission (g/km):	207
Alternator 14.2 V, capacity (VV).	554	Emission class:	Euro 4
T i			
Transmission		Maintenance	
Drive axle:	front wheel drive		
Transmission, type:	automatic + lock-up	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		
	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12	* Basic model	
Clutch, type:	torque converter	* Kerb weight (70156 EEC) and 125 kg payload	
Oluton, type.			
Dedu			
Body			
Seats:	5		
Drag coefficient (c,):	0.28+		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
	0.00		
Chassis			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
	nom		
Drokoo			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	disc, 240		
ABS:	option		
TC Plus:			
	option		

Astra Comfort 1.8 16V Z18XE 92kW/125hp 5-speed hatchback 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
		Width (mm):	1709
Engine data			1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm): Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Track front/rear (mm):	1464/1452
		Luggage capacity (I) ECIE:	370-1180
Bore (mm):	80.5	Opening luggage compartment to ground (mm):	810
Stroke (mm):	88.2	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Displacement (cc):	1796	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg): 1235/1680/445
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	13.4; 9.9
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	875/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1300/605
Fuel system:	sequential multi point fuel injection (SFI), Simtec MS 71	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Derformence	
Output (kW/hp CEE at 1/min):	92/125 at 5600	Performance	
Specific power (kW/l; hp/l):	51.2; 69.6	Top speed (km/h):	205
Max. torque (Nm at 1/min):	170 at 3800	Acceleration 0-100 km/h (sec)*:	9.5
Specific torque (Nm/liter):	94.7	Acc. 80-120 km/h in 5th gear (sec)*:	13
Mean effective pressure at	94.7	Pass-by noise (dBA):	73
		Fuel:	unleaded premium
max. power/max. torque (kPa):	1097.7/1190.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	16.5		Additional equipment can lead to increased
Engine oil, capacity (I):	4.25		
Cooling capacity (I):	6.5		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	55		urban: 11.0
Alternator 14.2 V, capacity (W):	994		extra-urban: 6.0
			total: 7.8
Transmission		CO ₂ emission (g/km):	187
		Emīssion class:	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41		in an atting a second large an
	4th ratio: 1.12 5th ratio: 0.89	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate		
		⁺ Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
	_		
Seats:	5		
Drag coefficient (c _p):	0.28*		
Frontal area (A in m²):	2.06		
Index (c "xA):	0.59*		
Chassis			
	independent with here an autoframe. MaDhannan atouta		
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
	0 diagonal		
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	disc, 240		
ABS:	option		
TC Plus:	option		

Astra Comfort 1.8 16V Z18XE 92kW/125hp 4-speed autom. hatchback 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
Engine data		Width (mm):	1709
		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	80.5	Opening luggage compartment to ground (mm):	810
Stroke (mm):	88.2	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Displacement (cc):	1796	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings		
Cylinder block/head, material:	cast iron/aluminum	Steering, ratio:	electrhydr. power steering, 17
		Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (ke	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	13.6; 10.0
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	895/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1300/605
Fuel system:	sequential multi point fuel injection (SFI), Simtec MS 71	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Destaura	
Output (kW/hp CEE at 1/min):	92/125 at 5600	Performance	
		Top speed (km/h):	198
Specific power (kW/l; hp/l):	51.2; 69.6	Acceleration 0-100 km/h (sec)*:	11
Max. torque (Nm at 1/min):	170 at 3800		71
Specific torque (Nm/liter):	94.7	Pass-by noise (dBA):	
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	1097.7/1190.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	16.5		Additional equipment can lead to increased
Engine oil, capacity (I):	4.25		consumption and CO ₂ values.
Cooling capacity (I):	6.4		urban: 12.0
Battery 12 V, capacity (Ah):	55		extra-urban: 6.6
			total: 8.6
Alternator 14.2 V, capacity (W):	994	CO ₂ emission (g/km):	207
		Emission class:	Euro 4
Transmission		Emission class:	Euro 4
	front whool drive		
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	automatic + lock-up	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00	Gervice Intervals.	inspection. every 50,000 km of once a year
	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12		
Clutch, type:	torque converter	* Basic model	
, , , ,		* Kerb weight (70156 EEC) and 125 kg payload	
Dady			
Body			
Seats:	5		
Drag coefficient (c _s):	0.28+		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
	0.59		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
wheel suspension none.			
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	disc, 240		
ABS:	option		
TC Plus:	option		
101100.	option		

Astra Caravan Comfort 1.8 16V Z18XE 92kW/125hp 5-speed station wagon 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4288
		Width (mm):	1709
Engine data		Height (mm):	1465
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	480-1500
Bore (mm):	80.5	Opening luggage compartment to ground (mm):	886
Stroke (mm):	88.2	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Displacement (cc):	1796	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	13.9; 10.2
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	875/885
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1250/630
Fuel system:	sequential multi point fuel injection (SFI), Simtec MS 71	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under luggage compartment
Fuel pump:	electric, in tank		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	92/125 at 5600		
Specific power (kW/l; hp/l):	51.2; 69.6	Top speed (km/h):	200
Max. torque (Nm at 1/min):	170 at 3800	Acceleration 0-100 km/h (sec)*:	10
Specific torque (Nm/liter):	94.7	Acc. 80-120 km/h in 5th gear (sec)*:	14
Mean effective pressure at		Pass-by noise (dBA):	73
max. power/max. torque (kPa):	1097.7/1190.0	Fuel:	unleaded premium
Average piston speed (m/s):	16.5	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	4.25		Additional equipment can lead to increased
Cooling capacity (I):	6.5		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	55		urban: 11.1
Alternator 14.2 V, capacity (W):	994		extra-urban: 6.2
			total: 8.0
Transmission		CO ₂ emission (g/km):	192
Drive axle:	front wheel drive	Emīssion class:	Euro 4
	manual		
Transmission, type: Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Maintenance	
Geal Tallos.	4th ratio: 1.12 5th ratio: 0.89	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate		
Ciucii, type.	ury single plate	* Basic model	
D. J		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c _p):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
wheel suspension none.	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
wheel suspension real.	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Anti Toli bai.	nont		
Brakes			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	disc, 240		
ABS:	option		
TC Plus:	option		

Astra Caravan Comfort 1.8 16V Z18XE 92kW/125hp 4-speed autom. station wagon 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4288
		Width (mm):	1709
Engine data		Height (mm):	1465
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit		1464/1452
Cylinders, number:	4	Track front/rear (mm):	480-1500
Bore (mm):	80.5	Luggage capacity (I) ECIE:	
		Opening luggage compartment to ground (mm):	886
Stroke (mm):	88.2	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Displacement (cc):	1796	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (ke	g): 1278/1770/492
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	13.9; 10.2
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	885/885
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1200/630
Fuel system:	sequential multi point fuel injection (SFI), Simtec MS 71	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under luggage compartment
Fuel pump:	electric, in tank	i dei tank capacity (i), location.	52, under luggage compartment
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	92/125 at 5600	Performance	
		Top speed (km/h):	193
Specific power (kW/l; hp/l):	51.2; 69.6	Acceleration 0-100 km/h (sec)*:	11.5
Max. torque (Nm at 1/min):	170 at 3800	Pass-by noise (dBA):	71
Specific torque (Nm/liter):	94.7	Fuel:	unleaded premium
Mean effective pressure at			
max. power/max. torque (kPa):	1097.7/1190.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	16.5		Additional equipment can lead to increased
Engine oil, capacity (I):	4.25		consumption and CO ₂ values.
Cooling capacity (I):	6.4		urban: 12.1
Battery 12 V, capacity (Ah):	55		extra-urban: 6.8
Alternator 14.2 V, capacity (W):	994		total: 8.8
		CO ₂ emission (g/km):	211
Tronomiosion		Emission class:	Euro 4
Transmission			
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	automatic + lock-up		
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12		
Clutch, type:	torque converter	* Basic model	
elaten, type.		* Kerb weight (70156 EEC) and 125 kg payload	
Dealer			
Body			
Seats:	5		
Drag coefficient (c,):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c xA):	0.59*		
Chassis			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
initial caliponoion rean	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
	none		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	disc, 240		
ABS:	option		
TC Plus:	option		
		I	

Astra 2.0 DI 16V Y20DTL 60kW/82hp 4-speed autom. hatchback 3 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1472
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	84	Opening luggage compartment to ground (mm):	810
Stroke (mm):	90	Rim width (inch)(mm)/tire size:	5.5Jx14/185/65 R 14 T
Displacement (cc):	1995	Turning clearance circle/turning circle (m):	10.70/10.05
Compression ratio:	18.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (OHC), driven by chain	Kerb weight/max. allowable weight/additional load (I	
Valve train:	direct, bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	22.1; 16.2
Valve, arrangement:	parallel; 4 per cylinder	Max. axle load front/rear (kg):	995/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1200/635
Fuel system:	diesel direct injection	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	mechanical		52, under rear seats
Emission control system:	oxidizing catalytic converter	Fuel tank capacity (I), location:	JZ, UIUUU IEdi SEdis
Output (kW/hp CEE at 1/min):	60/82 at 4300	Derfermente	
Specific power (kW/l; hp/l):	30.1; 41.1	Performance	
Max. torque (Nm at 1/min):	185 at 1500	Top speed (km/h):	170
Specific torque (Nm/liter):	92.7	Acceleration 0-100 km/h (sec)*:	15.5
Mean effective pressure at	92.1	Pass-by noise (dBA):	71
	839.3/1165.8	Fuel:	diesel
max. power/max. torque (kPa):	12.9	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):			Additional equipment can lead to increased
Engine oil, capacity (I):	5.5 7.8		consumption and CO ₂ values.
Cooling capacity (I):			urban: 8.9
Battery 12 V, capacity (Ah):	70		extra-urban: 5.4
Alternator 14.2 V, capacity (W):	994		total: 6.7
		CO_2 emission (g/km):	181
Transmission		Emission class:	Euro 3
Drive axle:	front wheel drive		
Transmission, type:	automatic + lock-up	Maintonanaa	
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39	Maintenance	
	4th ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 4.02 final drive ratio: 2.60		
Clutch, type:	torque converter		
oluton, type.		* Basic model	
Podu.		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c _p):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59^{+}		
Chassis			
	independent wightens or whitense M-Dharrow of the		
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
14/1	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	disc, 240		
ABS:	option		
,	opilon	I	

Astra 2.0 DI 16V Y20DTL 60kW/82hp 4-speed autom. notchback 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4252
— • • • •		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1472
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1230
Bore (mm):	84	Rim width (inch)(mm)/tire size:	5.5Jx14/185/65 R 14 T
Stroke (mm):	90	Turning clearance circle/turning circle (m):	10.70/10.05
Displacement (cc):	1995	Steer. wheel turns lock/lock:	3.1
Compression ratio:	18.5:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location:	1 overhead (OHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	22.4; 16.4
Valve train:	direct, bucket tappets	Max. axle load front/rear (kg):	995/820
Valve, arrangement:	parallel: 4 per cylinder		
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1200/635 75/100
Fuel system:	diesel direct injection	Trailer hook weight/roof load (kg):	
Fuel pump:	mechanical	Fuel tank capacity (I), location:	52, under rear seats
Emission control system:	oxidizing catalytic converter	Performance	
Output (kW/hp CEE at 1/min):	60/82 at 4300	Top speed (km/h):	170
Specific power (kW/l; hp/l):	30.1; 41.1	Acceleration 0-100 km/h (sec)*:	15.5
Max. torque (Nm at 1/min):	185 at 1500	Pass-by noise (dBA):	71
Specific torque (Nm/liter):	92.7	Fuel:	diesel
Mean effective pressure at		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	839.3/1165.8	r dei consumption (intel/100 km).	Additional equipment can lead to increased
Average piston speed (m/s):	12.9		
Engine oil, capacity (I):	5.5		consumption and CO ₂ values. urban: 8.9
Cooling capacity (I):	7.8		extra-urban: 5.4
Battery 12 V, capacity (Ah):	70		
Alternator 14.2 V, capacity (W):	994		
		CO ₂ emission (g/km):	181
Transmission		Emission class:	Euro 3
Drive axle:	front wheel drive		
		Maintenance	
Transmission, type:	automatic + lock-up 1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:			
	4th ratio: 1.00		
	reverse ratio: 4.02 final drive ratio: 2.60	* Basic model	
Clutch, type:	torque converter	* Kerb weight (70156 EEC) and 125 kg payload	
		Nero weight (10100 EEO) and 120 kg payload	
Body			
Seats:	5		
Drag coefficient (c_):	0.28*		
Frontal area (A in m^2):	2.06		
Index (c "xA):	0.59*		
	0.00		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	disc, 240		
ABS:	option		
	option		

Astra 2.0 DI 16V Y20DTL 60kW/82hp 4-speed autom. hatchback 5 doors

Medel veor:	2001 1/2		
Model year: Date:	27.02.01	Weights and dimensions	
Dute.	21.02.01	Length (mm):	4110
Engine data		Width (mm):	1709
0		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1472
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	84	Opening luggage compartment to ground (mm):	810
Stroke (mm):	90	Rim width (inch)(mm)/tire size:	5.5Jx14/185/65 R 14 T
Displacement (cc):	1995	Turning clearance circle/turning circle (m):	10.70/10.05
Compression ratio:	18.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (OHC), driven by chain	Kerb weight/max. allowable weight/additional load (k	
Valve train:	direct, bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	22.4; 16.4
Valve, arrangement:	parallel; 4 per cylinder automatic - hydraulic	Max. axle load front/rear (kg):	995/820
Valve adjustment:		Trailer load braked/unbraked (kg):	1200/635
Fuel system:	diesel direct injection mechanical	Trailer hook weight/roof load (kg):	75/100
Fuel pump:		Fuel tank capacity (I), location:	52, under rear seats
Emission control system: Output (kW/hp CEE at 1/min):	oxidizing catalytic converter 60/82 at 4300		
		Performance	
Specific power (kW/l; hp/l):	30.1; 41.1 185 et 1500	Top speed (km/h):	170
Max. torque (Nm at 1/min):	185 at 1500 92.7	Acceleration 0-100 km/h (sec)*:	15.5
Specific torque (Nm/liter): Mean effective pressure at	92.7	Pass-by noise (dBA):	71
max. power/max. torque (kPa):	839.3/1165.8	Fuel:	diesel
Average piston speed (m/s):	12.9	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	5.5	· · · · · · · · · · · · · · · · · · ·	Additional equipment can lead to increased
Cooling capacity (I):	5.5 7.8		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	7.8		urban: 8.9
Alternator 14.2 V, capacity (W):	994		extra-urban: 5.4
	334		total: 6.7
Tronomionion		CO ₂ emission (g/km):	181
Transmission		Emission class:	Euro 3
Drive axle:	front wheel drive		
Transmission, type:	automatic + lock-up	Maintenance	
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39		in
	4th ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 4.02 final drive ratio: 2.60		
Clutch, type:	torque converter	t Dasia madal	
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	5		
Drag coefficient (c):	0.28*		
Frontal area (A in m^2):	2.06		
Index (c "xA):	0.59*		
	0.00		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	disc, 240		
ABS:	option		
	•	,	

Astra Caravan 2.0 DI 16V Y20DTL 60kW/82hp 4-speed autom. station wagon 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4288
		Width (mm):	1709
Engine data		Height (mm):	1465
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1472
Cylinders, number:	4	Luggage capacity (I) ECIE:	480-1500
Bore (mm):	84	Opening luggage compartment to ground (mm):	886
Stroke (mm):	90	Rim width (inch)(mm)/tire size:	5.5Jx14/185/65 R 14 T
Displacement (cc):	1995	Turning clearance circle/turning circle (m):	10.70/10.05
Compression ratio:	18.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (OHC), driven by chain	Kerb weight/max. allowable weight/additional load (k	
Valve train:	direct, bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	23.1; 16.9
Valve, arrangement: Valve adjustment:	parallel; 4 per cylinder automatic - hydraulic	Max. axle load front/rear (kg):	995/885
Fuel system:	diesel direct injection	Trailer load braked/unbraked (kg):	1200/665
Fuel pump:	mechanical	Trailer hook weight/roof load (kg):	75/100
Emission control system:	oxidizing catalytic converter	Fuel tank capacity (I), location:	52, under rear seats
Output (kW/hp CEE at 1/min):	60/82 at 4300	Derfermennen	
Specific power (kW/l; hp/l):	30.1: 41.1	Performance	
Max. torque (Nm at 1/min):	185 at 1500	Top speed (km/h):	165
Specific torque (Nm/liter):	92.7	Acceleration 0-100 km/h (sec)*:	16
Mean effective pressure at		Pass-by noise (dBA):	71
max. power/max. torque (kPa):	839.3/1165.8	Fuel:	diesel
Average piston speed (m/s):	12.9	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	5.5		Additional equipment can lead to increased
Cooling capacity (I):	7.8		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	70		urban: 9.0
Alternator 14.2 V, capacity (W):	994		extra-urban: 5.6
			total: 6.9
Transmission		CO ₂ emission (g/km): Emission class:	186 Fund 0
Drive axle:	front wheel drive	Emission class:	Euro 3
Transmission, type:	automatic + lock-up		
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39	Maintenance	
	4th ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 4.02 final drive ratio: 2.60		
Clutch, type:	torque converter		
		⁺ Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
	-		
Seats:	5		
Drag coefficient ($c_{_D}$): Frontal area (A in m ²):	0.28* 2.06		
. ,	2.06 0.59⁺		
Index (c "xA):	0.59		
Chanain			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Branco			
Brake circuits:	2, diagonal		
Brake circuits:	2, diagonal ventilated disc, 256		

Astra 2.0 DTI 16V Y20DTH 74kW/100hp 5-speed hatchback 3 doors

Medel veer	2004 1/		
Model year: Date:	2001 ½ 27.02.01	Weights and dimensions	
Date.	21.02.01	Length (mm):	4110
Engine data		Width (mm):	1709
0		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	84	Opening luggage compartment to ground (mm):	810
Stroke (mm):	90	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Displacement (cc):	1995	Turning clearance circle/turning circle (m):	10.70/10.05
Compression ratio:	18.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (OHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	17.9; 13.3
Valve, arrangement:	parallel; 4 per cylinder	Max. axle load front/rear (kg):	995/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1300/635
Fuel system:	diesel direct injection	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	mechanical	Fuel tank capacity (I), location:	52, under rear seats
Emission control system:	oxidizing catalytic converter		
Charger system:	turbocharger	Performance	
Output (kW/hp CEE at 1/min):	74/100 at 4300	Top speed (km/h):	188
Specific power (kW/l; hp/l):	37.1; 50.1	Acceleration 0-100 km/h (sec)*:	12
Max. torque (Nm at 1/min):	230 at 1950	Acc. 80-120 km/h in 5th gear (sec)*:	13.5
Specific torque (Nm/liter):	115.3	Pass-by noise (dBA):	72
Mean effective pressure at		Fuel:	diesel
max. power/max. torque (kPa):	1035.1/1449.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	12.9		Additional equipment can lead to increased
Engine oil, capacity (I):	5.5		consumption and CO_2 values.
Cooling capacity (I):	7.9		urban: 7.6
Battery 12 V, capacity (Ah):	70		extra-urban: 4.6
Alternator 14.2 V, capacity (W):	994		total: 5.7
		CO ₂ emission (g/km):	154
Transmission		Emission class:	Euro 3
Drive axle:	front wheel drive		Edio S
Transmission, type:	manual	Maintananaa	
Gear ratios:	1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19	Maintenance	
	4th ratio: 0.85 5th ratio: 0.69	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.63		
Clutch, type:	dry single plate		
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	5		
Drag coefficient (c_{D}):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59^{+}		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
wheel suspension real.	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
	ilon ilon		
Brakes			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	option		

Astra 2.0 DTI 16V Y20DTH 74kW/100hp 5-speed notchback 4 doors

	• •		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01		4050
		Length (mm):	4252
Engine data		Width (mm):	1709
5	front transverse in front of oxide 7° EO' forward inclined	Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1230
Bore (mm):	84	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Stroke (mm):	90	Turning clearance circle/turning circle (m):	10.70/10.05
Displacement (cc):	1995	Steer. wheel turns lock/lock:	3.1
Compression ratio:	18.5:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg): 1345/1790/445
Camshaft(s), location:	1 overhead (OHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	18.2; 13.5
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	995/820
Valve, arrangement:	parallel; 4 per cylinder	Trailer load braked/unbraked (kg):	1300/635
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/100
Fuel system:	diesel direct injection	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump:	mechanical		
Emission control system:	oxidizing catalytic converter	Performance	
Charger system:	turbocharger		
Output (kW/hp CEE at 1/min):	74/100 at 4300	Top speed (km/h):	188
Specific power (kW/l; hp/l):	37.1; 50.1	Acceleration 0-100 km/h (sec)*:	12
Max. torque (Nm at 1/min):	230 at 1950	Acc. 80-120 km/h in 5th gear (sec)*:	13.5
Specific torque (Nm/liter):	115.3	Pass-by noise (dBA):	72
Mean effective pressure at		Fuel:	diesel
max. power/max. torque (kPa):	1035.1/1449.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	12.9		Additional equipment can lead to increased
Engine oil, capacity (I):	5.5		consumption and CO ₂ values.
Cooling capacity (I):	7.9		urban: 7.6
Battery 12 V, capacity (Ah):	70		extra-urban: 4.6
Alternator 14.2 V, capacity (W):	994		total: 5.7
Alternator 14.2 v, capacity (vv).	334	CO ₂ emission (g/km):	154
T i		Emission class:	Euro 3
Transmission			
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual		
Gear ratios:	1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.85 5th ratio: 0.69		
	reverse ratio: 3.31 final drive ratio: 3.63		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Body			
Seats:	5		
Drag coefficient (c _p):	0.28+		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
Chassis			
	independent wichhone on subframe MaRharsen strute		
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
14/1	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
A	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	option		
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Astra 2.0 DTI 16V Y20DTH 74kW/100hp 5-speed hatchback 5 doors

		1	
Model year: Date:	2001 ½ 27.02.01	Weights and dimensions	
Date.	27.02.01	Length (mm):	4110
Engine data		Width (mm):	1709
0		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	84	Opening luggage compartment to ground (mm):	810
Stroke (mm):	90	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Displacement (cc):	1995	Turning clearance circle/turning circle (m):	10.70/10.05
Compression ratio:	18.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (OHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	18.2; 13.5
Valve, arrangement:	parallel; 4 per cylinder	Max. axle load front/rear (kg):	995/820
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1300/635
Fuel system:	diesel direct injection	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	mechanical	Fuel tank capacity (I), location:	52, under rear seats
Emission control system:	oxidizing catalytic converter		
Charger system:	turbocharger	Performance	
Output (kW/hp CEE at 1/min):	74/100 at 4300	Top speed (km/h):	188
Specific power (kW/l; hp/l):	37.1; 50.1	Acceleration 0-100 km/h (sec)*:	12
Max. torque (Nm at 1/min):	230 at 1950	Acc. 80-120 km/h in 5th gear (sec)*:	13.5
Specific torque (Nm/liter):	115.3	Pass-by noise (dBA):	72
Mean effective pressure at		Fuel:	diesel
max. power/max. torque (kPa):	1035.1/1449.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	12.9		Additional equipment can lead to increased
Engine oil, capacity (I):	5.5		consumption and CO_2 values.
Cooling capacity (I):	7.9		urban: 7.6
Battery 12 V, capacity (Ah):	70		extra-urban: 4.6
Alternator 14.2 V, capacity (W):	994		total: 5.7
		CO ₂ emission (g/km):	154
Transmission		Emission class:	Euro 3
Drive axle:	front wheel drive		Edio S
Transmission, type:	manual	Maintananaa	
Gear ratios:	1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19	Maintenance	
	4th ratio: 0.85 5th ratio: 0.69	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.63		
Clutch, type:	dry single plate		
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c_{D}):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c _w xA):	0.59^{+}		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
wheel suspension none.	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
Wheel suspension rear:	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
	IIOIIL		
Brokoo			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	option		

Astra Caravan 2.0 DTI 16V Y20DTH 74kW/100hp 5-speed station wagon 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4288
		Width (mm):	1709
Engine data		Height (mm):	1465
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	480-1500
Bore (mm):	84	Opening luggage compartment to ground (mm):	886
Stroke (mm):	90	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Displacement (cc):	1995	Turning clearance circle/turning circle (m):	10.70/10.05
Compression ratio:	18.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (OHC), driven by chain	Kerb weight/max. allowable weight/additional load (ko	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	18.7; 13.9
Valve, arrangement:	parallel; 4 per cylinder	Max. axle load front/rear (kg):	995/885
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1250/675
Fuel system:	diesel direct injection		75/100
Fuel pump:	mechanical	Trailer hook weight/roof load (kg):	
Emission control system:	oxidizing catalytic converter	Fuel tank capacity (I), location:	52, under rear seats
Charger system:	turbocharger		
Output (kW/hp CEE at 1/min):	74/100 at 4300	Performance	
		Top speed (km/h):	183
Specific power (kW/l; hp/l):	37.1; 50.1 320 ct 1050	Acceleration 0-100 km/h (sec)*:	12.5
Max. torque (Nm at 1/min):	230 at 1950	Acc. 80-120 km/h in 5th gear (sec)*:	14.5
Specific torque (Nm/liter):	115.3	Pass-by noise (dBA):	72
Mean effective pressure at		Fuel:	diesel
max. power/max. torque (kPa):	1035.1/1449.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	12.9		Additional equipment can lead to increased
Engine oil, capacity (I):	5.5		consumption and CO_2 values.
Cooling capacity (I):	7.9		urban: 7.7
Battery 12 V, capacity (Ah):	70		extra-urban: 4.8
Alternator 14.2 V, capacity (W):	994		total: 5.9
		CO ₂ emission (g/km):	159
Transmission		Emission class:	Euro 3
Drive axle:	front wheel drive		Edios
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19	Maintenance	
	4th ratio: 0.85 5th ratio: 0.69	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.63		
Clutch, type:	dry single plate		
oluton, type.	ary single plate	* Basic model	
Dealer		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c _p):	0.28+		
Frontal area (A in m ²):	2.06		
Index (c xA):	0.59*		
· w ·			
Chassis			
	indexed with the second whether the MaDhaman starts		
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:			
Broko circuite:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
	ventilated disc, 280 disc, 264 option		

Astra Comfort 2.2 16V Z22SE 108kW/147hp 5-speed hatchback 3 doors

	······································		
Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
En aire a data		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 10° backward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	86	Opening luggage compartment to ground (mm):	810
Stroke (mm):	94.6	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 V
Displacement (cc):	2198	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	alumnium alloy/alumnium alloy	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg	g): 1255/1700/445
Valve train:	roller rocker with hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	11.6; 8.5
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	915/820
Fuel system:	sequential multi point fuel injection, GM Powertrain	Trailer load braked/unbraked (kg):	1400/610
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	electric, in tank	Fuel tank capacity (I), location:	52, under rear seats
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	108/147 at 5800	Performance	
Specific power (kW/l; hp/l):	49.1; 66.9		044
Max. torque (Nm at 1/min):	203 at 4000	Top speed (km/h):	214
Specific torque (Nm/liter):	92.4	Acceleration 0-100 km/h (sec)*:	8.8
Mean effective pressure at		Acc. 80-120 km/h in 5th gear (sec)*:	12
max. power/max. torque (kPa):	1016.6/1161.1	Pass-by noise (dBA):	74
Average piston speed (m/s):	18.3	Fuel:	unleaded premium
Engine oil, capacity (I):	5	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Cooling capacity (I):	6.8		Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	66		consumption and CO ₂ values. urban: 12.0
Alternator 14.2 V, capacity (W):	1420		urban: 12.0 extra-urban: 6.3
Transmission		$CO_{aminon}(\alpha/lm);$	total: 8.4 202
Drive axle:	front wheel drive	CO ₂ emission (g/km): Emission class:	Euro 4
Transmission, type:	manual	ETHISSION CIASS.	Eulo 4
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35	Mattheway	
Sear railos.	4th ratio: 0.98 5th ratio: 0.81	Maintenance	
	reverse ratio: 3.31 final drive ratio: 3.95	Service intervals:	inspection: every 30,000 km or once a year
Clutch, type:	dry single plate		
Oluton, type.	ury single plate		
Dady		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	5		
Drag coefficient (c _p):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
Chassis			
	independent, wishbone, on subframe, McPherson struts,		
Wheel suspension front:			
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Drokee			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	standard equipment		
TC Plus:	standard equipment		

Astra Comfort 2.2 16V Z22SE 108kW/147hp 4-speed autom. hatchback 3 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4440
		Width (mm):	4110 1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 10° backward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	86 94.6	Opening luggage compartment to ground (mm):	810
Stroke (mm): Displacement (cc):	94.0 2198	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 V
Compression ratio:	10:1	Turning clearance circle/turning circle (m): Steer. wheel turns lock/lock:	10.90/10.25 3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	alumnium alloy/alumnium alloy	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg	g): 1275/1720/445
Valve train:	roller rocker with hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	11.8; 8.7
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	935/820
Fuel system:	sequential multi point fuel injection, GM Powertrain electr. ignition map, ignition coil direct to spark plug	Trailer load braked/unbraked (kg):	1400/610
Ignition system: Fuel pump:	electric, in tank	Trailer hook weight/roof load (kg):	75/100 52, under rear seats
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Fuel tank capacity (I), location:	52, under rear seats
Output (kW/hp CEE at 1/min):	108/147 at 5800	Derformence	
Specific power (kW/l; hp/l):	49.1; 66.9	Performance	
Max. torque (Nm at 1/min):	203 at 4000	Top speed (km/h):	208
Specific torque (Nm/liter):	92.4	Acceleration 0-100 km/h (sec)*:	10 73
Mean effective pressure at		Pass-by noise (dBA): Fuel:	unleaded premium
max. power/max. torque (kPa):	1016.6/1161.1	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s): Engine oil, capacity (I):	18.3 5		Additional equipment can lead to increased
Cooling capacity (I):	5 6.6		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	66		urban: 11.7
Alternator 14.2 V, capacity (W):	1420		extra-urban: 6.6
			total: 8.5
Transmission		CO ₂ emission (g/km):	204 Euro 4
Drive axle:	front wheel drive	Emission class:	Euro 4
Transmission, type:	automatic + lock-up	Maintananaa	
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39	Maintenance	
	4th ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 4.02 final drive ratio: 2.81		
Clutch, type:	torque converter + shiftlock system	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c_{D}):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
Chassis			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
Anti roll bar:	twin tube gas pressure shock absorbers front		
	North		
Brakes			
Brake circuits:			
Brake circuits: Brakes front, diameter (mm):	2, diagonal ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	standard equipment		
TC Plus:	standard equipment		
		1 I	

Astra Comfort 2.2 16V Z22SE 108kW/147hp 5-speed notchback 4 doors

	Within 5-speed notenback 4 doors		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4252
Engine data		Width (mm):	1709
Engine, location:	front, transverse in front of axle, 10° backward inclined	Height (mm): Wheelbase (mm):	1425 2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1230
Bore (mm):	86	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 V
Stroke (mm): Displacement (cc):	94.6 2198	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10:1	Steer. wheel turns lock/lock: Steering, ratio:	3.1 electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	alumnium alloy/alumnium alloy	Kerb weight/max. allowable weight/additional load (kg)	
Camshaft(s), location: Valve train:	2 overhead (DOHC), driven by chain roller rocker with hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	11.8; 8.7
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg): Trailer load braked/unbraked (kg):	915/820 1400/610
Fuel system:	sequential multi point fuel injection, GM Powertrain	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	52, under rear seats
Fuel pump: Emission control system:	electric, in tank 3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	108/147 at 5800	Performance	
Specific power (kW/l; hp/l):	49.1; 66.9	Top speed (km/h):	214
Max. torque (Nm at 1/min):	203 at 4000	Acceleration 0-100 km/h (sec)*: Acc. 80-120 km/h in 5th gear (sec)*:	8.8 12
Specific torque (Nm/liter):	92.4	Pass-by noise (dBA):	74
Mean effective pressure at max. power/max. torque (kPa):	1016.6/1161.1	Fuel:	unleaded premium
Average piston speed (m/s):	18.3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	5		Additional equipment can lead to increased
Cooling capacity (I):	6.8 66		consumption and CO ₂ values. urban: 12.0
Battery 12 V, capacity (Ah): Alternator 14.2 V, capacity (W):	1420		extra-urban: 6.3
	1720		total: 8.4
Transmission		CO ₂ emission (g/km): Emission class:	202 Euro 4
Drive axle:	front wheel drive	Emission class:	Euro 4
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.98 5th ratio: 0.81 reverse ratio: 3.31 final drive ratio: 3.95		inspection, every bo,000 km of once a year
Clutch, type:	dry single plate		
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	5		
Drag coefficient (c _p):	0.28+		
Frontal area (A in m²):	2.06 0.59*		
Index (c "xA):	0.59		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
Anti roll bar:	twin tube gas pressure shock absorbers		
Anu foil bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
	standard equipment		
TC Plus:	standard equipment		

Astra Comfort 2.2 16V Z22SE 108kW/147hp 4-speed autom. notchback 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4252
Engine data		Width (mm): Height (mm):	1709 1425
Engine, location:	front, transverse in front of axle, 10° backward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1230
Bore (mm): Stroke (mm):	86 94.6	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 V
Displacement (cc):	2198	Turning clearance circle/turning circle (m): Steer. wheel turns lock/lock:	10.90/10.25 3.1
Compression ratio:	10:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material: Camshaft(s), location:	alumnium alloy/alumnium alloy 2 overhead (DOHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	roller rocker with hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty): Max. axle load front/rear (kg):	11.8; 8.7 935/820
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1400/610
Fuel system:	sequential multi point fuel injection, GM Powertrain	Trailer hook weight/roof load (kg):	75/100
Ignition system: Fuel pump:	electr. ignition map, ignition coil direct to spark plug electric, in tank	Fuel tank capacity (I), location:	52, under rear seats
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Dorformonoo	
Output (kW/hp CEE at 1/min):	108/147 at 5800	Performance	000
Specific power (kW/l; hp/l):	49.1; 66.9	Top speed (km/h): Acceleration 0-100 km/h (sec)*:	208 10
Max. torque (Nm at 1/min): Specific torque (Nm/liter):	203 at 4000 92.4	Pass-by noise (dBA):	73
Mean effective pressure at	52.4	Fuel:	unleaded premium
max. power/max. torque (kPa):	1016.6/1161.1	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	18.3		Additional equipment can lead to increased consumption and CO ₂ values.
Engine oil, capacity (I): Cooling capacity (I):	5 6.6		urban: 11.7
Battery 12 V, capacity (Ah):	66		extra-urban: 6.6
Alternator 14.2 V, capacity (W):	1420	co amission (allem):	total: 8.5
Transmission		CO ₂ emission (g/km): Emission class:	204 Euro 4
Drive axle:	front wheel drive	Mointenance	
Transmission, type:	automatic + lock-up	Maintenance	
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39 4th ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
Clutch, type:	reverse ratio: 4.02 final drive ratio: 2.81 torque converter + shiftlock system	* Basic model	
Ded		* Kerb weight (70156 EEC) and 125 kg payload	
Body	_		
Seats: Drag coefficient (c_):	5 0.28⁺		
Frontal area (A in m^2):	2.06		
Index (c _w xA):	0.59 ⁺		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
Wheel suspension rear:	twin tube gas pressure shock absorbers compound torsion beam axle, coil springs,		
Anti roll bar:	twin tube gas pressure shock absorbers front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS: TC Plus:	standard equipment standard equipment		
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Astra Comfort 2.2 16V Z22SE 108kW/147hp 5-speed hatchback 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Lenath (mm):	4110
		Width (mm):	1709
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 10° backward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm):	86	Opening luggage compartment to ground (mm):	810
Stroke (mm):	94.6	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 V
Displacement (cc):	2198	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	alumnium alloy/alumnium alloy	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Kerb weight/max. allowable weight/additional load (k	
Valve train:	roller rocker with hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	11.8; 8.7
Valve, arrangement:	v: 4 per cylinder	Max. axle load front/rear (kg):	915/820
Fuel system:	sequential multi point fuel injection, GM Powertrain	Trailer load braked/unbraked (kg):	1400/610
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	electric, in tank	Fuel tank capacity (I), location:	52, under rear seats
Emission control system:	3-way cat. conv. with 2 oxygen sensors	r der tank capacity (i), iocation.	
Output (kW/hp CEE at 1/min):	108/147 at 5800	Derfermenne	
Specific power (kW/l; hp/l):	49.1; 66.9	Performance	
Max. torque (Nm at 1/min):	203 at 4000	Top speed (km/h):	214
Specific torque (Nm/liter):	92.4	Acceleration 0-100 km/h (sec)*:	8.8
Mean effective pressure at	02.1	Acc. 80-120 km/h in 5th gear (sec)*:	12
max. power/max. torque (kPa):	1016.6/1161.1	Pass-by noise (dBA):	74
Average piston speed (m/s):	18.3	Fuel:	unleaded premium
Engine oil, capacity (I):	5	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Cooling capacity (I):	6.8	, , , , , , , , , , , , , , , , , , , ,	Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	66		consumption and CO ₂ values.
Alternator 14.2 V, capacity (W):	1420		urban: 12.0
Alternator 14.2 V, capacity (VV).	1420		extra-urban: 6.3
- · ·			total: 8.4
Transmission		CO ₂ emission (g/km):	202
Drive axle:	front wheel drive	Emission class:	Euro 4
Transmission, type:	manual		
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35	Maintenance	
	4th ratio: 0.98 5th ratio: 0.81		
	reverse ratio: 3.31 final drive ratio: 3.95	Service intervals:	inspection: every 30,000 km or once a year
Clutch, type:	dry single plate		
Body		* Basic model	
5		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	5		
Drag coefficient (c _D):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
Chassis			
	independent with here an autoframe. McDhannan starts		
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
14/1	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	standard equipment		
TC Plus:	standard equipment		
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Astra Comfort 2.2 16V Z22SE 108kW/147hp 4-speed autom. hatchback 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4110
Engine data		Width (mm): Height (mm):	1709 1425
Engine, location:	front, transverse in front of axle, 10° backward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	370-1180
Bore (mm): Stroke (mm):	86 94.6	Opening luggage compartment to ground (mm):	810 81 45 (405 (00 D 45) (
Displacement (cc):	2198	Rim width (inch)(mm)/tire size: Turning clearance circle/turning circle (m):	6Jx15/195/60 R 15 V 10.90/10.25
Compression ratio:	10:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	alumnium alloy/alumnium alloy	Steering wheel outside diameter (mm):	380
Camshaft(s), location: Valve train:	2 overhead (DOHC), driven by chain roller rocker with hydraulic bucket tappets	Kerb weight/max. allowable weight/additional load (kg)): 1278/1740/462
Valve, arrangement:	v; 4 per cylinder	Power to weight ratio (kg/kW; kg/hp)(empty): Max. axle load front/rear (kg):	11.8; 8.7 935/820
Fuel system:	sequential multi point fuel injection, GM Powertrain	Trailer load braked/unbraked (kg):	1400/610
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	electric, in tank	Fuel tank capacity (I), location:	52, under rear seats
Emission control system: Output (kW/hp CEE at 1/min):	3-way cat. conv. with 2 oxygen sensors 108/147 at 5800		
Specific power (kW/l; hp/l):	49.1; 66.9	Performance	
Max. torque (Nm at 1/min):	203 at 4000	Top speed (km/h):	208
Specific torque (Nm/liter):	92.4	Acceleration 0-100 km/h (sec)*: Pass-by noise (dBA):	10 73
Mean effective pressure at max. power/max. torgue (kPa):	1016.6/1161.1	Fuel:	unleaded premium
Average piston speed (m/s):	18.3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	5		Additional equipment can lead to increased
Cooling capacity (I):	6.6		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	66		urban: 11.7 [–] extra-urban: 6.6
Alternator 14.2 V, capacity (W):	1420		total: 8.5
Transmission		CO ₂ emission (g/km):	204
		Emission class:	Euro 4
Drive axle: Transmission, type:	front wheel drive automatic + lock-up		
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39	Maintenance	
	4th ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 4.02 final drive ratio: 2.81		
Clutch, type:	torque converter + shiftlock system	* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Body	-		
Seats: Drag coefficient (c_):	5 0.28 ⁺		
Frontal area (A in m^2):	2.06		
Index (c "xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS: TC Plus:	standard equipment standard equipment		
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Astra Caravan Comfort 2.2 16V Z22SE 108kW/147hp 5-speed station wagon 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01		1000
		Length (mm): Width (mm):	4288 1709
Engine data		Height (mm):	1465
Engine, location:	front, transverse in front of axle, 10° backward inclined	Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	480-1500
Bore (mm):	86	Opening luggage compartment to ground (mm):	886
Stroke (mm):	94.6	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 V
Displacement (cc):	2198	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	alumnium alloy/alumnium alloy	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	roller rocker with hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	11.8; 8.7
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	915/885
Fuel system:	sequential multi point fuel injection, GM Powertrain	Trailer load braked/unbraked (kg):	1400/630
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	electric, in tank	Fuel tank capacity (I), location:	52, under rear seats
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	108/147 at 5800	Performance	
Specific power (kW/l; hp/l):	49.1; 66.9	Top speed (km/h):	208
Max. torque (Nm at 1/min):	203 at 4000	Acceleration 0-100 km/h (sec)*:	9.3
Specific torque (Nm/liter):	92.4	Acc. 80-120 km/h in 5th gear (sec)*:	12.5
Mean effective pressure at	1010 0/1404 4	Pass-by noise (dBA):	74
max. power/max. torque (kPa):	1016.6/1161.1	Fuel:	unleaded premium
Average piston speed (m/s):	18.3 5	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I): Cooling capacity (I):	5 6.8		Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	66		consumption and CO_2 values.
Alternator 14.2 V, capacity (W):	1420		urban: 12.1
Alternator 14.2 V, capacity (W).	1420		extra-urban: 6.5
Transmission			total: 8.6
Transmission		CO ₂ emission (g/km):	207
Drive axle:	front wheel drive	Emission class:	Euro 4
Transmission, type:	manual		
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35	Maintenance	
	4th ratio: 0.98 5th ratio: 0.81	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.95	Service intervals.	inspection. every 50,000 km of once a year
Clutch, type:	dry single plate		
D 1		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	5		
Drag coefficient (c,):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59 ⁺		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
wheel suspension none.	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
wheel suspension real.	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	standard equipment		
TC Plus:	standard equipment	I	

Astra Caravan Comfort 2.2 16V Z22SE 108kW/147hp 4-speed autom. station wagon 5 doors

Model year: Date:	2001 ½ 27.02.01	Weights and dimensions	
Dale.	27.02.01	Length (mm):	4288
Engine dete		Width (mm):	1709
Engine data		Height (mm):	1465
Engine, location:	front, transverse in front of axle, 10° backward inclined	Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	480-1500
Bore (mm):	86	Opening luggage compartment to ground (mm):	886
Stroke (mm):	94.6	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 V
Displacement (cc):	2198	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	alumnium alloy/alumnium alloy	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg)	
Valve train:	roller rocker with hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	12.0; 8.8
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	935/885
Fuel system:	sequential multi point fuel injection, GM Powertrain	Trailer load braked/unbraked (kg):	1400/630
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	electric, in tank	Fuel tank capacity (I), location:	52, under rear seats
Emission control system: Output (kW/hp CEE at 1/min):	3-way cat. conv. with 2 oxygen sensors 108/147 at 5800		
Specific power (kW/l; hp/l):	49.1; 66.9	Performance	
Max. torque (Nm at 1/min):	203 at 4000	Top speed (km/h):	202
Specific torque (Nm/liter):	92.4	Acceleration 0-100 km/h (sec)*:	10.5
Mean effective pressure at	32.4	Pass-by noise (dBA):	73
max. power/max. torque (kPa):	1016.6/1161.1	Fuel:	unleaded premium
Average piston speed (m/s):	18.3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	5		Additional equipment can lead to increased
Cooling capacity (I):	6.6		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	66		urban: 12.0
Alternator 14.2 V, capacity (W):	1420		extra-urban: 6.9
· ····································			total: 8.8
Transmission		CO ₂ emission (g/km):	212
		Emīssion class:	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	automatic + lock-up	Maintenance	
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.00		
Clutch turner	reverse ratio: 4.02 final drive ratio: 2.81		
Clutch, type:	torque converter + shiftlock system	* Basic model	
D. J		* Kerb weight (70156 EEC) and 125 kg payload	
Body		····· ································	
Seats:	5		
Drag coefficient (c _p):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
Wheel Suspension real.	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	standard equipment		
TC Plus:	standard equipment		

Astra Coupé 1.8 16V Z18XE 92kW/125hp 5-speed 2 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4267
		Width (mm):	1709
Engine data		Height (mm):	1390
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1150
Bore (mm):	80.5	Rim width (inch)(mm)/tire size:	6Jx16/205/50 R 16 V
Stroke (mm):	88.2	Turning clearance circle/turning circle (m):	10.90/10.25
Displacement (cc):	1796	Steer. wheel turns lock/lock:	3.1
Compression ratio:	10.5:1		
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	13.7; 10.1
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	865/780
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1400/590
	sequential multi point fuel injection (SFI), Simtec MS 71	Trailer hook weight/roof load (kg):	75/100
Fuel system:		Fuel tank capacity (I), location:	52, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h):	210
Output (kW/hp CEE at 1/min):	92/125 at 5600	Acceleration 0-100 km/h (sec)*:	9.5
Specific power (kW/l; hp/l):	51.2; 69.6	Acc. 80-120 km/h in 5th gear (sec)*:	13
Max. torque (Nm at 1/min):	170 at 3800	Pass-by noise (dBA):	73
Specific torque (Nm/liter):	94.7	Fuel:	unleaded premium
Mean effective pressure at		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	1097.7/1190.0		Additional equipment can lead to increased
Average piston speed (m/s):	16.5		consumption and CO_2 values.
Engine oil, capacity (I):	4.25		urban: 11.0
Cooling capacity (I):	6.5		extra-urban: 6.0
Battery 12 V, capacity (Ah):	55		total: 7.8
Alternator 14.2 V, capacity (W):	994	$co_{\alpha} = c_{\alpha} = c_{$	
		CO ₂ emission (g/km): Emission class:	187 Euro 4
Transmission		Emission class:	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
Geal Tallos.	4th ratio: 1.12 5th ratio: 0.89		· · · · · · · · · · · · · · · · · · ·
Clutch type:	reverse ratio: 3.31 final drive ratio: 3.74	* Basic model	
Clutch, type:	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
D 1			
Body			
Seats:	4, 2+2		
Drag coefficient (c_p):	0.28*		
Frontal area (A in m ²):	2.01		
Index (c xA):	0.56*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	standard equipment		
TC Plus:	standard equipment		
ESP:	option		

Astra Coupé Turbo 2.0 16V Z20LET 140kW/190hp 5-speed 2 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 308
Engine data		Brakes rear, diameter (mm):	disc. 264
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	TC Plus:	
Cylinders, number:	4		standard equipment
Bore (mm):	4 86	ESP:	standard equipment
Stroke (mm):	86	Weights and dimensions	
Displacement (cc):	1998	Length (mm):	4267
Compression ratio:	8.8:1	Width (mm):	1709
Engine, type:	in line; 5 main bearings		
Cylinder block/head, material:	cast iron/aluminum	Height (mm):	1390
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Wheelbase (mm):	2606
Valve train:	hydraulic bucket tappets	Track front/rear (mm):	1474/1462
Valve, arrangement:	v; 4 per cylinder	Luggage capacity (I) ECIE:	460-1150
Valve adjustment:	automatic - hydraulic	Rim width (inch)(mm)/tire size:	7.5Jx17/215/40 R17 W
Fuel system:	sequential multi point fuel injection, Motronic ME 1.5.5 Hybrid	Turning clearance circle/turning circle (m):	11.50/10.85
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steer. wheel turns lock/lock:	3.1
Fuel pump:	electric, in tank	Steering, ratio:	electrhydr. power steering, 17
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Steering wheel outside diameter (mm):	380
Charger system:	turbocharger liquid cooled with air/air intercooler	Kerb weight/max. allowable weight/additional load (k	g): 1345/1640/295
Max. boost pressure (bar):		Power to weight ratio (kg/kW; kg/hp)(empty):	9.6; 7.1
Output (kW/hp CEE at 1/min):	140/190 at 5400	Max. axle load front/rear (kg):	940/740
		Trailer load braked/unbraked (kg):	1400/600
Specific power (kW/l; hp/l):	70.1; 95.1	Trailer hook weight/roof load (kg):	75/100
Max. torque (Nm at 1/min):	250 at 1950	Fuel tank capacity (I), location:	52, under rear seats
Specific torque (Nm/liter):	125.1	T dei tank capacity (1), location.	52, under real seals
Mean effective pressure at			
max. power/max. torque (kPa):	1557.1/1573.1	Performance	
Average piston speed (m/s):	15.5	Top speed (km/h):	245
Engine oil, capacity (I):	4.25	Acceleration 0-100 km/h (sec)*:	7.5
Cooling capacity (I):	7.4	Acc. 80-120 km/h in 5th gear (sec)*:	9.5
Battery 12 V, capacity (Ah):	55	Pass-by noise (dBA):	74
Alternator 14.2 V, capacity (W):	1420	Fuel:	unleaded premium
,			
Transmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
			Additional equipment can lead to increased
Drive axle:	front wheel drive		consumption and CO ₂ values.
Transmission, type:	manual		urban: 12.5
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35		extra-urban: 6.8
	4th ratio: 0.98 5th ratio: 0.79		total: 8.9
	reverse ratio: 3.31 final drive ratio: 3.63	CO ₂ emission (g/km):	214
Clutch, type:	dry single plate	Emission class:	Euro 4
Padu		Maintenance	
Body			
Seats:	4, 2+2	Service intervals:	inspection: every 30,000 km or once a year
Drag coefficient (c _s):	0.31*		
Frontal area (A in m ²):	2.01		
Index (c "xA):	0.62*	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
		'	

Astra Coupé 2.2 16V Z22SE 108kW/147hp 5-speed 2 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4267
		Width (mm):	1709
Engine data		Height (mm):	1390
Engine, location:	front, transverse in front of axle, 10° backward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1150
Bore (mm):	86	Rim width (inch)(mm)/tire size:	6Jx16/205/50 R 16 V
Stroke (mm):	94.6		
Displacement (cc):	2198	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	10:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
	aluminum/aluminum	Steering wheel outside diameter (mm):	380
Cylinder block/head, material: Camshaft(s), location:		Kerb weight/max. allowable weight/additional load (kg	
Valve train:	2 overhead (DOHC), driven by chain roller rocker with hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	11.8; 8.7
		Max. axle load front/rear (kg):	905/780
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1400/630
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/100
Fuel system:	sequential multi point fuel injection, GM Powertrain	Fuel tank capacity (I), location:	52, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h):	218
Output (kW/hp CEE at 1/min):	108/147 at 5800	Acceleration 0-100 km/h (sec)*:	8.8
Specific power (kW/l; hp/l):	49.1; 66.9	Acc. 80-120 km/h in 5th gear (sec)*:	12
Max. torque (Nm at 1/min):	203 at 4000	Pass-by noise (dBA):	74
Specific torque (Nm/liter):	92.4	Fuel:	unleaded premium
Mean effective pressure at		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	1016.6/1161.1		Additional equipment can lead to increased
Average piston speed (m/s):	18.3		consumption and CO_2 values.
Engine oil, capacity (I):	5		urban: 12.0
Cooling capacity (I):	6.8		extra-urban: 6.3
Battery 12 V, capacity (Ah):	66		total: 8.4
Alternator 14.2 V, capacity (W):	1420	$CO_{\rm comission} (\alpha / km);$	202
		CO ₂ emission (g/km): Emission class:	Euro 4
Transmission		Emission dass.	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35	Service intervals:	inspection: every 30,000 km or once a year
Oeal Tallos.	4th ratio: 0.98 5th ratio: 0.81		
	reverse ratio: 3.31 final drive ratio: 3.95		
Clutch, type:		* Basic model	
Ciuton, type.	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
D. J		····· ································	
Body			
Seats:	4, 2+2		
Drag coefficient (c _n):	0.28+		
Frontal area (A in m ²):	2.01		
Index (c "xA):	0.56+		
(W)			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	standard equipment		
TC Plus:	standard equipment		
ESP:	option		

Astra Coupé 2.2 16V Z22SE 108kW/147hp 4-speed autom. 2 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4267
		Width (mm):	1709
Engine data		Height (mm):	1390
Engine, location:	front, transverse in front of axle, 10° backward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1150
Bore (mm):	86		
Stroke (mm):	94.6	Rim width (inch)(mm)/tire size:	6Jx16/205/50 R 16 V
	2198	Turning clearance circle/turning circle (m):	10.90/10.25
Displacement (cc):		Steer. wheel turns lock/lock:	3.1
Compression ratio:	10:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	aluminum/aluminum	Kerb weight/max. allowable weight/additional load (kg)	
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	12.1; 8.9
Valve train:	roller rocker with hydraulic bucket tappets	Max. axle load front/rear (kg):	935/780
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1400/630
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/100
Fuel system:	sequential multi point fuel injection, GM Powertrain	Fuel tank capacity (I), location:	52, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	108/147 at 5800	Top speed (km/h):	212
Specific power (kW/I; hp/I):	49.1; 66.9	Acceleration 0-100 km/h (sec)*:	10
Max. torque (Nm at 1/min):	203 at 4000	Pass-by noise (dBA):	73
Specific torque (Nm/liter):	92.4	Fuel:	unleaded premium
Mean effective pressure at	32.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
			Additional equipment can lead to increased
max. power/max. torque (kPa):	1016.6/1161.1		consumption and CO_2 values.
Average piston speed (m/s):	18.3		urban: 11.9
Engine oil, capacity (I):	5		
Cooling capacity (I):	6.8		extra-urban: 6.7
Battery 12 V, capacity (Ah):	66		total: 8.6
Alternator 14.2 V, capacity (W):	1420	CO ₂ emission (g/km):	207
		Emission class:	Euro 4
Transmission			
		Maintenance	
Drive axle:	front wheel drive		in
Transmission, type:	automatic + lock-up	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39		
	4th ratio: 1.00		
	reverse ratio: 4.02 final drive ratio: 2.81	* Basic model	
Clutch, type:	torque converter + shiftlock system	* Kerb weight (70156 EEC) and 125 kg payload	
Body			
-			
Seats:	4, 2+2		
Drag coefficient (c _p):	0.28*		
Frontal area (A in m ²):	2.01		
Index (c "xA):	0.56+		
, w ,			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	standard equipment		
TC Plus:	standard equipment		
ESP:	option		
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Astra Cabrio 1.6 16V Z16XE 74kW/100hp 5-speed convertible 2 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	•	4007
		Length (mm): Width (mm):	4267 1709
Engine data		Height (mm):	1390
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1474/1462
Cylinders, number:	4	Luggage capacity (I) ECIE:	330-1100
Bore (mm):	79	Opening luggage compartment to ground (mm):	608
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Displacement (cc):	1598	Turning clearance circle/turning circle (m):	10.95/10.30
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	18.2; 13.5
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	875/845
Valve adjustment:	automatic - hydraulic	Fuel tank capacity (I), location:	52, under rear seats
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1		
Ignition system: Fuel pump:	electr. ignition map, ignition coil direct to spark plug electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h):	190
Output (kW/hp CEE at 1/min):	74/100 at 6000	Acceleration 0-100 km/h (sec)*:	13
Specific power (kW/l; hp/l):	46.3; 62.6	Acc. 80-120 km/h in 5th gear (sec)*:	17
Max. torque (Nm at 1/min):	150 at 3600	Pass-by noise (dBA):	72
Specific torque (Nm/liter):	93.9	Fuel:	unleaded premium
Mean effective pressure at	00.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	926.2/1180.1		Additional equipment can lead to increased
Average piston speed (m/s):	16.3		consumption and CO ₂ values.
Engine oil, capacity (I):	3.5		urban: 9.9
Cooling capacity (I):	6.3		extra-urban: 5.8
Battery 12 V, capacity (Ah):	55		total: 7.3
Alternator 14.2 V, capacity (W):	994	CO ₂ emission (g/km):	175
		Emission class:	Euro 4
Transmission		NA-1-1	
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41		
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 3.74	* Basic model	
Clutch, type:	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	4		
Drag coefficient (c,):	0.30*		
Frontal area (A in m^2):	2.01		
Index (c xA):	0.60*		
Chassis			
	independent McDharoon strute wishhana an subframe		
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
Wheel evenencion rear:	twin tube gas pressure shock absorbers compound link suspension, torsion tube design with 2 control arms,		
Wheel suspension rear:	twin tube gas pressure shock absorbers		
	twin tube yas pressure shock absoluters		
Brakes			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	solid disc, 264		
ABS:	standard equipment		

Astra Cabrio 1.8 16V Z18XE 92kW/125hp 5-speed convertible 2 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	•	
		Length (mm):	4267
Engine data		Width (mm):	1709
5	for at the accuracy in for at of order 70 501 for word in disc	Height (mm):	1390
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1474/1462
Cylinders, number:	4	Luggage capacity (I) ECIE:	330-1100
Bore (mm):	80.5	Opening luggage compartment to ground (mm):	608
Stroke (mm):	88.2	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 V
Displacement (cc):	1796	Turning clearance circle/turning circle (m):	10.95/10.30
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg)	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	15.0; 11.0
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	895/845
Valve adjustment:	automatic - hydraulic	Fuel tank capacity (I), location:	52, under rear seats
Fuel system:	sequential multi point fuel injection (SFI), Simtec MS 71		
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Performance	
Fuel pump: Emission control system:	electric, in tank 3-way cat. conv. with 2 oxygen sensors	Top speed (km/h):	207
Output (kW/hp CEE at 1/min):	92/125 at 5600	Acceleration 0-100 km/h (sec)*:	10.5
Specific power (kW/I; hp/I):	51.2; 69.6	Acc. 80-120 km/h in 5th gear (sec)*:	14.5
Max. torque (Nm at 1/min):	170 at 3800	Pass-by noise (dBA):	73
Specific torque (Nm/liter):	94.7	Fuel:	unleaded premium
Mean effective pressure at	54.7	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	1097.7/1190.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Additional equipment can lead to increased
Average piston speed (m/s):	16.5		consumption and CO ₂ values.
Engine oil, capacity (I):	4.25		urban: 11.1
Cooling capacity (I):	6.5		extra-urban: 6.2
Battery 12 V, capacity (Ah):	55		total: 8.0
Alternator 14.2 V, capacity (W):	994	CO ₂ emission (g/km):	192
Alternator 14.2 V, capacity (VV).	334	Emission class:	Euro 4
Tranamiasian			
Transmission		Maintenance	
Drive axle:	front wheel drive		
Transmission, type:	manual	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41		
	4th ratio: 1.12 5th ratio: 0.89	t Desis medel	
	reverse ratio: 3.31 final drive ratio: 3.74	* Basic model	
Clutch, type:	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	4		
Drag coefficient (c,):	0.30*		
Frontal area (A in m^2):	2.01		
Index (c xA):	0.60*		
	0.00		
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound link suspension, torsion tube design with 2 control arms,		
	twin tube gas pressure shock absorbers		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	solid disc, 264		
ABS:	standard equipment		
TC Plus:	standard equipment		
ESP:	standard equipment		

Astra Cabrio 2.2 16V Z22SE 108kW/147hp 5-speed convertible 2 doors

	· ·		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	•	1007
		Length (mm):	4267
Engine data		Width (mm):	1709
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm): Wheelbase (mm):	1390 2606
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1474/1462
Cylinders, number:		Luggage capacity (I) ECIE:	330-1100
Bore (mm):	86	Opening luggage compartment to ground (mm):	608
Stroke (mm):	94.6	Rim width (inch)(mm)/tire size:	6Jx16/205/50 R 16 V
Displacement (cc):	2198	Turning clearance circle/turning circle (m):	10.95/10.30
Compression ratio:	10:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line: 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
Cylinder block/head, material:	aluminum/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	roller rocker with hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	12.9; 9.5
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	935/845
Valve adjustment:	automatic - hydraulic	Fuel tank capacity (I), location:	52, under rear seats
Fuel system:	sequential multi point fuel injection, GM Powertrain		
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Performance	
Fuel pump:	electric, in tank		040
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h): Acceleration 0-100 km/h (sec)*:	216 9.5
Output (kW/hp CEE at 1/min):	108/147 at 5800		9.5 13
Specific power (kW/I; hp/I):	49.1; 66.9	Acc. 80-120 km/h in 5th gear (sec)*: Pass-by noise (dBA):	74
Max. torque (Nm at 1/min):	203 at 4000	Fuel:	unleaded premium
Specific torque (Nm/liter):	92.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Mean effective pressure at	1010 0/4404 4		Additional equipment can lead to increased
max. power/max. torque (kPa):	1016.6/1161.1		consumption and CO_2 values.
Average piston speed (m/s):	18.3 5		urban: 12.3
Engine oil, capacity (I): Cooling capacity (I):	5 6.8		extra-urban: 6.6
Battery 12 V, capacity (Ah):	66		total: 8.7
Alternator 14.2 V, capacity (W):	1420	CO ₂ emission (g/km):	209
Alternator 14.2 V, capacity (W).	1420	Emission class:	Euro 4
Transmission			
		Maintenance	
Drive axle:	front wheel drive	Service intervals:	increation, every 20,000 km or energy a vegr
Transmission, type:	manual	Service Intervals.	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35		
	4th ratio: 0.98 5th ratio: 0.81	* Basic model	
	reverse ratio: 3.31 final drive ratio: 3.95	* Kerb weight (70156 EEC) and 125 kg payload	
Clutch, type:	dry single plate		
Dedu			
Body			
Seats:	4		
Drag coefficient (c _p):	0.30+		
Frontal area (A in m ²):	2.01		
Index (c _w xA):	0.60+		
-			
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound link suspension, torsion tube design with 2 control arms,		
	twin tube gas pressure shock absorbers		
Brakes			
Brake circuits:	2 diagonal		
	2, diagonal ventilated disc, 280		
Brakes front, diameter (mm): Brakes rear, diameter (mm):	solid disc, 280		
ABS:	solid disc, 264 standard equipment		
TC Plus:	standard equipment		
ESP:	standard equipment		

Astra Van 1.6 Z16SE 62kW/85hp 5-speed delivery van 3 doors

option

ABS:

Madalwaan	2001 ½		
Model year: Date:	27.02.01	Weights and dimensions	
Balo.	27.02.01	Length (mm):	4288
Engine data		Width (mm):	1709
-		Height (mm):	1475
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	790-1600
Bore (mm):	79	Opening luggage compartment to ground (mm):	535
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1598	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	9.6:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (SOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (I	
Valve train:	hydraulic tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	19.0; 13.8
Valve, arrangement:	parallel; 2 per cylinder	Max. axle load front/rear (kg):	845/885
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1100/570
Fuel system:	sequential multi point fuel injection (SFI), HSFI 2.1	Trailer hook weight/roof load (kg):	75/100
Ignition system: Fuel pump:	electr. ignition map, ignition coil direct to spark plug electric. in tank	Fuel tank capacity (I), location:	52, under luggage compartment
Emission control system:	electric, in tank 3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	62/85 at 5400	Performance	
Specific power (kW/l; hp/l):	38.8; 53.2	Top speed (km/h):	172
Max. torque (Nm at 1/min):	138 at 2600	Acceleration 0-100 km/h (sec)*:	13.5
Specific torque (Nm/liter):	86.4	Acc. 80-120 km/h in 5th gear (sec)*:	20.5
Mean effective pressure at	00.1	Pass-by noise (dBA):	72
max. power/max. torque (kPa):	862.2/1085.7	Fuel:	unleaded premium
Average piston speed (m/s):	14.7	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	3.5		Additional equipment can lead to increased
Cooling capacity (I):	5.9		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	44		urban: 9.7
Alternator 14.2 V, capacity (W):	994		extra-urban: 5.7
			total: 7.2
Transmission		CO ₂ emission (g/km):	173
	for a first set of the	Emīssion class:	Euro 4
Drive axle:	front wheel drive		
Transmission, type:	manual 1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31	Maintenance	
Gear ratios:	4th ratio: 0.95 5th ratio: 0.76	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.94		
Clutch, type:	dry single plate		
Ciuton, type.	ury single plate	* Basic model	
Dedu		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	2		
Drag coefficient (c _p):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59^{+}		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
·	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
·	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS	option		

Astra Van 1.6 Z16SE 62kW/85hp 4-speed autom. delivery van 3 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4288
Engine data		Width (mm):	1709
Engine data		Height (mm):	1475
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1484/1460
Cylinders, number:	4	Luggage capacity (I) ECIE:	790-1600
Bore (mm):	79	Opening luggage compartment to ground (mm):	535
Stroke (mm):	81.5	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Displacement (cc):	1598	Turning clearance circle/turning circle (m):	10.90/10.25
Compression ratio:	9.6:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (SOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	19.3; 14.1
Valve, arrangement:	parallel; 2 per cylinder automatic - hydraulic	Max. axle load front/rear (kg):	865/885
Valve adjustment: Fuel system:		Trailer load braked/unbraked (kg):	1000/570
Ignition system:	sequential multi point fuel injection (SFI), HSFI 2.1 electr. ignition map, ignition coil direct to spark plug	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	electric, in tank	Fuel tank capacity (I), location:	52, under luggage compartment
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	62/85 at 5400	Performance	
Specific power (kW/l; hp/l):	38.8; 53.2	Top speed (km/h):	167
Max. torque (Nm at 1/min):	138 at 2600	Acceleration 0-100 km/h (sec)*:	15
Specific torque (Nm/liter):	86.4	Pass-by noise (dBA):	71
Mean effective pressure at	00.1	Fuel:	unleaded premium
max. power/max. torque (kPa):	862.2/1085.7	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	14.7		Additional equipment can lead to increased
Engine oil, capacity (I):	3.5		consumption and CO ₂ values.
Cooling capacity (I):	5.8		urban: 11.4
Battery 12 V, capacity (Ah):	44		extra-urban: 6.6
Alternator 14.2 V, capacity (W):	994		total: 8.4
		CO ₂ emission (g/km):	201
Transmission		Emission class:	Euro 4
	for a first sector of the sect		
Drive axle:	front wheel drive	Maintenance	
Transmission, type: Gear ratios:	automatic + lock-up 1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
Geal Tallos.	4th ratio: 0.74		
	reverse ratio: 2.77 final drive ratio: 4.12		
Clutch, type:	torque converter	* Basic model	
Clutch, type.	loique converter	* Kerb weight (70156 EEC) and 125 kg payload	
Dody			
Body			
Seats:	2		
Drag coefficient (c_{D}) :	0.28*		
Frontal area (A in m ²):	2.06		
Index (c _w xA):	0.59*		
.			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
·	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra Van 1.7 DTI 16V Y17DT 55kW/75hp 5-speed delivery van 3 doors

Model year:	2001 ½		
Date:	27.02.01	Weights and dimensions	
		Length (mm):	4288
Engine data		Width (mm):	1709
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	1475
Cooling system:	with liquid, sealed circuit	Wheelbase (mm):	2611
Cylinders, number:	4	Track front/rear (mm):	1484/1472
Bore (mm):	79	Luggage capacity (I) ECIE:	790-1600
Stroke (mm):	86	Opening luggage compartment to ground (mm):	535
Displacement (cc):	1686	Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T 10.90/10.25
Compression ratio:	18.4:1	Turning clearance circle/turning circle (m): Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	direct, bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	22.9; 16.8
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	935/885
Valve adjustment:	manual	Trailer load braked/unbraked (kg):	1100/600
Fuel system:	diesel direct injection	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	mechanical	Fuel tank capacity (I), location:	52, under luggage compartment
Emission control system:	oxidizing catalytic converter		
Charger system:	turbocharger	Performance	
Output (kW/hp CEE at 1/min):	55/75 at 4400		
Specific power (kW/l; hp/l):	32.6; 44.5	Top speed (km/h):	165
Max. torque (Nm at 1/min):	165 at 1800	Acceleration 0-100 km/h (sec)*:	15
Specific torque (Nm/liter):	97.9	Acceleration 0-400/0-1000 m (sec):	20/37
Mean effective pressure at		Acc. 80-120 km/h in 5th gear (sec)*:	20
max. power/max. torque (kPa):	889.7/1230.4	Pass-by noise (dBA):	73
Average piston speed (m/s):	12.6	Fuel:	diesel
Engine oil, capacity (I):	4.5	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Cooling capacity (I):	7.1		Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	70		consumption and CO ₂ values. urban: 6.2
Alternator 14.2 V, capacity (W):	994		extra-urban: 4.1
			total: 4.9
Transmission		CO ₂ emission (g/km):	132
Drive axle:	front wheel drive	Emission class:	Euro 3
Transmission, type:	manual		Edito
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31	Maintenance	
	4th ratio: 0.95 5th ratio: 0.76		
	reverse ratio: 3.31 final drive ratio: 3.55	Service intervals:	inspection: every 30,000 km or once a year
Clutch, type:	dry single plate		
Body		* Basic model	
Seats:	2	* Kerb weight (70156 EEC) and 125 kg payload	
Drag coefficient (c_):	0.28*		
Frontal area (A in m^2):	2.06		
Index (c xA):	0.59*		
	0.05		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
A. 25 - 101	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Drahas			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	drum		
ABS:	option		

Astra Van 2.0 DI 16V Y20DTL 60kW/82hp 4-speed autom. delivery van 3 doors

	,		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4288
		Width (mm):	1709
Engine data		Height (mm):	1475
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined		2611
Cooling system:	with liquid, sealed circuit	Wheelbase (mm):	
		Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	790-1600
Bore (mm):	84	Opening luggage compartment to ground (mm):	535
Stroke (mm):	90	Rim width (inch)(mm)/tire size:	5.5Jx14/185/65 R 14 T
Displacement (cc):	1995	Turning clearance circle/turning circle (m):	10.70/10.05
Compression ratio:	18.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (OHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	direct, bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	22.1; 16.2
Valve, arrangement:	parallel; 4 per cylinder	Max. axle load front/rear (kg):	995/885
Valve adjustment:	automatic - hydraulic		
		Trailer load braked/unbraked (kg):	1200/665
Fuel system:	diesel direct injection	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	mechanical	Fuel tank capacity (I), location:	52, under luggage compartment
Emission control system:	oxidizing catalytic converter		
Output (kW/hp CEE at 1/min):	60/82 at 4300	Performance	
Specific power (kW/l; hp/l):	30.1; 41.1		105
Max. torque (Nm at 1/min):	185 at 1500	Top speed (km/h):	165
Specific torque (Nm/liter):	92.7	Acceleration 0-100 km/h (sec)*:	16
Mean effective pressure at		Pass-by noise (dBA):	71
max. power/max. torque (kPa):	839.3/1165.8	Fuel:	diesel
Average piston speed (m/s):	12.9	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	5.5		Additional equipment can lead to increased
Cooling capacity (I):	7.8		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	70		urban: 9.0
			extra-urban: 5.6
Alternator 14.2 V, capacity (W):	994		total: 6.9
		CO ₂ emission (g/km):	186
Transmission		Emission class:	
Drive axle:	front wheel drive	Emission class:	Euro 3
Transmission, type:	automatic + lock-up		
		Maintenance	
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.00		
	reverse ratio: 4.02 final drive ratio: 2.60		
Clutch, type:	torque converter	t Denie werdel	
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
5	_		
Seats:	2		
Drag coefficient (c _p):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c _w xA):	0.59*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 256		
Brakes rear, diameter (mm):	disc, 240		
ABS:	option		
		I	

Astra Van 2.0 DTI 16V Y20DTH 74kW/100hp 5-speed delivery van 3 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	-	1089
		Length (mm):	4288 1709
Engine data		Width (mm):	
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	1475
		Wheelbase (mm):	2611
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1452
Cylinders, number:	4	Luggage capacity (I) ECIE:	790-1600
Bore (mm):	84	Opening luggage compartment to ground (mm):	535
Stroke (mm):	90	Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Displacement (cc):	1995	Turning clearance circle/turning circle (m):	10.70/10.05
Compression ratio:	18.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	power steering, 17
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (OHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg)	: 1325/1860/435
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	17.9; 13.3
Valve, arrangement:	parallel; 4 per cylinder	Max. axle load front/rear (kg):	995/885
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1300/635
Fuel system:	diesel direct injection	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	mechanical	Fuel tank capacity (I), location:	52, under rear seats
Emission control system:	oxidizing catalytic converter		
Charger system:	turbocharger	Performance	
Output (kW/hp CEE at 1/min):	74/100 at 4300		
Specific power (kW/l; hp/l):	37.1; 50.1	Top speed (km/h):	188
Max. torque (Nm at 1/min):	230 at 1950	Acceleration 0-100 km/h (sec)*:	12
Specific torque (Nm/liter):	115.3	Acc. 80-120 km/h in 5th gear (sec)*:	13.5
Mean effective pressure at		Pass-by noise (dBA):	72
max. power/max. torque (kPa):	1035.1/1449.4	Fuel:	diesel
Average piston speed (m/s):	12.9	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	5.5		Additional equipment can lead to increased
Cooling capacity (I):	7.9		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	70		urban: 7.6
Alternator 14.2 V, capacity (W):	994		extra-urban: 4.6
	001		total: 5.7
Tranamianian		CO ₂ emission (g/km):	154
Transmission		Emission class:	Euro 3
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19		
	4th ratio: 0.85 5th ratio: 0.69	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.31 final drive ratio: 3.63		
Clutch, type:	dry single plate		
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	2		
Drag coefficient (c _p):	0.28*		
Frontal area (A in m ²):	2.06		
Index (c "xA):	0.59*		
Chassis			
	index and ant with here an autoframe. MaDhannan strute		
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	option		
	οριοτι	I	

Zafira 1.6 16V Z16XE 74kW/100hp 5-speed compact van 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4317
F : I :		Width (mm):	1742
Engine data		Height (mm):	1634
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2694
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1470/1487
Cylinders, number:	4	Luggage capacity (I) ECIE (7/5/2 seats):	150/600/1700
Bore (mm):	79	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
Stroke (mm):	81.5	Turning clearance circle/turning circle (m):	11.20/10.50
Displacement (cc):	1598	Steer. wheel turns lock/lock:	3.1
Compression ratio:	10.5:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	18.8; 13.9
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	915/1055
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1150/600
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/75
Fuel system:	sequential multi point fuel injection	Fuel tank capacity (I), location:	58, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug	i dei tank capacity (i), iocation.	So, under rear sears
Fuel pump:	electric, in tank	Destaura	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	74/100 at 6000	Top speed (km/h):	176
Specific power (kW/l; hp/l):	46.3; 62.6	Acceleration 0-100 km/h (sec)*:	13
Max. torque (Nm at 1/min):	150 at 3600	Acc. 80-120 km/h in 5th gear (sec)*:	16.5
Specific torque (Nm/liter):	93.9	Pass-by noise (dBA):	73
Mean effective pressure at	53.5	Fuel:	unleaded premium 95 RON
max. power/max. torque (kPa):	926.2/1180.1	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	16.3	,	Additional equipment can lead to increased
			consumption and CO ₂ values.
Engine oil, capacity (I):	3.5 6.3		urban: 10.3
Cooling capacity (I): Battery 12 V, capacity (Ah):	44		extra-urban: 6.5
Alternator 14.2 V, capacity (All).			total: 7.9
Alternator 14.2 v, capacity (vv):	994	CO ₂ emission (g/km):	190
		Emission class:	EURO 4
Transmission			
Drive axle:	front wheel drive	Maintonanaa	
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 4.19		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Podu.			
Body			
Seats:	2-7, variable seating system "Flex 7"		
Drag coefficient (c _p):	0.33*		
Frontal area (A in m ²):	2.39		
Index (c "xA):	0.78*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
wheel suspension non.			
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Dual as			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc		
ABS:	option		
	'		

Zafira 1.8 16V Z18XE 92kW/125hp 5-speed compact van 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4317
		Width (mm):	1742
Engine data		Height (mm):	1634
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2694
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1470/1487
Cylinders, number:	4	Luggage capacity (I) ECIE (7/5/2 seats):	150/600/1700
Bore (mm):	80.5	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
Stroke (mm):	88.2		
Displacement (cc):	1796	Turning clearance circle/turning circle (m):	11.20/10.50
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 17
	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:		Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location: Valve train:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	15.7; 11.6
	hydraulic bucket tappets	Max. axle load front/rear (kg):	935/1055
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1300/600
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/75
Fuel system:	sequential multi point fuel injection, Simtec MS 71	Fuel tank capacity (I), location:	58, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h):	188
Output (kW/hp CEE at 1/min):	92/125 at 5600	Acceleration 0-100 km/h (sec)*:	11.5
Specific power (kW/l; hp/l):	51.2; 69.6		11.5
Max. torque (Nm at 1/min):	170 at 3800	Acc. 80-120 km/h in 5th gear (sec)*:	
Specific torque (Nm/liter):	94.7	Pass-by noise (dBA):	73
Mean effective pressure at			unleaded premium 95 RON
max. power/max. torque (kPa):	1097.7/1190.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	16.5		Additional equipment can lead to increased
Engine oil, capacity (I):	4.25		consumption and CO ₂ values.
Cooling capacity (I):	6.5		urban: 11.4
Battery 12 V, capacity (Ah):	44		extra-urban: 6.9
Alternator 14.2 V, capacity (W):	994		total: 5.6
		CO ₂ emission (g/km):	207
Transmission		Emission class:	Euro 4
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41	Service Intervals.	inspection. every 50,000 km of once a year
	4th ratio: 1.12 5th ratio: 0.89		
	reverse ratio: 3.31 final drive ratio: 4.19	t Dania madal	
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	2-7, variable seating system "Flex 7"		
	0.33 ⁺		
Drag coefficient (c_{D}):			
Frontal area (A in m ²):	2.39		
Index (c _w xA):	0.78*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
wheel suspension real.	twin tube gas pressure shock absorbers		
Anti roll bar:			
And foil bal.	front		
Ductor			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	option		
TC Plus:	option		
ESP:	option		
	opilon	I	

Zafira 1.8 16V Z18XE 92kW/125hp 4-speed autom. compact van 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4317
Engine data		Width (mm):	1742
-	front transmission front of outs 70 COL formula listing d	Height (mm):	1634
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2694
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1470/1487
Cylinders, number:	4	Luggage capacity (I) ECIE (7/5/2 seats):	150/600/1700
Bore (mm):	80.5	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
Stroke (mm):	88.2	Turning clearance circle/turning circle (m):	11.20/10.50
Displacement (cc):	1796	Steer. wheel turns lock/lock:	3.1
Compression ratio:	10.5:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings		
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
		Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	15.9; 11.7
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	955/1055
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1200/600
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/75
Fuel system:	sequential multi point fuel injection, Simtec MS 71	Fuel tank capacity (I), location:	58, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		,
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	92/125 at 5600	Top speed (km/h):	180
		Acceleration 0-100 km/h (sec)*:	13
Specific power (kW/l; hp/l):	51.2; 69.6	Pass-by noise (dBA):	71
Max. torque (Nm at 1/min):	170 at 3800	Fuel:	unleaded premium 95 RON
Specific torque (Nm/liter):	94.7	Fuel consumption (liter/100 km):	
Mean effective pressure at		Fuer consumption (intel/100 km).	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	1097.7/1190.0		Additional equipment can lead to increased
Average piston speed (m/s):	16.5		consumption and CO ₂ values.
Engine oil, capacity (I):	4.25		urban: 12.4
Cooling capacity (I):	6.4		extra-urban: 7.2
Battery 12 V, capacity (Ah):	44		total: 9.1
Alternator 14.2 V, capacity (W):	994	CO ₂ emission (g/km):	219
Alternator 14.2 V, capacity (VV).	994	Emission class:	Euro 4
_			
Transmission		Maintononaa	
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	automatic + lock-up	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		
Geal fallos.			
	4th ratio: 0.74	* Basic model	
	reverse ratio: 2.77 final drive ratio: 4.12	* Kerb weight (70156 EEC) and 125 kg payload	
Clutch, type:	torque converter	Reib weight (70150 EEC) and 125 kg payload	
Body			
Seats:	2-7, variable seating system "Flex 7"		
Drag coefficient (c_{D}):	0.33*		
Frontal area (A in m ²):	2.39		
Index (c "xA):	0.78*		
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
DIANES			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	option		
TC Plus:	option		
ESP:	option		

Zafira 2.0 DTI 16V Y20DTH 74kW/100hp 5-speed compact van 5 doors

Model year:	2001 ½		
Date:	2001 22	Weights and dimensions	
Date.	27.02.01	Length (mm):	4317
Engine data		Width (mm):	1742
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Height (mm):	1634
Cooling system:	with liquid, sealed circuit	Wheelbase (mm):	2694
Cylinders, number:	4	Track front/rear (mm):	1470/1487
Bore (mm):	84	Luggage capacity (I) ECIE (7/5/2 seats): Rim width (inch)(mm)/tire size:	150/600/1700 6Jx15/195/65 R 15 H
Stroke (mm):	90	Turning clearance circle/turning circle (m):	11.20/10.50
Displacement (cc):	1995	Steer. wheel turns lock/lock:	3.1
Compression ratio:	18.5:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (
Camshaft(s), location:	1 overhead (OHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	21.1; 15.6
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	1045/1055
Valve, arrangement:	parallel; 4 per cylinder	Trailer load braked/unbraked (kg):	1100/600
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/75
Fuel system:	diesel direct injection	Fuel tank capacity (I), location:	58, under rear seats
Fuel pump:	mechanical		
Emission control system:	oxidizing catalytic converter	Performance	
Charger system:	turbocharger	Top speed (km/h):	175
Output (kW/hp CEE at 1/min):	74/100 at 4300	Acceleration 0-100 km/h (sec)*:	14
Specific power (kW/l; hp/l): Max. torque (Nm at 1/min):	37.1; 50.1 230 at 1950	Acc. 80-120 km/h in 5th gear (sec)*:	14.5
Specific torque (Nm/liter):	115.3	Pass-by noise (dBA):	73
Mean effective pressure at	113.5	Fuel:	diesel
max. power/max. torque (kPa):	1035.1/1449.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	12.9	, ,	Additional equipment can lead to increased
Engine oil, capacity (I):	5.5		consumption and CO ₂ values.
Cooling capacity (I):	7.9		urban: 8.4
Battery 12 V, capacity (Ah):	70		extra-urban: 5.5
Alternator 14.2 V, capacity (W):	994		total: 6.6
		CO ₂ emission (g/km):	178
Transmission		Emission class:	Euro 3
Drive axle:	front wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.85 5th ratio: 0.69		
	reverse ratio: 3.31 final drive ratio: 4.17		
Clutch, type:	dry single plate	⁺ Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	2-7, variable seating system "Flex 7"		
Drag coefficient (c _s):	0.33 ⁺		
Frontal area (A in m^2):	2.39		
Index (c xA):	0.78+		
Chassis			
	independent wickhang on subframe MaRharoon struts		
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
W/heel evenencien reen	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers		
Anti roll bar:	front		
	non		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	option		
	л		

Zafira 2.2 16V Z22SE 108kW/147hp 5-speed compact van 5 doors

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Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	-	4317
		Length (mm):	
Engine data		Width (mm):	1742
Engine, location:	front transverse in front of aver 10° backward inclined	Height (mm):	1634
	front, transverse in front of axle, 10° backward inclined	Wheelbase (mm):	2694
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1470/1487
Cylinders, number:	4	Luggage capacity (I) ECIE (7/5/2 seats):	150/600/1700
Bore (mm):	86	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
Stroke (mm):	94.6	Turning clearance circle/turning circle (m):	11.20/10.50
Displacement (cc):	2198	Steer. wheel turns lock/lock:	3.1
Compression ratio:	10:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	aluminum/aluminum	Kerb weight/max. allowable weight/additional load (k	g): 1475/2000/525
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	13.7; 10.0
Valve train:	roller rocker with hydraulic bucket tappets	Max. axle load front/rear (kg):	965/1055
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1400/600
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/75
Fuel system:	sequential multi point fuel injection	Fuel tank capacity (I), location:	58, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		,
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	108/147 at 5800	Top speed (km/h):	200
Specific power (kW/l; hp/l):	49.1; 66.9	Acceleration 0-100 km/h (sec)*:	10
Max. torque (Nm at 1/min):	203 at 4000	Acc. 80-120 km/h in 5th gear (sec)*:	14
Specific torque (Nm/liter):	92.4	Pass-by noise (dBA):	74
Mean effective pressure at		Fuel:	unleaded premium 95 RON
max. power/max. torque (kPa):	1016.6/1161.1	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	18.3		Additional equipment can lead to increased
Engine oil, capacity (I):	5		consumption and CO ₂ values.
Cooling capacity (I):	6.8		urban: 12.2
Battery 12 V, capacity (Ah):	66		extra-urban: 7.0
Alternator 14.2 V, capacity (W):	1420		total: 8.9
Alternator 14.2 v, capacity (vv).	1420	CO ₂ emission (g/km):	214
<u> </u>		Emission class:	Euro 4
Transmission			20.01
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual		
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.98 5th ratio: 0.81		
	reverse ratio: 3.31 final drive ratio: 4.17		
Clutch, type:	dry single plate	* Basic model	
elaten, type.		* Kerb weight (70156 EEC) and 125 kg payload	
Dedu			
Body			
Seats:	2-7, variable seating system "Flex 7"		
Drag coefficient (c _p):	0.33*		
Frontal area (A in m ²):	2.39		
Index (c "xA):	0.78*		
(w)			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	option		
TC Plus:	standard equipment		
ESP:	option		
	· F	1 I	

Zafira 2.2 16V Z22SE 108kW/147hp 4-speed autom. compact van 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	•	1017
		Length (mm):	4317
Engine data		Width (mm):	1742
-		Height (mm):	1634
Engine, location:	front, transverse in front of axle, 10° backward inclined	Wheelbase (mm):	2694
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1470/1487
Cylinders, number:	4	Luggage capacity (I) ECIE (7/5/2 seats):	150/600/1700
Bore (mm):	86	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
Stroke (mm):	94.6	Turning clearance circle/turning circle (m):	11.20/10.50
Displacement (cc):	2198	Steer. wheel turns lock/lock:	3.1
Compression ratio:	10:1	Steering, ratio:	electrhydr. power steering, 17
Engine, type:	in line; 5 main bearings	Steering, ratio. Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	aluminum/aluminum		
		Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location:	2 overhead (DOHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	13.8; 10.2
Valve train:	roller rocker with hydraulic bucket tappets	Max. axle load front/rear (kg):	985/1055
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1400/600
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	75/75
Fuel system:	sequential multi point fuel injection	Fuel tank capacity (I), location:	58, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	108/147 at 5800	Top speed (km/h):	188
Specific power (kW/l; hp/l):	49.1; 66.9	Acceleration 0-100 km/h (sec)*:	11
Max. torque (Nm at 1/min):	203 at 4000	Pass-by noise (dBA):	73
Specific torque (Nm/liter):	92.4	Fuel:	unleaded premium 95 RON
Mean effective pressure at	32.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
		· · · · · · · · · · · · · · · · · · ·	Additional equipment can lead to increased
max. power/max. torque (kPa):	1016.6/1161.1		consumption and CO_2 values.
Average piston speed (m/s):	18.3		urban: 13.1
Engine oil, capacity (I):	5		extra-urban: 7.4
Cooling capacity (I):	6.6		
Battery 12 V, capacity (Ah):	66		total: 9.5
Alternator 14.2 V, capacity (W):	1420	CO ₂ emission (g/km):	228
		Emission class:	Euro 4
Transmission			
		Maintenance	
Drive axle:	front wheel drive		in an atting a second
Transmission, type:	automatic + lock-up	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39		
	4th ratio: 1.00		
	reverse ratio: 4.02 final drive ratio: 2.81	⁺ Basic model	
Clutch, type:	torque converter + shiftlock system	* Kerb weight (70156 EEC) and 125 kg payload	
, .).			
Rody			
Body			
Seats:	2-7, variable seating system "Flex 7"		
Drag coefficient (c):	0.33+		
Frontal area (A in m ²):	2.39		
Index (c _w xA):	0.78*		
Chassis			
Chassis			
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	compound torsion beam axle, coil springs,		
	twin tube gas pressure shock absorbers		
Anti roll bar:			
	front		
Drokoo			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	disc, 264		
ABS:	option		
TC Plus:	standard equipment		
ESP:	option		
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Vectra GL 1.6 16V Z16XE 74kW/100hp 5-speed notchback 4 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
Engine dete		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
ingine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Weights and dimensions	
Bore (mm):	79		
Stroke (mm):	81.5	Length (mm):	4495
Displacement (cc):	1598	Width (mm):	1707
Compression ratio:	10.5:1	Height (mm):	1425
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2637
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1464/1467
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Luggage capacity (I) ECIE:	500-1240
/alve train:	hydraulic bucket tappets	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
/alve, arrangement:	v; 4 per cylinder	Turning clearance circle/turning circle (m):	11.3/10.65
/alve adjustment:	automatic - hydraulic	Steer. wheel turns lock/lock:	2.97
uel system:	sequential multi point fuel injection	Steering, ratio:	power steering, 16.5
gnition system:	electr. ignition map, ignition coil direct to spark plug	Steering wheel outside diameter (mm):	380
uel pump:	electric, in tank	Kerb weight/max. allowable weight/additional load (ke	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Power to weight ratio (kg/kW; kg/hp)(empty):	18.0; 13.3
		Max. axle load front/rear (kg):	905/945
Dutput (kW/hp CEE at 1/min):	74/100 at 6000	Trailer load braked/unbraked (kg):	1300/665
specific power (kW/l; hp/l):	46.3; 62.6	Trailer hook weight/roof load (kg):	75/100
Max. torque (Nm at 1/min):	150 at 3600	Fuel tank capacity (I), location:	60, under rear seats
Specific torque (Nm/liter):	93.9		oo, under real seals
Mean effective pressure at		D (
nax. power/max. torque (kPa):	926.2/1180.1	Performance	
verage piston speed (m/s):	16.3	Top speed (km/h):	188
Engine oil, capacity (I):	3.25	Acceleration 0-100 km/h (sec)*:	12.5
Cooling capacity (I):	6.7	Acc. 80-120 km/h in 5th gear (sec)*:	19.5
Battery 12 V, capacity (Ah):	44	Pass-by noise (dBA):	72
Alternator 14.2 V, capacity (W):	994	Fuel:	unleaded premium
		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/
Transmission			Additional equipment can lead to increased
			consumption and CO ₂ values.
Drive axle:	front wheel drive		urban: 9.8
Transmission, type:	manual		extra-urban: 5.6
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31		
	4th ratio: 0.95 5th ratio: 0.76		
	reverse ratio: 3.31 final drive ratio: 4.19	CO ₂ emission (g/km):	171
Clutch, type:	dry single plate	Emission class:	Euro 4
Body		Maintenance	
Seats:	5	Service intervals:	inspection: every 30,000 km or once a year
Drag coefficient (c,):	0.30+		
Frontal area (A in m²):	2.038 0.62*	* Basic model	
ndex (c "xA):	0.62	* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Vheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Vheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
nti roll bar:	front + rear		
	Hone Fred	I	

Vectra GL 1.6 16V Z16XE 74kW/100hp 4-speed autom. notchback 4 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	ABO.	standard equipment
Cylinders, number:	4		
Bore (mm):	79	Weights and dimensions	
Stroke (mm):	81.5	Length (mm):	4495
		Width (mm):	1707
Displacement (cc):	1598	Height (mm):	1425
Compression ratio:	10.5:1	Wheelbase (mm):	2637
Engine, type:	in line; 5 main bearings	Track front/rear (mm):	1464/1467
Cylinder block/head, material:	cast iron/aluminum		
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Luggage capacity (I) ECIE:	500-1240
/alve train:	hydraulic bucket tappets	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
/alve, arrangement:	v; 4 per cylinder	Turning clearance circle/turning circle (m):	11.3/10.65
/alve adjustment:	automatic - hydraulic	Steer. wheel turns lock/lock:	2.97
Fuel system:	sequential multi point fuel injection	Steering, ratio:	power steering, 16.5
gnition system:	electr. ignition map, ignition coil direct to spark plug	Steering wheel outside diameter (mm):	380
Fuel pump:	electric. in tank	Kerb weight/max. allowable weight/additional load (kg): 1345/1800/455
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Power to weight ratio (kg/kW; kg/hp)(empty):	18.2; 13.5
Dutput (kW/hp CEE at 1/min):	74/100 at 6000	Max. axle load front/rear (kg):	920/945
	46.3: 62.6	Trailer load braked/unbraked (kg):	1300/665
Specific power (kW/l; hp/l):		Trailer hook weight/roof load (kg):	75/100
Max. torque (Nm at 1/min):	150 at 3600	Fuel tank capacity (I), location:	60, under rear seats
Specific torque (Nm/liter):	93.9	i dei tank capacity (i), iocation.	
Mean effective pressure at		5 (
nax. power/max. torque (kPa):	926.2/1180.1	Performance	
Average piston speed (m/s):	16.3	Top speed (km/h):	178
Engine oil, capacity (I):	3.25	Acceleration 0-100 km/h (sec)*:	14.5
Cooling capacity (I):	6.9	Pass-by noise (dBA):	71
Battery 12 V, capacity (Ah):	44	Fuel:	unleaded premium
Alternator 14.2 V, capacity (W):	994		Measured according to EU guideline 99/100/
		Fuel consumption (liter/100 km):	
Transmission			Additional equipment can lead to increased
Transmission			consumption and CO ₂ values.
Drive axle:	front wheel drive		urban: 11.3
Fransmission, type:	automatic + lock-up		extra-urban: 6.2
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		total: 8.1
	4th ratio: 0.74	CO ₂ emission (g/km):	195
	reverse ratio: 2.77 final drive ratio: 4.12	Emission class:	Euro 4
Clutch, type:	dry single plate		
Sidicil, type.	ury single plate	Maintenance	
_			
Body		Service intervals:	inspection: every 30,000 km or once a year
Seats:	5		
Drag coefficient (c,):	0.30*		
Frontal area (A in m ²):	2.038	* Basic model	
ndex (c "xA):	0.62*	* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:			
meet suspension real.	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		

Vectra GL 1.6 16V Z16XE 74kW/100hp 5-speed hatchback 5 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
Frankra data		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Weighte and dimensione	
Bore (mm):	79	Weights and dimensions	
Stroke (mm):	81.5	Length (mm):	4495
Displacement (cc):	1598	Width (mm):	1707
Compression ratio:	10.5:1	Height (mm):	1425
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2637
		Track front/rear (mm):	1464/1467
Cylinder block/head, material:	cast iron/aluminum	Luggage capacity (I) ECIE:	480-1180
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Opening luggage compartment to ground (mm):	806
/alve train:	hydraulic bucket tappets	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
/alve, arrangement:	v; 4 per cylinder		11.3/10.65
/alve adjustment:	automatic - hydraulic	Turning clearance circle/turning circle (m):	
Fuel system:	sequential multi point fuel injection	Steer. wheel turns lock/lock:	2.97
gnition system:	electr. ignition map, ignition coil direct to spark plug	Steering, ratio:	power steering, 16.5
uel pump:	electric, in tank	Steering wheel outside diameter (mm):	380
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Kerb weight/max. allowable weight/additional load (kg	
Dutput (kW/hp CEE at 1/min):	74/100 at 6000	Power to weight ratio (kg/kW; kg/hp)(empty):	18.2; 13.5
Specific power (kW/l; hp/l):	46.3: 62.6	Max. axle load front/rear (kg):	905/945
Max. torque (Nm at 1/min):	150 at 3600	Trailer load braked/unbraked (kg):	1300/665
Specific torque (Nm/liter):	93.9	Trailer hook weight/roof load (kg):	75/100
Aean effective pressure at	55.5	Fuel tank capacity (I), location:	60, under rear seats
nax. power/max. torque (kPa):	926.2/1180.1		,
		Performance	
Average piston speed (m/s):	16.3		
Engine oil, capacity (I):	3.25	Top speed (km/h):	188
Cooling capacity (I):	6.7	Acceleration 0-100 km/h (sec)*:	12.5
Battery 12 V, capacity (Ah):	44	Acc. 80-120 km/h in 5th gear (sec)*:	19.5
Alternator 14.2 V, capacity (W):	994	Pass-by noise (dBA):	72
		Fuel:	unleaded premium
Transmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EL
			Additional equipment can lead to increased
Drive axle:	front wheel drive		consumption and CO_2 values.
Transmission, type:	manual		urban: 9.8
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31		
	4th ratio: 0.95 5th ratio: 0.76		extra-urban: 5.6
	reverse ratio: 3.31 final drive ratio: 4.19		total: 7.1
Clutch, type:	dry single plate	CO ₂ emission (g/km):	171
		Emíssion class:	Euro 4
Body			
		Maintenance	
Seats:	5		· · · · · · · · · · · · · · · · · · ·
Drag coefficient (c _p):	0.30*	Service intervals:	inspection: every 30,000 km or once a year
Frontal area (A in m ²):	2.027		
ndex (c "xA):	0.61+		
(w)		* Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
Vheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Vheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
•	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		

Vectra GL 1.6 16V Z16XE 74kW/100hp 4-speed autom. hatchback 5 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
The state state		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc. 286
Engine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit		olandara oquipmont
Cylinders, number:	4	Maighto and dimensions	
Bore (mm):	79	Weights and dimensions	
Stroke (mm):	81.5	Length (mm):	4495
Displacement (cc):	1598	Width (mm):	1707
Compression ratio:	10.5:1	Height (mm):	1425
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2637
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1464/1467
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Luggage capacity (I) ECIE:	480-1180
		Opening luggage compartment to ground (mm):	806
/alve train:	hydraulic bucket tappets	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
/alve, arrangement:	v; 4 per cylinder	Turning clearance circle/turning circle (m):	11.3/10.65
/alve adjustment:	automatic - hydraulic	Steer, wheel turns lock/lock:	2.97
uel system:	sequential multi point fuel injection	Steering, ratio:	power steering, 16.5
gnition system:	electr. ignition map, ignition coil direct to spark plug	Steering wheel outside diameter (mm):	380
Fuel pump:	electric, in tank	Kerb weight/max. allowable weight/additional load (kg	
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Dutput (kW/hp CEE at 1/min):	74/100 at 6000	Power to weight ratio (kg/kW; kg/hp)(empty):	18.4; 13.6
Specific power (kW/l; hp/l):	46.3; 62.6	Max. axle load front/rear (kg):	920/945
Max. torque (Nm at 1/min):	150 at 3600	Trailer load braked/unbraked (kg):	1300/665
Specific torque (Nm/liter):	93.9	Trailer hook weight/roof load (kg):	75/100
Mean effective pressure at		Fuel tank capacity (I), location:	60, under rear seats
max. power/max. torque (kPa):	926.2/1180.1		
Average piston speed (m/s):	16.3	Performance	
Engine oil, capacity (I):	3.25	Top speed (km/h):	178
Cooling capacity (I):	6.9	Acceleration 0-100 km/h (sec)*:	14.5
Battery 12 V, capacity (Ah):	44		
Alternator 14.2 V, capacity (W):	994	Pass-by noise (dBA):	71
		Fuel:	unleaded premium
Transmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/E
			Additional equipment can lead to increased
Drive axle:	front wheel drive		consumption and CO ₂ values.
Transmission, type:	automatic + lock-up		urban: 11.3
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		extra-urban: 5.2
	4th ratio: 0.74		total: 8.1
	reverse ratio: 2.77 final drive ratio: 4.12	CO ₂ emission (g/km):	195
Clutch, type:	dry single plate	Emission class:	Euro 4
Body		Maintenance	
•	F	Service intervals:	inspection: every 30,000 km or once a year
Seats:	5		meredian avery action with a bride d year
Drag coefficient (c _p):	0.30*		
Frontal area (A in m ²):	2.027	* Basic model	
ndex (c _w xA):	0.61*	* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
	index and art. McDhannan at the 121 beau and 14		
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe, gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm.		
mieei suspension real.	multifunctional damping element		
hati rall hari	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		

Vectra Caravan GL 1.6 16V Z16XE 74kW/100hp 5-speed station wagon 5 doors

lodel year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
ingine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	Ab3.	standard equipment
Cylinders, number:	4		
Bore (mm):	79	Weights and dimensions	
stroke (mm):	81.5	Length (mm):	4490
Displacement (cc):	1598	Width (mm):	1707
		Height (mm):	1490
Compression ratio:	10.5:1	Wheelbase (mm):	2637
ngine, type:	in line; 5 main bearings	Track front/rear (mm):	1464/1463
ylinder block/head, material:	cast iron/aluminum	Luggage capacity (I) ECIE:	460-1490
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Opening luggage compartment to ground (mm):	856
alve train:	hydraulic bucket tappets	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
alve, arrangement:	v; 4 per cylinder	Turning clearance circle/turning circle (m):	11.3/10.65
alve adjustment:	automatic - hydraulic	Steer. wheel turns lock/lock:	
uel system:	sequential multi point fuel injection		2.97
gnition system:	electr. ignition map, ignition coil direct to spark plug	Steering, ratio:	power steering, 16.5
uel pump:	electric, in tank	Steering wheel outside diameter (mm):	380
mission control system:	3-way cat. conv. with 2 oxygen sensors	Kerb weight/max. allowable weight/additional load (kg	
Dutput (kW/hp CEE at 1/min):	74/100 at 6000	Power to weight ratio (kg/kW; kg/hp)(empty):	18.6; 13.8
pecific power (kW/l; hp/l):	46.3; 62.6	Max. axle load front/rear (kg):	905/1000
lax. torque (Nm at 1/min):	150 at 3600	Trailer load braked/unbraked (kg):	1200/685
pecific torque (Nm/liter):	93.9	Trailer hook weight/roof load (kg):	75/100
lean effective pressure at		Fuel tank capacity (I), location:	60, under rear seats
nax. power/max. torque (kPa):	926.2/1180.1		
verage piston speed (m/s):	16.3	Performance	
ingine oil, capacity (I):	3.25		
Cooling capacity (I):	6.7	Top speed (km/h):	180
attery 12 V, capacity (Ah):	44	Acceleration 0-100 km/h (sec)*:	13
Iternator 14.2 V, capacity (W):	994	Acc. 80-120 km/h in 5th gear (sec)*:	20.5
alemator 14.2 v, capacity (vv).	994	Pass-by noise (dBA):	72
		Fuel:	unleaded premium
ransmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/E
Drive axle:	front wheel drive		Additional equipment can lead to increased
ransmission, type:	manual		consumption and CO ₂ values.
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31		urban: 9.9
	4th ratio: 0.95 5th ratio: 0.76		extra-urban: 5.8
	reverse ratio: 3.31 final drive ratio: 4.19		total: 7.3
Clutch, type:	dry single plate	CO ₂ emission (g/km):	175
nuton, type.	ary single place	Emission class:	Euro 4
Body		Maintonanco	
eats:	5	Maintenance	
Drag coefficient (c_):	0.32*	Service intervals:	inspection: every 30,000 km or once a year
frontal area (A in m^2):	2.060		· · · ·
ndex (c xA):	0.66+		
	0.00	* Basic model	
No ' .		* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
/heel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
/heel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
nti roll bar:	front + rear		

Vectra Caravan GL 1.6 16V Z16XE 74kW/100hp 4-speed autom. station wagon 5 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
E e el e e el e (e		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc. 286
Engine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid. sealed circuit	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	otanaara oquipmont
Cylinders, number:	4		
Bore (mm):	79	Weights and dimensions	
Stroke (mm):	81.5	Length (mm):	4490
	1598	Width (mm):	1707
Displacement (cc):		Height (mm):	1490
Compression ratio:	10.5:1	Wheelbase (mm):	2637
Engine, type:	in line; 5 main bearings		
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1464/1463
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Luggage capacity (I) ECIE:	460-1490
Valve train:	hydraulic bucket tappets	Opening luggage compartment to ground (mm):	856
Valve, arrangement:	v; 4 per cylinder	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
Valve adjustment:	automatic - hydraulic	Turning clearance circle/turning circle (m):	11.3/10.65
Fuel system:	sequential multi point fuel injection	Steer. wheel turns lock/lock:	2.97
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steering, ratio:	power steering, 16.5
Fuel pump:	electric, in tank	Steering wheel outside diameter (mm):	380
		Kerb weight/max. allowable weight/additional load (kg	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Power to weight ratio (kg/kW; kg/hp)(empty):	18.8; 13.9
Output (kW/hp CEE at 1/min):	74/100 at 6000	Max. axle load front/rear (kg):	920/1000
Specific power (kW/l; hp/l):	46.3; 62.6	Trailer load braked/unbraked (kg):	1200/685
Max. torque (Nm at 1/min):	150 at 3600		
Specific torque (Nm/liter):	93.9	Trailer hook weight/roof load (kg):	75/100
Mean effective pressure at		Fuel tank capacity (I), location:	60, under rear seats
max. power/max. torque (kPa):	926.2/1180.1		
Average piston speed (m/s):	16.3	Performance	
Engine oil, capacity (I):	3.25		
Cooling capacity (I):	6.9	Top speed (km/h):	170
Battery 12 V, capacity (Ah):	44	Acceleration 0-100 km/h (sec)*:	15
	994	Pass-by noise (dBA):	71
Alternator 14.2 V, capacity (W):	994	Fuel:	unleaded premium
		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/E
Transmission			Additional equipment can lead to increased
Drive axle:	front wheel drive		consumption and CO ₂ values.
			urban: 11.3
Transmission, type:	automatic + lock-up		extra-urban: 6.2
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		total: 8.1
	4th ratio: 0.74	CO2 emission (a/km):	195
	reverse ratio: 2.77 final drive ratio: 4.12		
Clutch, type:	torque converter	Emission class:	Euro 4
Body		Maintenance	
		Service intervals:	inspection: overy 20,000 km or appa a visor
Seats:	5	Service intervals.	inspection: every 30,000 km or once a year
Drag coefficient (c _p):	0.32*		
Frontal area (A in m ²):	2.060		
Index (c "xA):	0.66+	* Basic model	
VV V		* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
Anti roll bar:	gas pre-loaded shock absorbers front + rear		

Vectra GL 1.8 16V Z18XE 92kW/125hp 5-speed notchback 4 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits: Brakes front, diameter (mm):	2, diagonal ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Waights and dimensions	
Bore (mm):	80.5	Weights and dimensions	
Stroke (mm):	88.2	Length (mm):	4495
Displacement (cc):	1796	Width (mm):	1707
Compression ratio:	10.5:1	Height (mm):	1425
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2637
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1464/1467
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Luggage capacity (I) ECIE:	500-1240
Valve train:	hydraulic bucket tappets	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
Valve, arrangement:	v; 4 per cylinder	Turning clearance circle/turning circle (m):	11.3/10.65
Valve adjustment:	automatic - hydraulic	Steer. wheel turns lock/lock:	2.97
Fuel system:	sequential multi point fuel injection	Steering, ratio:	power steering, 16.5
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steering wheel outside diameter (mm):	380
Fuel pump:	electric, in tank	Kerb weight/max. allowable weight/additional load (kg	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Power to weight ratio (kg/kW; kg/hp)(empty):	14.6; 10.8
Output (kW/hp CEE at 1/min):	92/125 at 5600	Max. axle load front/rear (kg):	920/945
Specific power (kW/l; hp/l):	51.2; 69.6	Trailer load braked/unbraked (kg):	1450/670
Max. torque (Nm at 1/min):	170 at 3800	Trailer hook weight/roof load (kg):	75/100
Specific torque (Nm/liter):	94.7	Fuel tank capacity (I), location:	60, under rear seats
Mean effective pressure at			
max. power/max. torque (kPa):	1097.7/1190.0	Performance	
Average piston speed (m/s):	16.5	Top speed (km/h):	208
Engine oil, capacity (I):	4.25	Acceleration 0-100 km/h (sec)*:	10.5
Cooling capacity (I):	6.8	Acc. 80-120 km/h in 5th gear (sec)*:	18.5
Battery 12 V, capacity (Ah):	44	Pass-by noise (dBA):	72
Alternator 14.2 V, capacity (W):	994	Fuel:	unleaded premium 95 RON
		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU
Transmission			Additional equipment can lead to increased
Drive axle:	front wheel drive		consumption and CO ₂ values.
Transmission, type:	manual		urban: 10.7
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31		extra-urban: 5.8
	4th ratio: 0.95 5th ratio: 0.76		total: 7.6
	reverse ratio: 3.31 final drive ratio: 3.94	CO ₂ emission (g/km):	183
Clutch, type:	dry single plate	Emission class:	Euro 4
		Malatana	
Body		Maintenance	
Seats:	5	Service intervals:	inspection: every 30,000 km or once a year
Drag coefficient (c,):	0.30+		
Frontal area (A in m ²):	2.038		
Index (c "xA):	0.62+	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
	front i roor		
Anti roll bar:	front + rear		

Vectra GL 1.8 16V Z18XE 92kW/125hp 4-speed autom. notchback 4 doors

Nodel year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
ingine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Weighte and dimensions	
Bore (mm):	80.5	Weights and dimensions	
Stroke (mm):	88.2	Length (mm):	4495
Displacement (cc):	1796	Width (mm):	1707
Compression ratio:	10.5:1	Height (mm):	1425
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2637
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1464/1467
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Luggage capacity (I) ECIE:	500-1240
/alve train:	hydraulic bucket tappets	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
/alve, arrangement:	v; 4 per cylinder	Turning clearance circle/turning circle (m):	11.3/10.65
		Steer. wheel turns lock/lock:	2.97
alve adjustment:	automatic - hydraulic	Steering, ratio:	power steering, 16.5
uel system:	sequential multi point fuel injection	Steering wheel outside diameter (mm):	380
gnition system:	electr. ignition map, ignition coil direct to spark plug	Kerb weight/max. allowable weight/additional load (kg	
uel pump:	electric, in tank	Power to weight ratio (kg/kW; kg/hp)(empty):	14.8; 10.9
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Max. axle load front/rear (kg):	935/945
Dutput (kW/hp CEE at 1/min):	92/125 at 5600		
Specific power (kW/I; hp/I):	51.2; 69.6	Trailer load braked/unbraked (kg):	1450/670
/lax. torque (Nm at 1/min):	170 at 3800	Trailer hook weight/roof load (kg):	75/100
Specific torque (Nm/liter):	94.7	Fuel tank capacity (I), location:	60, under rear seats
Aean effective pressure at			
nax. power/max. torque (kPa):	1097.7/1190.0	Performance	
verage piston speed (m/s):	16.5	Top speed (km/h):	200
Engine oil, capacity (I):	4.25		
Cooling capacity (I):	7.0	Acceleration 0-100 km/h (sec)*:	12
Battery 12 V, capacity (Ah):	44	Pass-by noise (dBA):	72
Alternator 14.2 V, capacity (W):	994	Fuel:	unleaded premium 95 RON
	004	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/
F			Additional equipment can lead to increased
Fransmission			consumption and CO ₂ values.
Drive axle:	front wheel drive		urban: 12.1
ransmission, type:	automatic + lock-up		extra-urban: 6.6
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		total: 8.6
	4th ratio: 0.74	CO ₂ emission (g/km):	207
	reverse ratio: 2.77 final drive ratio: 4.12	Emission class:	Euro 4
Clutch, type:	dry single plate		
siaton, typo.		Maintenance	
De du i			
Body		Service intervals:	inspection: every 30,000 km or once a year
Seats:	5		
Drag coefficient (c):	0.30+		
Frontal area (A in m ²):	2.038	* Basic model	
ndex (c "xA):	0.62*	* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Vheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Vheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm.		
vileei suspension real.			
	multifunctional damping element		
	gas pre-loaded shock absorbers front + rear		
Anti roll bar:			

Vectra GL 1.8 16V Z18XE 92kW/125hp 5-speed hatchback 5 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
En aliana alasta		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Weights and dimensions	
Bore (mm):	80.5		1105
Stroke (mm):	88.2	Length (mm):	4495
Displacement (cc):	1796	Width (mm):	1707
Compression ratio:	10.5:1	Height (mm):	1425
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2637
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1464/1467 480-1180
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Luggage capacity (I) ECIE:	
Valve train:	hydraulic bucket tappets	Opening luggage compartment to ground (mm): Rim width (inch)(mm)/tire size:	806
Valve, arrangement:	v; 4 per cylinder		6Jx15/195/65 R 15 H 11.3/10.65
Valve adjustment:	automatic - hydraulic	Turning clearance circle/turning circle (m):	2.97
Fuel system:	sequential multi point fuel injection	Steer. wheel turns lock/lock: Steering, ratio:	
Ignition system:	electr. ignition map, ignition coil direct to spark plug		power steering, 16.5 380
Fuel pump:	electric, in tank	Steering wheel outside diameter (mm): Kerb weight/max. allowable weight/additional load (ke	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Power to weight ratio (kg/kW; kg/hp)(empty):	14.8; 10.9
Output (kW/hp CEE at 1/min):	92/125 at 5600	Max. axle load front/rear (kg):	920/945
Specific power (kW/l; hp/l):	51.2; 69.6	Trailer load braked/unbraked (kg):	920/945 1450/670
Max. torque (Nm at 1/min):	170 at 3800	Trailer hook weight/roof load (kg):	75/100
Specific torque (Nm/liter):	94.7	Fuel tank capacity (I), location:	60, under rear seats
Mean effective pressure at		i dei tank capacity (i), iocation.	oo, ulluel leal seals
max. power/max. torque (kPa):	1097.7/1190.0	Derfermenter	
Average piston speed (m/s):	16.5	Performance	
Engine oil, capacity (I):	4.25	Top speed (km/h):	208
Cooling capacity (I):	6.8	Acceleration 0-100 km/h (sec)*:	10.5
Battery 12 V, capacity (Ah):	44	Acc. 80-120 km/h in 5th gear (sec)*:	18.5
Alternator 14.2 V, capacity (W):	994	Pass-by noise (dBA):	72
		Fuel:	unleaded premium 95 RON
Transmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Drive axle:	front wheel drive		Additional equipment can lead to increased
Transmission, type:	manual		consumption and CO ₂ values.
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31		urban: 10.7
	4th ratio: 0.95 5th ratio: 0.76		extra-urban: 5.8
	reverse ratio: 3.31 final drive ratio: 3.94		total: 7.5
Clutch, type:	dry single plate	CO ₂ emission (g/km):	183
		Emission class:	Euro 4
Body			
5	_	Maintenance	
Seats:	5	Service intervals:	inspection: every 30,000 km or once a year
Drag coefficient (c_{D}):	0.30*		inspection. every 50,000 km of once a year
Frontal area (A in m ²):	2.027		
Index (c _w xA):	0.61*	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		
		,	

Vectra GL 1.8 16V Z18XE 92kW/125hp 4-speed autom. hatchback 5 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc. 286
Engine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Weighte and dimensions	
Bore (mm):	80.5	Weights and dimensions	
Stroke (mm):	88.2	Length (mm):	4495
Displacement (cc):	1796	Width (mm):	1707
Compression ratio:	10.5:1	Height (mm):	1425
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2637
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1464/1467
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Luggage capacity (I) ECIE:	480-1180
		Opening luggage compartment to ground (mm):	806
/alve train:	hydraulic bucket tappets	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
/alve, arrangement:	v; 4 per cylinder	Turning clearance circle/turning circle (m):	11.3/10.65
/alve adjustment:	automatic - hydraulic	Steer. wheel turns lock/lock:	2.97
Fuel system:	sequential multi point fuel injection		
gnition system:	electr. ignition map, ignition coil direct to spark plug	Steering, ratio:	power steering, 16.5
Fuel pump:	electric, in tank	Steering wheel outside diameter (mm):	380
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Kerb weight/max. allowable weight/additional load (kg	
Output (kW/hp CEE at 1/min):	92/125 at 5600	Power to weight ratio (kg/kW; kg/hp)(empty):	14.9; 11.0
Specific power (kW/l; hp/l):	51.2; 69.6	Max. axle load front/rear (kg):	935/945
Max. torque (Nm at 1/min):	170 at 3800	Trailer load braked/unbraked (kg):	1450/670
Specific torque (Nm/liter):	94.7	Trailer hook weight/roof load (kg):	75/100
Mean effective pressure at	54.7	Fuel tank capacity (I), location:	60, under rear seats
nax. power/max. torque (kPa):	1097.7/1190.0		,
		Performance	
Average piston speed (m/s):	16.5		
Engine oil, capacity (I):	4.25	Top speed (km/h):	200
Cooling capacity (I):	7.0	Acceleration 0-100 km/h (sec)*:	12
Battery 12 V, capacity (Ah):	44	Pass-by noise (dBA):	72
Alternator 14.2 V, capacity (W):	994	Fuel:	unleaded premium 95 RON
		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU
Transmission		,	Additional equipment can lead to increased
Drive axle:	front wheel drive		consumption and CO_2 values.
			urban: 12.1
Transmission, type:	automatic + lock-up		extra-urban: 6.6
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		total: 8.6
	4th ratio: 0.74	co_{α} amignion $(a/l/m)$	
	reverse ratio: 2.77 final drive ratio: 4.12	CO ₂ emission (g/km):	207
Clutch, type:	dry single plate	Emission class:	Euro 4
Body		Maintenance	
Seats:	5	Service intervals:	inspection: every 30,000 km or once a year
	5 0.30⁺		
Drag coefficient (c _p):			
Frontal area (A in m ²):	2.027	* Basic model	
Index (c _w xA):	0.61*	* Kerb weight (70156 EEC) and 125 kg payload	
- · · ·		Kerb weight (10100 EEO) and 120 kg payload	
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Nhool suspension rear:	multi-link suspension+2 transverse+1longitudinal arm.		
Wheel suspension rear:			
	multifunctional damping element		
N - 2	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		

Vectra Caravan GL 1.8 16V Z18XE 92kW/125hp 5-speed station wagon 5 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc. 288
Engine data		Brakes rear, diameter (mm):	disc. 286
Engine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Waighte and dimensione	
Bore (mm):	80.5	Weights and dimensions	
Stroke (mm):	88.2	Length (mm):	4490
Displacement (cc):	1796	Width (mm):	1707
Compression ratio:	10.5:1	Height (mm):	1490
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2637
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1464/1463
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Luggage capacity (I) ECIE:	460-1490
Valve train:	hydraulic bucket tappets	Opening luggage compartment to ground (mm):	856
		Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
Valve, arrangement:	v; 4 per cylinder	Turning clearance circle/turning circle (m):	11.3/10.65
Valve adjustment:	automatic - hydraulic	Steer. wheel turns lock/lock:	2.97
Fuel system:	sequential multi point fuel injection	Steering, ratio:	power steering, 16.5
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steering wheel outside diameter (mm):	380
Fuel pump:	electric, in tank	Kerb weight/max. allowable weight/additional load (kg	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Power to weight ratio (kg/kW; kg/hp)(empty):	15.1; 11.1
Output (kW/hp CEE at 1/min):	92/125 at 5600		
Specific power (kW/l; hp/l):	51.2; 69.6	Max. axle load front/rear (kg):	920/1025
Max. torque (Nm at 1/min):	170 at 3800	Trailer load braked/unbraked (kg):	1350/695
Specific torque (Nm/liter):	94.7	Trailer hook weight/roof load (kg):	75/100
Mean effective pressure at		Fuel tank capacity (I), location:	60, under rear seats
max. power/max. torque (kPa):	1097.7/1190.0		
Average piston speed (m/s):	16.5	Performance	
Engine oil, capacity (I):	4.25	Top speed (km/h):	200
Cooling capacity (I):	6.8	Acceleration 0-100 km/h (sec)*:	11
Battery 12 V, capacity (Ah):	44	Acc. 80-120 km/h in 5th gear (sec)*:	19.5
Alternator 14.2 V, capacity (W):	994		
		Pass-by noise (dBA):	72
Transmission		Fuel:	unleaded premium 95 RON
Transmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/E
Drive axle:	front wheel drive		Additional equipment can lead to increased
Transmission, type:	manual		consumption and CO ₂ values.
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31		urban: 10.8
	4th ratio: 0.95 5th ratio: 0.76		extra-urban: 6
	reverse ratio: 3.31 final drive ratio: 3.94		total: 7.8
Clutch, type:	dry single plate	CO ₂ emission (g/km):	187
		Emission class:	Euro 4
Dadu			
Body		Maintenance	
Seats:	5		
Drag coefficient (c _p):	0.32*	Service intervals:	inspection: every 30,000 km or once a year
Frontal area (A in m ²):	2.060		
Index (c "xA):	0.66+		
		* Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe, gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		

Vectra Caravan GL 1.8 16V Z18XE 92kW/125hp 4-speed autom. station wagon 5 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Weights and dimensions	
Bore (mm):	80.5		4.400
Stroke (mm):	88.2	Length (mm):	4490
Displacement (cc):	1796	Width (mm):	1707
Compression ratio:	10.5:1	Height (mm):	1490
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2637
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1464/1463
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Luggage capacity (I) ECIE:	460-1490
Valve train:	hydraulic bucket tappets	Opening luggage compartment to ground (mm):	856
Valve, arrangement:	v; 4 per cylinder	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
Valve adjustment:	automatic - hydraulic	Turning clearance circle/turning circle (m):	11.3/10.65
Fuel system:	sequential multi point fuel injection	Steer. wheel turns lock/lock:	2.97
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steering, ratio:	power steering, 16.5
Fuel pump:	electric, in tank	Steering wheel outside diameter (mm):	380
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Kerb weight/max. allowable weight/additional load (kg	
Output (kW/hp CEE at 1/min):	92/125 at 5600	Power to weight ratio (kg/kW; kg/hp)(empty):	15.1; 11.1
Specific power (kW/l; hp/l):	51.2; 69.6	Max. axle load front/rear (kg):	935/1025
Max. torque (Nm at 1/min):	170 at 3800	Trailer load braked/unbraked (kg):	1400/695
Specific torque (Nm/liter):	94.7	Trailer hook weight/roof load (kg):	75/100
Mean effective pressure at		Fuel tank capacity (I), location:	60, under rear seats
max. power/max. torque (kPa):	1097.7/1190.0		
Average piston speed (m/s):	16.5	Performance	
Engine oil, capacity (I):	4.25	Top speed (km/h):	192
Cooling capacity (I):	7.0	Acceleration 0-100 km/h (sec)*:	12.5
Battery 12 V, capacity (Ah):	44	Pass-by noise (dBA):	72
Alternator 14.2 V, capacity (W):	994	Fuel:	unleaded premium 95 RON
		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Transmission			Additional equipment can lead to increased
Drive axle:	front wheel drive		consumption and CO ₂ values.
Transmission, type:	automatic + lock-up		urban: 12.2
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00		extra-urban: 6.8
Geal failes.	4th ratio: 0.74		total: 8.8
	reverse ratio: 2.77 final drive ratio: 4.12	CO ₂ emission (g/km):	211
Clutch, type:	torque converter	Emission class:	Euro 4
Cidicil, type.	lorque conventer		
Dadu		Maintenance	
Body			in an anti-an anna 20 000 lum an anna a suara
Seats:	5	Service intervals:	inspection: every 30,000 km or once a year
Drag coefficient (c _D):	0.32*		
Frontal area (A in m ²):	2.060		
Index (c "xA):	0.66+	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Whool suspension rear:	gas pre-loaded struts multi-link suspension+2 transverse+1longitudinal arm,		
Wheel suspension rear:	multifunctional damping element		
	qas pre-loaded shock absorbers		
Anti roll bar:	gas pre-loaded snock absorbers front + rear		
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Vectra GL 2.0 DTI 16V Y20DTH 74kW/100hp 5-speed notchback 4 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
Enaine data		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7°50° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Waighta and dimensiona	
Bore (mm):	84	Weights and dimensions	
Stroke (mm):	90	Length (mm):	4495
Displacement (cc):	1994	Width (mm):	1707
Compression ratio:	18.5:1	Height (mm):	1425
		Wheelbase (mm):	2637
Engine, type:	in line; 5 main bearings	Track front/rear (mm):	1464/1467
Cylinder block/head, material:	cast iron/aluminum	Luggage capacity (I) ECIE:	500-1240
Camshaft(s), location:	1 overhead (OHC), driven by chain	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 T
Valve train:	hydraulic bucket tappets		
Valve, arrangement:	parallel; 4 per cylinder	Turning clearance circle/turning circle (m):	11.3/10.65
Valve adjustment:	automatic - hydraulic	Steer. wheel turns lock/lock:	2.97
Fuel system:	diesel direct injection	Steering, ratio:	power steering, 16.5
Fuel pump:	mechanical	Steering wheel outside diameter (mm):	380
Emission control system:	2-way cat. conv. (oxidizing catalytic	Kerb weight/max. allowable weight/additional load (kg	
····	converter), exhaust gas recirculation	Power to weight ratio (kg/kW; kg/hp)(empty):	19.6; 14.5
Output (kW/hp CEE at 1/min):	74/100 at 4300	Max. axle load front/rear (kg):	1025/945
Specific power (kW/I; hp/I):	37.1; 50.2	Trailer load braked/unbraked (kg):	1300/725
Max. torque (Nm at 1/min):	230 at 1950	Trailer hook weight/roof load (kg):	75/100
		Fuel tank capacity (I), location:	60, under rear seats
Specific torque (Nm/liter):	115.3	i dei taim capacity (i), iocaitem	
Mean effective pressure at		De aferrar a ser	
max. power/max. torque (kPa):	1035.7/1450.1	Performance	
Average piston speed (m/s):	12.9	Top speed (km/h):	195
Engine oil, capacity (I):	5.5	Acceleration 0-100 km/h (sec)*:	13
Cooling capacity (I):	7.7	Acc. 80-120 km/h in 5th gear (sec)*:	14
Battery 12 V, capacity (Ah):	70	Pass-by noise (dBA):	72
Alternator 14.2 V, capacity (W):	994	Fuel:	diesel
,,,(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Tranamiasian		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/E
Transmission			Additional equipment can lead to increased
Drive axle:	front wheel drive		consumption and CO ₂ values.
Transmission, type:	manual		urban: 7.7
Gear ratios:	1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19		extra-urban: 4.5
	4th ratio: 0.85 5th ratio: 0.69		total: 5.7
	reverse ratio: 3.31 final drive ratio: 3.74	CO ₂ emission (g/km):	154
Clutch, type:	dry single plate	Emission class:	Euro 3
Ciuten, type.	diy single plate		
D a alt i		Maintenance	
Body			
Seats:	5	Service intervals:	inspection: every 30,000 km or once a year
Drag coefficient (c,):	0.30+		
Frontal area (A in m^2):	2.038		
Index (c "xA):	0.62*	* Basic model	
	0.62	* Kerb weight (70156 EEC) and 125 kg payload	
o			
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
· · · · · · · · · · · · · · · · · · ·	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		

Vectra GL 2.0 DTI 16V Y20DTH 74kW/100hp 5-speed hatchback 5 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits: Brakes front, diameter (mm):	2, diagonal ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	ABS:	
Cooling system:	with liquid, sealed circuit	ADS.	standard equipment
Cylinders, number:	4		
		Weights and dimensions	
Bore (mm):	84	Length (mm):	4495
Stroke (mm):	90	Width (mm):	1707
Displacement (cc):	1994		1425
Compression ratio:	18.5:1	Height (mm):	
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2637
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1464/1467
Camshaft(s), location:	1 overhead (OHC), driven by chain	Luggage capacity (I) ECIE:	480-1180
/alve train:	hydraulic bucket tappets	Opening luggage compartment to ground (mm):	806
/alve, arrangement:	parallel; 4 per cylinder	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 T
/alve adjustment:	automatic - hydraulic	Turning clearance circle/turning circle (m):	11.3/10.65
Fuel system:	diesel direct injection	Steer. wheel turns lock/lock:	2.97
Fuel pump:	mechanical	Steering, ratio:	power steering, 16.5
		Steering wheel outside diameter (mm):	380
Emission control system:	2-way cat. conv. (oxidizing catalytic	Kerb weight/max. allowable weight/additional load (kg	
	converter), exhaust gas recirculation	Power to weight ratio (kg/kW; kg/hp)(empty):	19.8: 14.7
Dutput (kW/hp CEE at 1/min):	74/100 at 4300		
Specific power (kW/l; hp/l):	37.1; 50.2	Max. axle load front/rear (kg):	1025/945
/lax. torque (Nm at 1/min):	230 at 1950	Trailer load braked/unbraked (kg):	1300/725
Specific torque (Nm/liter):	115.3	Trailer hook weight/roof load (kg):	75/100
Aean effective pressure at		Fuel tank capacity (I), location:	60, under rear seats
nax. power/max. torque (kPa):	1035.7/1450.1		
Average piston speed (m/s):	12.9	Performance	
Engine oil, capacity (I):	5.5		
Cooling capacity (I):	7.7	Top speed (km/h):	195
	70	Acceleration 0-100 km/h (sec)*:	13
Battery 12 V, capacity (Ah):		Acc. 80-120 km/h in 5th gear (sec)*:	14
Alternator 14.2 V, capacity (W):	994	Pass-by noise (dBA):	72
		Fuel:	diesel
Fransmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/E
Drive axle:	front wheel drive	,	Additional equipment can lead to increased
			consumption and CO ₂ values.
ransmission, type:	manual		urban: 7.7
Gear ratios:	1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19		extra-urban: 4.5
	4th ratio: 0.85 5th ratio: 0.69		total: 5.7
	reverse ratio: 3.31 final drive ratio: 3.74		
Clutch, type:	dry single plate	CO ₂ emission (g/km):	154
		Emission class:	Euro 3
Body			
		Maintenance	
Seats:	5		in
Drag coefficient (c _p):	0.30*	Service intervals:	inspection: every 30,000 km or once a year
rontal area (A in m ²):	2.027		
ndex (c "xA):	0.61*		
(w)		⁺ Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
Vheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Vheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		
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Vectra Caravan GL 2.0 DTI 16V Y20DTH 74kW/100hp 5-speed station wagon 5 doors

lodel year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
ingine, location:	front, transverse in front of axle, 7° 50' forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Waighta and dimanaiana	
Bore (mm):	84	Weights and dimensions	
Stroke (mm):	90	Length (mm):	4490
Displacement (cc):	1994	Width (mm):	1707
Compression ratio:	18.5:1	Height (mm):	1490
ingine, type:	in line; 5 main bearings	Wheelbase (mm):	2637
Cylinder block/head, material:	cast iron/aluminum	Track front/rear (mm):	1464/1463
		Luggage capacity (I) ECIE:	460-1490
Camshaft(s), location:	1 overhead (OHC), driven by chain	Opening luggage compartment to ground (mm):	856
/alve train:	hydraulic bucket tappets	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 T
alve, arrangement:	parallel; 4 per cylinder	Turning clearance circle/turning circle (m):	11.3/10.65
alve adjustment:	automatic - hydraulic	Steer. wheel turns lock/lock:	2.97
uel system:	diesel direct injection	Steering, ratio:	
uel pump:	mechanical		power steering, 16.5
mission control system:	2-way cat. conv. (oxidizing catalytic	Steering wheel outside diameter (mm):	380
	converter), exhaust gas recirculation	Kerb weight/max. allowable weight/additional load (kg	
Dutput (kW/hp CEE at 1/min):	74/100 at 4300	Power to weight ratio (kg/kW; kg/hp)(empty):	20.2; 15.0
Specific power (kW/l; hp/l):	37.1; 50.2	Max. axle load front/rear (kg):	1025/1000
fax. torque (Nm at 1/min):	230 at 1950	Trailer load braked/unbraked (kg):	1200/745
specific torque (Nm/liter):	115.3	Trailer hook weight/roof load (kg):	75/100
lean effective pressure at		Fuel tank capacity (I), location:	60, under rear seats
nax. power/max. torque (kPa):	1035.7/1450.1		
verage piston speed (m/s):	12.9	Performance	
Engine oil, capacity (I):	5.5		
	7.7	Top speed (km/h):	188
Cooling capacity (I):		Acceleration 0-100 km/h (sec)*:	13.5
Battery 12 V, capacity (Ah):	70	Acc. 80-120 km/h in 5th gear (sec)*:	15
Iternator 14.2 V, capacity (W):	994	Pass-by noise (dBA):	72
		Fuel:	diesel
Fransmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/E
Drive axle:	front wheel drive		Additional equipment can lead to increased
ransmission, type:	manual		consumption and CO ₂ values.
Gear ratios:	1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19		urban: 7.8
			extra-urban: 4.7
	4th ratio: 0.85 5th ratio: 0.69		total: 5.8
	reverse ratio: 3.31 final drive ratio: 3.74	CO ₂ emission (g/km):	157
Clutch, type:	dry single plate	Emission class:	Euro 3
		Emission class.	Euro 3
Body			
Seats:	5	Maintenance	
		Service intervals:	inspection: every 30,000 km or once a year
Drag coefficient (c _p):	0.32*		
rontal area (A in m ²):	2.060		
ndex (c _w xA):	0.66+	⁺ Dania madal	
		* Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
	independent McDharaan strute wishhana, an subframe		
Vheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Vheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
nti roll bar:	front + rear		

Vectra GL 2.2 DTI 16V Y22DTR 92kW/125hp 5-speed notchback 4 doors

	n izonp o speca netonback 4 acers		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4495
– · · · ·		Width (mm):	1707
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2637
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1467
Cylinders, number:	4	Luggage capacity (I) ECIE:	500-1240
Bore (mm): Stroke (mm):	84 98	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
Displacement (cc):	2171	Turning clearance circle/turning circle (m): Steer. wheel turns lock/lock:	11.3/10.65 2.97
Compression ratio:	18.5:1	Steering, ratio:	power steering, 16.5
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	380
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location:	1 overhead (SOHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	15.8; 11.6
Valve train:	hydraulic bucket tappets	Max. axle load front/rear (kg):	1025/945
Valve, arrangement:	parallel; 4 per cylinder automatic - hydraulic	Trailer load braked/unbraked (kg):	1500/725
Valve adjustment: Fuel system:	diesel direct injection	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	mechanical	Fuel tank capacity (I), location:	60, under rear seats
Emission control system:	2-way cat. conv.	Dorformance	
Output (kW/hp CEE at 1/min):	92/125 at 4000	Performance	
Specific power (kW/I; hp/I):	42.4; 57.6	Top speed (km/h):	207
Max. torque (Nm at 1/min):	270 at 1500	Acceleration 0-100 km/h (sec)*: Acc. 80-120 km/h in 5th gear (sec)*:	10.5 12.5
Specific torque (Nm/liter):	124.4	Pass-by noise (dBA):	73
Mean effective pressure at max. power/max. torque (kPa):	1271.3/1563.5	Fuel:	diesel
Average piston speed (m/s):	13.1	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	5.5		Additional equipment can lead to increased
Cooling capacity (I):	7.7		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	70		urban: 9.0
Alternator 14.2 V, capacity (W):	1704		extra-urban: 5.0
		CO ₂ emission (g/km):	total: 6.5 176
Transmission		Emission class:	Euro 3
Drive axle:	front wheel drive		24.00
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.67 2nd ratio: 1.88 3rd ratio: 1.18	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.89 5th ratio: 0.66	Service Intervals.	inspection. every 50,000 km of once a year
Clutch, type:	reverse ratio: 3.43 final drive ratio: 3.61 dry single plate		
Oldion, type.		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
,	_		
Seats: Drag coefficient (c_):	5 0.30+		
Frontal area (A in m^2):	2.038		
Index (c xA):	0.62*		
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
wheel suspension none.	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		
Drahaa			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 288		
Brakes rear, diameter (mm): ABS:	disc, 286 standard equipment		
	standard equipment		

Vectra GL 2.2 DTI 16V Y22DTR 92kW/125hp 5-speed hatchback 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4495
		Width (mm):	1707
Engine data		Height (mm):	1425
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2637
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	4	Track front/rear (mm):	1464/1467
	84	Luggage capacity (I) ECIE:	480-1180
Bore (mm):	98	Opening luggage compartment to ground (mm):	806
Stroke (mm):		Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
Displacement (cc):	2171	Turning clearance circle/turning circle (m):	11.3/10.65
Compression ratio:	18.5:1	Steer. wheel turns lock/lock:	2.97
Engine, type:	in line; 5 main bearings	Steering, ratio:	power steering, 16.5
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (SOHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg)	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	15.9; 11.7
Valve, arrangement:	parallel; 4 per cylinder	Max. axle load front/rear (kg):	1025/945
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1500/725
Fuel system:	diesel direct injection	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	mechanical	Fuel tank capacity (I), location:	60, under rear seats
Emission control system:	2-way cat. conv.		
Output (kW/hp CEE at 1/min):	92/125 at 4000	Performance	
Specific power (kW/l; hp/l):	42.4; 57.6		007
Max. torque (Nm at 1/min):	270 at 1500	Top speed (km/h):	207
Specific torque (Nm/liter):	124.4	Acceleration 0-100 km/h (sec)*:	10.5
Mean effective pressure at		Acc. 80-120 km/h in 5th gear (sec)*:	12.5
max. power/max. torque (kPa):	1271.3/1563.5	Pass-by noise (dBA):	73
Average piston speed (m/s):	13.1	Fuel:	diesel
Engine oil, capacity (I):	5.5	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Cooling capacity (I):	7.7		Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	70		consumption and CO ₂ values.
Alternator 14.2 V, capacity (W):	1704		urban: 9.0
			extra-urban: 5.0
Transmission			total: 6.5
		CO ₂ emission (g/km):	176
Drive axle:	front wheel drive	Emission class:	Euro 3
Transmission, type:	manual		
Gear ratios:	1st ratio: 3.67 2nd ratio: 1.88 3rd ratio: 1.18	Maintenance	
	4th ratio: 0.89 5th ratio: 0.66	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.43 final drive ratio: 3.61	Service intervals.	inspection. every 50,000 km of once a year
Clutch, type:	dry single plate		
		[†] Dasia madal	
Body		* Basic model	
Seats:	5	* Kerb weight (70156 EEC) and 125 kg payload	
Drag coefficient (c):	0.30 ⁺		
Frontal area (A in m^2):	2.027		
	0.61*		
Index (c _w xA):	0.01		
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 288		
Brakes rear, diameter (mm):	disc, 286		
ABS:	standard equipment		

Vectra Caravan GL 2.2 DTI 16V Y22DTR 92kW/125hp 5-speed station wagon 5 doors

	TZZDIN SZRWIZSIP S-speed station wagon 5 doors		
Model year:	2001 ½ 27.02.01	Weights and dimensions	
Date:	27.02.01	Length (mm):	4490
Engine data		Width (mm): Height (mm):	1707 1490
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2637
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1464/1463
Cylinders, number:	4	Luggage capacity (I) ECIE:	460-1490
Bore (mm):	84	Opening luggage compartment to ground (mm):	856
Stroke (mm):	98	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 H
Displacement (cc): Compression ratio:	2171 18.5:1	Turning clearance circle/turning circle (m):	11.3/10.65
Engine, type:	in line; 5 main bearings	Steer. wheel turns lock/lock: Steering, ratio:	2.97 power steering, 16.5
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (SOHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg)	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	16.3; 12.0
Valve, arrangement:	parallel; 4 per cylinder	Max. axle load front/rear (kg):	1025/1000
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1400/745
Fuel system:	diesel direct injection	Trailer hook weight/roof load (kg):	75/100
Fuel pump: Emission control system:	mechanical 2-way cat. conv.	Fuel tank capacity (I), location:	60, under rear seats
Output (kW/hp CEE at 1/min):	92/125 at 4000	Destaura	
Specific power (kW/l; hp/l):	42.4; 57.6	Performance	
Max. torque (Nm at 1/min):	270 at 1500	Top speed (km/h):	200
Specific torque (Nm/liter):	124.4	Acceleration 0-100 km/h (sec)*:	11
Mean effective pressure at		Acc. 80-120 km/h in 5th gear (sec)*: Pass-by noise (dBA):	13 73
max. power/max. torque (kPa):	1271.3/1563.5	Fuel:	diesel
Average piston speed (m/s):	13.1	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I): Cooling capacity (I):	5.5 7.7		Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	70		consumption and CO ₂ values.
Alternator 14.2 V, capacity (W):	1704		urban: 9.1
· ····································			extra-urban: 5.2
Transmission			total: 6.6
Drive axle:	front wheel drive	CO ₂ emission (g/km):	178 Fund 0
Transmission, type:	manual	Emission class:	Euro 3
Gear ratios:	1st ratio: 3.67 2nd ratio: 1.88 3rd ratio: 1.18	Maintananaa	
	4th ratio: 0.89 5th ratio: 0.66	Maintenance	
	reverse ratio: 3.43 final drive ratio: 3.61	Service intervals:	inspection: every 30,000 km or once a year
Clutch, type:	dry single plate		
D 1		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	5		
Drag coefficient (c_{p}):	0.32*		
Frontal area (A in m ²):	2.060		
Index (c "xA):	0.66*		
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
Wheel suspension rear:	gas pre-loaded struts multi-link suspension+2 transverse+1longitudinal arm,		
wheel suspension real.	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		
_ .			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 288		
Brakes rear, diameter (mm): ABS:	disc, 286 standard equipment		
	Stanuaru equipment		

Vectra GL 2.2 16V Z22SE 108kW/147hp 5-speed notchback 4 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
Engine dete		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7°° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	TC Plus:	standard equipment
Cylinders, number:	4		
Bore (mm):	86 94.6	Weights and dimensions	
Stroke (mm): Displacement (cc):	2198	Length (mm):	4495
Compression ratio:	10:1	Width (mm):	1707
Engine, type:	in line; 5 main bearings	Height (mm):	1425
Cylinder block/head, material:	aluminum/aluminum	Wheelbase (mm):	2637
Camshaft(s), location:	2 overhead (2 DOHC), driven by chain	Track front/rear (mm):	1464/1467
Valve train:	roller rocker with hydraulic bucket tappets	Luggage capacity (I) ECIE:	500-1240
Valve, arrangement:	v; 4 per cylinder	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 V
Valve adjustment:	automatic - hydraulic	Turning clearance circle/turning circle (m):	11.3/10.65 2.97
Fuel system:	sequential multi point fuel injection	Steer. wheel turns lock/lock: Steering, ratio:	2.97 power steering, 16.5
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steering wheel outside diameter (mm):	380
Fuel pump:	electric, in tank	Kerb weight/max. allowable weight/additional load (kg	
Emission control system: Output (kW/hp CEE at 1/min):	3-way cat. conv. with 2 oxygen sensors 108/147 at 5800	Power to weight ratio (kg/kW; kg/hp)(empty):	12.9; 9.5
Specific power (kW/l; hp/l):	49.1: 66.9	Max. axle load front/rear (kg):	965/945
Max. torque (Nm at 1/min):	203 at 4000	Trailer load braked/unbraked (kg):	1500/695
Specific torque (Nm/liter):	92.4	Trailer hook weight/roof load (kg):	75/100
Mean effective pressure at	02.1	Fuel tank capacity (I), location:	60, under rear seats
max. power/max. torgue (kPa):	1016.6/1161.1		
Average piston speed (m/s):	18.3	Performance	
Engine oil, capacity (I):	5	Top speed (km/h):	218
Cooling capacity (I):	7.2	Acceleration 0-100 km/h (sec)*:	9.5
Battery 12 V, capacity (Ah):	66	Acc. 80-120 km/h in 5th gear (sec)*:	13.5
Alternator 14.2 V, capacity (W):	1420	Pass-by noise (dBA):	73
		Fuel:	unleaded premium 95 RON
Transmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Drive axle:	front wheel drive		Additional equipment can lead to increased
Transmission, type:	manual		consumption and CO ₂ values.
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35		urban: 12 [–] extra-urban: 6.3
	4th ratio: 0.98 5th ratio: 0.81		total: 8.4
	reverse ratio: 3.31 final drive ratio: 3.95	CO ₂ emission (g/km):	202
Clutch, type:	dry single plate	Emission class:	Euro 4
Body		Maintenance	
Seats:	5		· · · · · · · · · · · · · · · · · · ·
Drag coefficient (c_{D}):	0.30*	Service intervals:	inspection: every 30,000 km or once a year
Frontal area (A in m ²):	2.038		
Index (c "xA):	0.62^{+}	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		

Vectra GL 2.2 16V Z22SE 108kW/147hp 4-speed autom. notchback 4 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
– · · ·		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7°° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	TC Plus:	standard equipment
Cylinders, number:	4		
Bore (mm):	86	Weights and dimensions	
Stroke (mm):	94.6	Weights and dimensions	
Displacement (cc):	2198	Length (mm):	4495
Compression ratio:	10:1	Width (mm):	1707
Engine, type:	in line; 5 main bearings	Height (mm):	1425
Cylinder block/head, material:	aluminum/aluminum	Wheelbase (mm):	2637
Camshaft(s), location:	2 overhead (2 DOHC), driven by chain	Track front/rear (mm):	1464/1467
Valve train:	roller rocker with hydraulic bucket tappets	Luggage capacity (I) ECIE:	500-1240
Valve, arrangement:	v: 4 per cylinder	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 V
Valve adjustment:	automatic - hydraulic	Turning clearance circle/turning circle (m):	11.3/10.65
Fuel system:	sequential multi point fuel injection	Steer. wheel turns lock/lock:	2.97
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steering, ratio:	power steering, 16.5
Fuel pump:	electric, in tank	Steering wheel outside diameter (mm):	380
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Kerb weight/max. allowable weight/additional load (kg	
Output (kW/hp CEE at 1/min):	108/147 at 5800	Power to weight ratio (kg/kW; kg/hp)(empty):	12.9; 9.5
Specific power (kW/l; hp/l):	49.1; 66.9	Max. axle load front/rear (kg):	980/945
Max. torque (Nm at 1/min):	203 at 4000	Trailer load braked/unbraked (kg):	1500/695
Specific torque (Nm/liter):	92.4	Trailer hook weight/roof load (kg):	75/100
Mean effective pressure at	0211	Fuel tank capacity (I), location:	60, under rear seats
max. power/max. torque (kPa):	1016.6/1161.1		
Average piston speed (m/s):	18.3	Performance	
Engine oil, capacity (I):	5		010
Cooling capacity (I):	7.1	Top speed (km/h):	213
Battery 12 V, capacity (Ah):	66	Acceleration 0-100 km/h (sec)*:	10.5
Alternator 14.2 V, capacity (W):	1420	Pass-by noise (dBA):	73
	1120	Fuel:	unleaded premium 95 RON
Transmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/E
			Additional equipment can lead to increased
Drive axle:	front wheel drive		consumption and CO ₂ values.
Transmission, type:	automatic + lock-up		urban: 13.1
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39		extra-urban: 6.8
	4th ratio: 1.00		total: 9.1
	reverse ratio: 4.02 final drive ratio: 2.81	CO ₂ emission (g/km):	219
Clutch, type:	dry single plate	Emīssion class:	Euro 4
Body		Maintenance	
Seats:	5	Service intervals:	inspection: every 30,000 km or once a year
Drag coefficient (c,):	0.30*		
Frontal area (A in m^2):	2.038		
Index (c "xA):	0.62+	* Basic model	
	0.02	* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe, gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		
		1	

Vectra GL 2.2 16V Z22SE 108kW/147hp 5-speed hatchback 5 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7°° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	TC Plus:	standard equipment
Cylinders, number:	4		standard oquipmont
Bore (mm):	86	Waights and dimensions	
Stroke (mm):	94.6	Weights and dimensions	
Displacement (cc):	2198	Length (mm):	4495
Compression ratio:	10:1	Width (mm):	1707
Engine, type:	in line; 5 main bearings	Height (mm):	1425
Cylinder block/head, material:	aluminum/aluminum	Wheelbase (mm):	2637
Camshaft(s), location:	2 overhead (2 DOHC), driven by chain	Track front/rear (mm):	1464/1467
Valve train:	roller rocker with hydraulic bucket tappets	Luggage capacity (I) ECIE:	480-1180
Valve, arrangement:	v; 4 per cylinder	Opening luggage compartment to ground (mm):	806
Valve adjustment:	automatic - hydraulic	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 V
Fuel system:	sequential multi point fuel injection	Turning clearance circle/turning circle (m):	11.3/10.65
Ignition system:		Steer. wheel turns lock/lock:	2.97
Fuel pump:	electr. ignition map, ignition coil direct to spark plug electric, in tank	Steering, ratio:	power steering, 16.5
		Steering wheel outside diameter (mm):	380
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Kerb weight/max. allowable weight/additional load (kg	
Output (kW/hp CEE at 1/min):	108/147 at 5800	Power to weight ratio (kg/kW; kg/hp)(empty):	12.9; 9.5
Specific power (kW/l; hp/l):	49.1; 66.9	Max. axle load front/rear (kg):	965/945
Max. torque (Nm at 1/min):	203 at 4000	Trailer load braked/unbraked (kg):	1500/695
Specific torque (Nm/liter):	92.4	Trailer hook weight/roof load (kg):	75/100
Mean effective pressure at		Fuel tank capacity (I), location:	60, under rear seats
max. power/max. torque (kPa):	1016.6/1161.1	i dei tank capacity (i), iocation.	oo, under rear sears
Average piston speed (m/s):	18.3	D (
Engine oil, capacity (I):	5	Performance	
Cooling capacity (I):	7.2	Top speed (km/h):	218
Battery 12 V, capacity (Ah):	66	Acceleration 0-100 km/h (sec)*:	9.5
Alternator 14.2 V, capacity (W):	1420	Acc. 80-120 km/h in 5th gear (sec)*:	13.5
		Pass-by noise (dBA):	73
Transmission		Fuel:	unleaded premium 95 RON
Drive axle:	front wheel drive	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU
	manual	,	Additional equipment can lead to increased
Transmission, type: Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35		consumption and CO ₂ values.
Geal failos.	4th ratio: 0.98 5th ratio: 0.81		urban: 12
			extra-urban: 6.3
	reverse ratio: 3.31 final drive ratio: 3.95		total: 8.4
Clutch, type:	dry single plate	CO ₂ emission (g/km):	202
_ .		Emission class:	Euro 4
Body			Edio
Seats:	5	Maintananaa	
Drag coefficient (c,):	0.30*	Maintenance	
Frontal area (A in m^2):	2.027	Service intervals:	inspection: every 30,000 km or once a year
Index (c "xA):	0.61+		
	0.01		
Changia		* Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe, gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
A . 2			
Anti roll bar:	front + rear		

Vectra GL 2.2 16V Z22SE 108kW/147hp 4-speed autom. hatchback 5 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	TC Plus:	standard equipment
Cylinders, number:	4	I O Flus.	standard equipment
Bore (mm):	86		
Stroke (mm):	94.6	Weights and dimensions	
Displacement (cc):	2198	Length (mm):	4495
		Width (mm):	1707
Compression ratio:	10:1	Height (mm):	1425
Engine, type:	in line; 5 main bearings	Wheelbase (mm):	2637
Cylinder block/head, material:	aluminum/aluminum	Track front/rear (mm):	1464/1467
Camshaft(s), location:	2 overhead (2 DOHC), driven by chain	Luggage capacity (I) ECIE:	480-1180
Valve train:	roller rocker with hydraulic bucket tappets		806
Valve, arrangement:	v; 4 per cylinder	Opening luggage compartment to ground (mm):	
Valve adjustment:	automatic - hydraulic	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 V
Fuel system:	sequential multi point fuel injection	Turning clearance circle/turning circle (m):	11.3/10.65
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steer. wheel turns lock/lock:	2.97
Fuel pump:	electric, in tank	Steering, ratio:	power steering, 16.5
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Steering wheel outside diameter (mm):	380
Output (kW/hp CEE at 1/min):	108/147 at 5800	Kerb weight/max. allowable weight/additional load (kg	
Specific power (kW/I; hp/I):	49.1: 66.9	Power to weight ratio (kg/kW; kg/hp)(empty):	12.9; 9.5
Max. torgue (Nm at 1/min):	203 at 4000	Max. axle load front/rear (kg):	980/945
Specific torque (Nm/liter):	92.4	Trailer load braked/unbraked (kg):	1500/695
Mean effective pressure at	02.1	Trailer hook weight/roof load (kg):	75/100
max. power/max. torque (kPa):	1016.6/1161.1	Fuel tank capacity (I), location:	60, under rear seats
Average piston speed (m/s):	18.3		
Engine oil, capacity (I):	5	Performance	
	7.1		
Cooling capacity (I):		Top speed (km/h):	213
Battery 12 V, capacity (Ah):	66	Acceleration 0-100 km/h (sec)*:	10.5
Alternator 14.2 V, capacity (W):	1420	Pass-by noise (dBA):	73
		Fuel:	unleaded premium 95 RON
Transmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/E
Drive axle:	front wheel drive		Additional equipment can lead to increased
Transmission, type:	automatic + lock-up		consumption and CO ₂ values.
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39		urban: 13.1
Oear railos.	4th ratio: 1.00		extra-urban: 6.8
			total: 9.1
Oliviality to a second	reverse ratio: 4.02 final drive ratio: 2.81	CO ₂ emission (g/km):	219
Clutch, type:	dry single plate	Emission class:	Euro 4
Body		NA-'	
Seats:	5	Maintenance	
Drag coefficient (c,):	0.30*	Service intervals:	inspection: every 30,000 km or once a year
Frontal area (A in m^2):	2.027		. , ,
	0.61+		
Index (c _w xA):	0.01	* Basic model	
a		* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
· · · · · · · · · · · · · · · · · · ·	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
ייווכבו ששארושטוו ובמו.	multifunctional damping element		
Anti roll bar:	gas pre-loaded shock absorbers		
	front + rear		

Vectra Caravan GL 2.2 16V Z22SE 108kW/147hp 5-speed station wagon 5 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	TC Plus:	standard equipment
Cylinders, number:	4		standard equipment
Bore (mm):	86	Weights and dimensions	
Stroke (mm):	94.6		
Displacement (cc):	2198	Length (mm):	4490
Compression ratio:	10:1	Width (mm):	1707
Engine, type:	in line; 5 main bearings	Height (mm):	1490
Cylinder block/head, material:	aluminum/aluminum	Wheelbase (mm):	2637
Camshaft(s), location:	2 overhead (2 DOHC), driven by chain	Track front/rear (mm):	1464/1463
Valve train:	roller rocker with hydraulic bucket tappets	Luggage capacity (I) ECIE:	460-1490
Valve, arrangement:	v; 4 per cylinder	Opening luggage compartment to ground (mm):	856
Valve adjustment:	automatic - hydraulic	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 V
Fuel system:	sequential multi point fuel injection	Turning clearance circle/turning circle (m):	11.3/10.65
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steer. wheel turns lock/lock:	2.97
Fuel pump:	electric, in tank	Steering, ratio:	power steering, 16.5
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Steering wheel outside diameter (mm):	380
Output (kW/hp CEE at 1/min):	108/147 at 5800	Kerb weight/max. allowable weight/additional load (kg	
Specific power (kW/l; hp/l):	49.1; 66.9	Power to weight ratio (kg/kW; kg/hp)(empty):	12.9; 9.5
Max. torque (Nm at 1/min):	203 at 4000	Max. axle load front/rear (kg):	965/1025
Specific torque (Nm/liter):	92.4	Trailer load braked/unbraked (kg):	1400/695
Mean effective pressure at		Trailer hook weight/roof load (kg):	75/100
max. power/max. torque (kPa):	1016.6/1161.1	Fuel tank capacity (I), location:	60, under rear seats
Average piston speed (m/s):	18.3		
Engine oil, capacity (I):	5	Performance	
Cooling capacity (I):	7.2	Top speed (km/h):	212
Battery 12 V, capacity (Ah):	66	Acceleration 0-100 km/h (sec)*:	10
Alternator 14.2 V, capacity (W):	1420	Acc. 80-120 km/h in 5th gear (sec)*:	14
		Pass-by noise (dBA):	73
Transmission		Fuel:	unleaded premium 95 RON
Drive axle:	front wheel drive	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Transmission, type:	manual		Additional equipment can lead to increased
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35		consumption and CO ₂ values.
	4th ratio: 0.98 5th ratio: 0.81		urban: 12.1
	reverse ratio: 3.31 final drive ratio: 3.95		extra-urban: 6.5
Clutch, type:	dry single plate		total: 8.6
elateri, type:		CO ₂ emission (g/km):	207
Body		Emission class:	Euro 4
Seats:	5	Maintenance	
Drag coefficient (c_{p}):	0.32*	Service intervals:	inspection: every 30,000 km or once a year
Frontal area (A in m ²):	2.060	Service linervais.	hispection. every 50,000 kin of once a year
Index (c _w xA):	0.66+		
		* Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
·	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
·	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		

Vectra Caravan GL 2.2 16V Z22SE 108kW/147hp 4-speed autom. station wagon 5 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 7° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	TC Plus:	standard equipment
Cylinders, number:	4	TO Flus.	standard equipment
Bore (mm):	86		
Stroke (mm):	94.6	Weights and dimensions	
Displacement (cc):	2198	Length (mm):	4490
Compression ratio:	10:1	Width (mm):	1707
Engine, type:	in line; 5 main bearings	Height (mm):	1490
Cylinder block/head, material:	aluminum/aluminum	Wheelbase (mm):	2637
		Track front/rear (mm):	1464/1463
Camshaft(s), location:	2 overhead (2 DOHC), driven by chain	Luggage capacity (I) ECIE:	460-1490
Valve train:	roller rocker with hydraulic bucket tappets	Opening luggage compartment to ground (mm):	856
Valve, arrangement:	v; 4 per cylinder	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 V
Valve adjustment:	automatic - hydraulic	Turning clearance circle/turning circle (m):	11.3/10.65
Fuel system:	sequential multi point fuel injection	Steer. wheel turns lock/lock:	2.97
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steering, ratio:	power steering, 16.5
Fuel pump:	electric, in tank	Steering, ratio. Steering wheel outside diameter (mm):	380
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Kerb weight/max. allowable weight/additional load (k	
Output (kW/hp CEE at 1/min):	108/147 at 5800	Power to weight ratio (kg/kW; kg/hp)(empty):	13.0: 9.6
Specific power (kW/l; hp/l):	49.1; 66.9	Max. axle load front/rear (kg):	980/1025
Max. torque (Nm at 1/min):	203 at 4000	Trailer load braked/unbraked (kg):	1400/695
Specific torque (Nm/liter):	92.4		75/100
Mean effective pressure at		Trailer hook weight/roof load (kg):	
max. power/max. torque (kPa):	1016.6/1161.1	Fuel tank capacity (I), location:	60, under rear seats
Average piston speed (m/s):	18.3	/	
Engine oil, capacity (I):	5	Performance	
Cooling capacity (I):	7.1	Top speed (km/h):	207
Battery 12 V, capacity (Ah):	66	Acceleration 0-100 km/h (sec)*:	11
Alternator 14.2 V, capacity (W):	1420	Pass-by noise (dBA):	73
		Fuel:	unleaded premium 95 RON
Transmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
			Additional equipment can lead to increased
Drive axle:	front wheel drive		consumption and CO_2 values.
Transmission, type:	automatic + lock-up		urban: 13.2
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39		extra-urban: 7.0
	4th ratio: 1.00		total: 9.3
	reverse ratio: 4.02 final drive ratio: 2.81	CO ₂ emission (g/km):	224
Clutch, type:	dry single plate	Emission class:	
		Emission class.	Euro 4
Body			
Seats:	5	Maintenance	
Drag coefficient (c ₂):	0.32 ⁺	Service intervals:	inspection: every 30,000 km or once a year
Frontal area (A in m ²):	2.060		
Index (c _w xA):	0.66^{+}	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		

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Anti roll bar:

multi-link suspension+2 transvers multifunctional damping element gas pre-loaded shock absorbers front + rear

Vectra GL Plus 2.6 V6 Y26SE 125kW/170hp 5-speed notchback 4 doors

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ratio: wheel outside diameter (mm): ght/max. allowable weight/additional load (kg weight ratio (kg/kW; kg/hp)(empty): e load front/rear (kg): ad braked/unbraked (kg): bok weight/roof load (kg):	power steering, 16.5 380 : 1423/1920/497 11.4; 8.4 1040/945 1500/695 75/100
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ook weight/roof load (kg):	75/100
	oo, under real seals
mance	
ed (km/h):	230
tion 0-100 km/h (sec)*:	8.5
20 km/h in 5th gear (sec)*:	10.5
noise (dBA):	74
	unleaded premium 95 RON
sumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
	Additional equipment can lead to increased
	consumption and CO ₂ values.
	urban: 14
	extra-urban: 7.2
	total: 9.7
ssion (g/km):	233
class:	Euro 3
enance	
ntervais:	inspection: every 30,000 km or once a year
eight (70156 EEC) and 125 kg payload	
m	e intervals: model weight (70156 EEC) and 125 kg payload

Vectra GL Plus 2.6 V6 Y26SE 125kW/170hp 4-speed autom. notchback 4 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
En sin a slata		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 1° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	TC Plus:	standard equipment
Cylinders, number:	6		
Bore (mm):	83.2	Weights and dimensions	
Stroke (mm):	79.6		4.495
Displacement (cc):	2597	Length (mm):	4495
Compression ratio:	10:1	Width (mm):	1707
Engine, type:	v 54°; 4 main bearings	Height (mm):	1425
Cylinder block/head, material:	cast iron/aluminum	Wheelbase (mm):	2637
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt	Track front/rear (mm):	1464/1467
Valve train:	hydraulic bucket tappets	Luggage capacity (I) ECIE:	500-1240
Valve, arrangement:	v; 4 per cylinder	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 V
Valve adjustment:	automatic - hydraulic	Turning clearance circle/turning circle (m):	11.3/10.65
Fuel system:	sequential multi point fuel injection, Motronic M 3.1.1	Steer. wheel turns lock/lock:	2.97
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steering, ratio:	power steering, 16.5
Fuel pump:	electric, in tank	Steering wheel outside diameter (mm):	380
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Kerb weight/max. allowable weight/additional load (kg	
Output (kW/hp CEE at 1/min):	125/170 at 5800	Power to weight ratio (kg/kW; kg/hp)(empty):	11.5; 8.5
Specific power (kW/l; hp/l):	48.1; 65.5	Max. axle load front/rear (kg):	1055/945
Max. torque (Nm at 1/min):	250 at 3600	Trailer load braked/unbraked (kg):	1500/695
Specific torque (Nm/liter):	96.3	Trailer hook weight/roof load (kg):	75/100
Mean effective pressure at		Fuel tank capacity (I), location:	60, under rear seats
max. power/max. torque (kPa):	995.8/1210.2		
Average piston speed (m/s):	15.4	Performance	
Engine oil, capacity (I):	4.75	Top speed (km/h):	227
Cooling capacity (I):	7.6	Acceleration 0-100 km/h (sec)*:	9
Battery 12 V, capacity (Ah):	66	Pass-by noise (dBA):	74
Alternator 14.2 V, capacity (W):	1988	Fuel:	unleaded premium 95 RON
		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU
Transmission			Additional equipment can lead to increased
			consumption and CO_2 values.
Drive axle:	front wheel drive		urban: 14.9
Transmission, type:	automatic + lock-up		extra-urban: 7.8
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39		total: 10.4
	4th ratio: 1.00	CO ₂ emission (g/km):	250
	reverse ratio: 4.02 final drive ratio: 2.81	Emission class:	Euro 3
Clutch, type:	dry single plate		Euros
D. I		Maintenance	
Body			
Seats:	5	Service intervals:	inspection: every 30,000 km or once a year
Drag coefficient (c,):	0.30*		
Frontal area (A in m ²):	2.038		
Index (c "xA):	0.62*	* Basic model	
\$ W /		* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	gas pre-toaded struts multi-link suspension+2 transverse+1longitudinal arm,		
wheel suspension real:			
	multifunctional damping element		
	gas pre-loaded shock absorbers front + rear		
Anti roll bar:			

Vectra GL Plus 2.6 V6 Y26SE 125kW/170hp 5-speed hatchback 5 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 1° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	TC Plus:	standard equipment
Cylinders, number:	6	101103.	standard equipment
Bore (mm):	83.2	Mainhte and dimensions	
Stroke (mm):	79.6	Weights and dimensions	
Displacement (cc):	2597	Length (mm):	4495
Compression ratio:	10:1	Width (mm):	1707
Engine, type:	v 54°; 4 main bearings	Height (mm):	1425
Cylinder block/head, material:	cast iron/aluminum	Wheelbase (mm):	2637
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt	Track front/rear (mm):	1464/1467
Valve train:	hydraulic bucket tappets	Luggage capacity (I) ECIE:	480-1180
Valve, arrangement:	v; 4 per cylinder	Opening luggage compartment to ground (mm):	806
Valve, analgement:	automatic - hydraulic	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 V
Fuel system:	sequential multi point fuel injection, Motronic M 3.1.1	Turning clearance circle/turning circle (m):	11.3/10.65
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steer. wheel turns lock/lock:	2.97
Fuel pump:	electric, in tank	Steering, ratio:	power steering, 16.5
Emission control system:		Steering wheel outside diameter (mm):	380
	3-way cat. conv. with 2 oxygen sensors 125/170 at 5800	Kerb weight/max. allowable weight/additional load (ko	
Output (kW/hp CEE at 1/min):		Power to weight ratio (kg/kW; kg/hp)(empty):	11.8; 8.7
Specific power (kW/l; hp/l):	48.1; 65.5	Max. axle load front/rear (kg):	1040/945
Max. torque (Nm at 1/min):	250 at 3600	Trailer load braked/unbraked (kg):	1500/695
Specific torque (Nm/liter):	96.3	Trailer hook weight/roof load (kg):	75/100
Mean effective pressure at		Fuel tank capacity (I), location:	60, under rear seats
max. power/max. torque (kPa):	995.8/1210.2	i dei tank capacity (i), iocation.	
Average piston speed (m/s):	15.4	Destaura	
Engine oil, capacity (I):	4.75	Performance	
Cooling capacity (I):	7.7	Top speed (km/h):	230
Battery 12 V, capacity (Ah):	66	Acceleration 0-100 km/h (sec)*:	8.5
Alternator 14.2 V, capacity (W):	1988	Acc. 80-120 km/h in 5th gear (sec)*:	10.5
		Pass-by noise (dBA):	74
Transmission		Fuel:	unleaded premium 95 RON
Drive axle:	front wheel drive	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Transmission, type:	manual		Additional equipment can lead to increased
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35		consumption and CO ₂ values.
	4th ratio: 0.98 5th ratio: 0.81		urban: 14.1
	reverse ratio: 3.31 final drive ratio: 3.84		extra-urban: 7.3
Clutch, type:	dry single plate		total: 9.8
Clutch, type.	dry single plate	CO ₂ emission (g/km):	236
D. J		Emission class:	Euro 3
Body			
Seats:	5	Maintenance	
Drag coefficient (c _s):	0.30+		
Frontal area (A in m ²):	2.027	Service intervals:	inspection: every 30,000 km or once a year
Index (c "xA):	0.61+		
с н <i>У</i>			
Chassis		* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers front + rear		
Anti roll bar:			

Vectra GL Plus 2.6 V6 Y26SE 125kW/170hp 4-speed autom. hatchback 5 doors

Model year:	2001 1/2	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
Fuela e dete		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 1° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	TC Plus:	standard equipment
Cylinders, number:	6		
Bore (mm):	83.2	Weights and dimensions	
Stroke (mm):	79.6	-	
Displacement (cc):	2597	Length (mm):	4495
Compression ratio:	10:1	Width (mm):	1707
Engine, type:	v 54°; 4 main bearings	Height (mm):	1425
Cylinder block/head, material:	cast iron/aluminum	Wheelbase (mm):	2637
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt	Track front/rear (mm):	1464/1467
Valve train:	hydraulic bucket tappets	Luggage capacity (I) ECIE:	480-1180
Valve, arrangement:	v; 4 per cylinder	Opening luggage compartment to ground (mm):	806
Valve adjustment:	automatic - hydraulic	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 V
Fuel system:	sequential multi point fuel injection, Motronic M 3.1.1	Turning clearance circle/turning circle (m):	11.3/10.65
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steer. wheel turns lock/lock:	2.97
Fuel pump:	electric. in tank	Steering, ratio:	power steering, 16.5
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Steering wheel outside diameter (mm):	380
Output (kW/hp CEE at 1/min):	125/170 at 5800	Kerb weight/max. allowable weight/additional load (kg): 1495/1950/455
Specific power (kW/l; hp/l):	48.1: 65.5	Power to weight ratio (kg/kW; kg/hp)(empty):	12.0; 8.8
Max. torque (Nm at 1/min):	250 at 3600	Max. axle load front/rear (kg):	1055/945
Specific torque (Nm/liter):	96.3	Trailer load braked/unbraked (kg):	1500/695
Mean effective pressure at	50.5	Trailer hook weight/roof load (kg):	75/100
max. power/max. torque (kPa):	995.8/1210.2	Fuel tank capacity (I), location:	60, under rear seats
Average piston speed (m/s):	15.4		
Engine oil, capacity (I):	4.75	Performance	
Cooling capacity (I):	7.6		
Battery 12 V, capacity (Ah):	66	Top speed (km/h):	227
Alternator 14.2 V, capacity (W):	1988	Acceleration 0-100 km/h (sec)*:	9
Alternator 14.2 v, capacity (vv).	1900	Pass-by noise (dBA):	74
<u> </u>		Fuel:	unleaded premium 95 RON
Transmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU
Drive axle:	front wheel drive		Additional equipment can lead to increased
Transmission, type:	automatic + lock-up		consumption and CO ₂ values.
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39		urban: 14.9
	4th ratio: 1.00		extra-urban: 7.8
	reverse ratio: 4.02 final drive ratio: 2.81		total: 10.4
Clutch, type:	dry single plate	CO ₂ emission (g/km):	250
		Emission class:	Euro 3
Rody			
Body		Maintenance	
Seats:	5		in an atting a second
Drag coefficient (c_{D}):	0.30*	Service intervals:	inspection: every 30,000 km or once a year
Frontal area (A in m ²):	2.027		
Index (c "xA):	0.61*		
		* Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
	independent McDhaman strute with hand an autoframe		
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		

Vectra Caravan GL Plus 2.6 V6 Y26SE 125kW/170hp 5-speed station wagon 5 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
Engine data		Brakes front, diameter (mm):	ventilated disc, 288
	front transverse in front of oute 19 forward inclined	Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 1° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	TC Plus:	standard equipment
Cylinders, number:	6		
Bore (mm):	83.2	Weights and dimensions	
Stroke (mm):	79.6	5	
Displacement (cc):	2597	Length (mm):	4490
Compression ratio:	10:1	Width (mm):	1707
Engine, type:	v 54°; 4 main bearings	Height (mm):	1490
Cylinder block/head, material:	cast iron/aluminum	Wheelbase (mm):	2637
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt	Track front/rear (mm):	1464/1463
Valve train:	hydraulic bucket tappets	Luggage capacity (I) ECIE:	460-1490
Valve, arrangement:	v; 4 per cylinder	Opening luggage compartment to ground (mm):	856
Valve adjustment:	automatic - hydraulic	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 V
Fuel system:	sequential multi point fuel injection, Motronic M 3.1.1	Turning clearance circle/turning circle (m):	11.3/10.65
		Steer. wheel turns lock/lock:	2.97
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steering, ratio:	power steering, 16.5
Fuel pump:	electric, in tank	Steering wheel outside diameter (mm):	380
Emission control system:	3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	125/170 at 5800	Kerb weight/max. allowable weight/additional load (kg)	
Specific power (kW/l; hp/l):	48.1; 65.5	Power to weight ratio (kg/kW; kg/hp)(empty):	12.1; 8.9
Max. torque (Nm at 1/min):	250 at 3600	Max. axle load front/rear (kg):	1040/1025
Specific torque (Nm/liter):	96.3	Trailer load braked/unbraked (kg):	1500/740
Mean effective pressure at		Trailer hook weight/roof load (kg):	75/100
max. power/max. torque (kPa):	995.8/1210.2	Fuel tank capacity (I), location:	60, under rear seats
Average piston speed (m/s):	15.4		
Engine oil, capacity (I):	4.75	Performance	
Cooling capacity (I):	7.7		000
Battery 12 V, capacity (Ah):	66	Top speed (km/h):	223
Alternator 14.2 V, capacity (W):	1988	Acceleration 0-100 km/h (sec)*:	9
Alternator 14.2 V, capacity (VV).	1900	Acc. 80-120 km/h in 5th gear (sec)*:	11
		Pass-by noise (dBA):	74
Transmission		Fuel:	unleaded premium 95 RON
Drive axle:	front wheel drive	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Transmission, type:	manual		Additional equipment can lead to increased
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35		consumption and CO ₂ values.
Ceal Tallos.	4th ratio: 0.98 5th ratio: 0.81		urban: 14.2
	reverse ratio: 3.31 final drive ratio: 3.84		extra-urban: 7.4
Clutch type:			total: 9.9
Clutch, type:	dry single plate	CO_2 emission (g/km):	238
		Emission class:	Euro 3
Body			Edio 5
Seats:	5		
Drag coefficient (c _s):	0.32*	Maintenance	
Frontal area (A in m^2):	2.060	Service intervals:	inspection: every 30,000 km or once a year
	0.66+		· · · · · · · · · · · · · · · · · · ·
Index (c _w xA):	0.00		
		* Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,	to b worght (10100 EEO) and 120 kg payload	
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
איווכבו ששארושטוו ובמו.	multifunctional damping element		
Anti roll hor	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		

Vectra Caravan GL Plus 2.6 V6 Y26SE 125kW/170hp 4-speed autom. station wagon 5 doors

Model year:	2001 ½	Brakes	
Date:	27.02.01	Brake circuits:	2, diagonal
		Brakes front, diameter (mm):	ventilated disc, 288
Engine data		Brakes rear, diameter (mm):	disc, 286
Engine, location:	front, transverse in front of axle, 1° forward inclined	ABS:	standard equipment
Cooling system:	with liquid, sealed circuit	TC Plus:	standard equipment
Cylinders, number:	6	TO Flus.	standard equipment
Bore (mm):	83.2		
Stroke (mm):	79.6	Weights and dimensions	
Displacement (cc):	2597	Length (mm):	4490
Compression ratio:	10:1	Width (mm):	1707
Engine, type:	v 54°; 4 main bearings	Height (mm):	1490
Cylinder block/head, material:	cast iron/aluminum	Wheelbase (mm):	2637
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt	Track front/rear (mm):	1464/1463
Valve train:	hydraulic bucket tappets	Luggage capacity (I) ECIE:	460-1490
Valve, arrangement:	v; 4 per cylinder	Opening luggage compartment to ground (mm):	856
Valve, analigement:	automatic - hydraulic	Rim width (inch)(mm)/tire size:	6Jx15/195/65 R 15 V
		Turning clearance circle/turning circle (m):	11.3/10.65
Fuel system:	sequential multi point fuel injection, Motronic M 3.1.1	Steer. wheel turns lock/lock:	2.97
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Steering, ratio:	power steering, 16.5
Fuel pump:	electric, in tank	Steering wheel outside diameter (mm):	380
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Kerb weight/max. allowable weight/additional load (kg	
Output (kW/hp CEE at 1/min):	125/170 at 5800	Power to weight ratio (kg/kW; kg/hp)(empty):	12.2; 9.0
Specific power (kW/l; hp/l):	48.1; 65.5	Max. axle load front/rear (kg):	1055/1025
Max. torque (Nm at 1/min):	250 at 3600	Trailer load braked/unbraked (kg):	1500/740
Specific torque (Nm/liter):	96.3	Trailer hook weight/roof load (kg):	75/100
Mean effective pressure at		Fuel tank capacity (I), location:	60, under rear seats
max. power/max. torque (kPa):	995.8/1210.2	i dei tank capacity (i), iocation.	oo, under rear sears
Average piston speed (m/s):	15.4		
Engine oil, capacity (I):	4.75	Performance	
Cooling capacity (I):	7.6	Top speed (km/h):	218
Battery 12 V, capacity (Ah):	66	Acceleration 0-100 km/h (sec)*:	9.5
Alternator 14.2 V, capacity (W):	1988	Pass-by noise (dBA):	74
		Fuel:	unleaded premium 95 RON
Transmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Drive axle:	front wheel drive		Additional equipment can lead to increased
Transmission, type:			consumption and CO ₂ values.
Gear ratios:	automatic + lock-up 1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39		urban: 15.0
Gear Tallos.	4th ratio: 1.00		extra-urban: 7.9
			total: 10.5
Clutch turcu	reverse ratio: 4.02 final drive ratio: 2.81	CO ₂ emission (g/km):	252
Clutch, type:	dry single plate	Emission class:	Euro 3
			Editoro
Body		Maintananaa	
Seats:	5	Maintenance	
Drag coefficient (c ₂):	0.32*	Service intervals:	inspection: every 30,000 km or once a year
Frontal area (A in m ²):	2.060		
Index (c xA):	0.66+		
maen (e _w a yr		* Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension+2 transverse+1longitudinal arm,		
	multifunctional damping element		
	gas pre-loaded shock absorbers		
Anti roll bar:	front + rear		

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Omega 2.2 DTI 16V Y22DTH 88kW/120hp 5-speed notchback 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4898
Engine data		Width (mm):	1776
Engine data		Height (mm):	1455
Engine, location:	front, longitudinal on axle, 7° 50' inclined	Wheelbase (mm):	2730
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1514/1530
Cylinders, number:	4	Luggage capacity (I) ECIE:	530-830
Bore (mm): Stroke (mm):	84 98	Opening luggage compartment to ground (mm):	713
Displacement (cc):	2171	Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 - 91H
Compression ratio:	18.5:1	Turning clearance circle/turning circle (m): Steer. wheel turns lock/lock:	11.10/10.35 3.0
Engine, type:	in line; 5 main bearings	Steering, ratio:	power steering, 14.8
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (OHC), driven by chain	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	19.0; 13.9
Valve, arrangement:	parallel; 4 per cylinder	Max. axle load front/rear (kg):	1055/1125
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1700/750
Fuel system:	diesel direct injection, VP44	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	vane pump, mechanical	Fuel tank capacity (I), location:	75, under luggage compartment
Emission control system:	2-way cat. conv. (oxidizing catalytic		
Ohanna and an	converter), exhaust gas recirculation	Performance	
Charger system:	turbocharger	Top speed (km/h):	195
Output (kW/hp CEE at 1/min): Specific power (kW/l; hp/l):	88/120 at 4000 40.5; 55.3	Acceleration 0-100 km/h (sec)*:	12.5
Max. torgue (Nm at 1/min):	280 at 1600	Acc. 80-120 km/h in 5th gear (sec)*:	13
Specific torque (Nm/liter):	129.0	Pass-by noise (dBA):	72
Mean effective pressure at	120.0	Fuel:	diesel
max. power/max. torque (kPa):	1216.0/1621.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	13.1		Additional equipment can lead to increased
Engine oil, capacity (I):	5.5		consumption and CO ₂ values.
Cooling capacity (I):	7.9		urban: 9.6
Battery 12 V, capacity (Ah):	70		extra-urban: 5.6
Alternator 14 V, capacity (W):	1680		total: 7.1
		CO ₂ emission (g/km):	192 5
Transmission		Emission class:	Euro 3
Drive axle:	rear wheel drive	Maintananaa	
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.67 2nd ratio: 1.76 3rd ratio: 1.12	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.89 5th ratio: 0.66		
	reverse ratio: 3.40 final drive ratio: 3.45		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c,):	0.32*		
Frontal area (A in m ²):	2.14		
Index (c "xA):	0.68*		
, w ,			
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
·	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension, gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakas			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 296		
Brakes rear, diameter (mm): ABS:	disc, 286 standard equipment		

Omega Caravan 2.2 DTI 16V Y22DTH 88kW/120hp 5-speed station wagon 5 doors

Oneya Caravan 2.2 Dir 160 1221	or ookw/rzunp 5-speed station wagon 5 doors		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4898
_		Width (mm):	1776
Engine data		Height (mm):	1545
Engine, location:	front, longitudinal on axle, 7° 50' inclined	Wheelbase (mm):	2730
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1514/1525
Cylinders, number:	4	Luggage capacity (I) ECIE:	540-1800
Bore (mm):	84	Opening luggage compartment to ground (mm):	619
Stroke (mm):	98 2171	Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 - 91H
Displacement (cc): Compression ratio:	18.5:1	Turning clearance circle/turning circle (m):	11.10/10.35
Engine, type:	in line; 5 main bearings	Steer. wheel turns lock/lock: Steering, ratio:	3.0 power steering, 14.8
Cylinder block/head, material:	cast iron/aluminum	Steering, ratio. Steering wheel outside diameter (mm):	380
Camshaft(s), location:	1 overhead (OHC), driven by chain	Kerb weight/max. allowable weight/additional load (k	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	19.7; 14.4
Valve, arrangement:	parallel; 4 per cylinder	Max. axle load front/rear (kg):	1055/1230
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1700/750
Fuel system:	diesel direct injection, VP44	Trailer hook weight/roof load (kg):	75/100
Fuel pump:	vane pump, mechanical	Fuel tank capacity (I), location:	75, under luggage compartment
Emission control system:	2-way cat. conv. (oxidizing catalytic		
	converter), exhaust gas recirculation	Performance	
Charger system: Output (kW/hp CEE at 1/min):	turbocharger 88/120 at 4000	Top speed (km/h):	195
Specific power (kW/l; hp/l):	40.5; 55.3	Acceleration 0-100 km/h (sec)*:	13
Max. torque (Nm at 1/min):	280 at 1600	Acc. 80-120 km/h in 5th gear (sec)*:	14
Specific torque (Nm/liter):	129.0	Pass-by noise (dBA):	72
Mean effective pressure at		Fuel:	diesel
max. power/max. torque (kPa):	1216.0/1621.4	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	13.1		Additional equipment can lead to increased
Engine oil, capacity (I):	5.5		consumption and CO ₂ values. urban: 9.8
Cooling capacity (I):	7.9		extra-urban: 5.8
Battery 12 V, capacity (Ah):	70		total: 7.3
Alternator 14 V, capacity (W):	1680	CO ₂ emission (g/km):	197
T		Emission class:	Euro 3
Transmission			
Drive axle:	rear wheel drive	Maintenance	
Transmission, type:	manual	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 3.67 2nd ratio: 1.76 3rd ratio: 1.12	Gervice intervals.	inspection. every 50,000 km of once a year
	4th ratio: 0.89 5th ratio: 0.66 reverse ratio: 3.40 final drive ratio: 3.45		
Clutch, type:	dry single plate	* Basic model	
Clutch, type.	ary single plate	* Kerb weight (70156 EEC) and 125 kg payload	
Body			
,	c		
Seats:	5 0.33⁺		
Drag coefficient (c_{D}): Frontal area (A in m ²):	2.20		
Index (c xA):	0.73*		
	0.70		
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
Wheel suspension rear:	gas pre-loaded struts multi-link suspension, gas-filled shock absorbers		
Anti roll bar:	front + rear		
	nom i rou		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm): Brakes rear, diameter (mm):	ventilated disc, 296 disc, 286		
ABS:	standard equipment		
	otanadia oquipinoni	1	

Omega 2.2 16V Z22XE 106kW/144hp 5-speed notchback 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4898
Engino data		Width (mm):	1776
Engine data	front longituding on only 7° 50' inclined	Height (mm):	1455
Engine, location: Cooling system:	front, longitudinal on axle, 7° 50' inclined with liquid, sealed circuit	Wheelbase (mm):	2730
Cylinders, number:	4	Track front/rear (mm): Luggage capacity (I) ECIE:	1514/1530 530-830
Bore (mm):	86	Opening luggage compartment to ground (mm):	713
Stroke (mm):	94.6	Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 up to 240 km/h category V
Displacement (cc):	2198	Turning clearance circle/turning circle (m):	11.10/10.35
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.0
Engine, type:	in line; 5 main bearings	Steering, ratio:	power steering, 14.8
Cylinder block/head, material: Camshaft(s), location:	cast iron/aluminum 2 overhead (DOHC), driven by toothed belt	Steering wheel outside diameter (mm):	380
Valve train:	hydraulic bucket tappets	Kerb weight/max. allowable weight/additional load (kg Power to weight ratio (kg/kW; kg/hp)(empty):	15.1; 11.1
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	990/1125
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1700/750
Fuel system:	sequential multi point fuel injection (SFI), Simtec MS 71	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	75, under luggage compartment
Fuel pump: Emission control system:	electric, in tank 3-way cat. conv. with 2 oxygen sensors		
Output (kW/hp CEE at 1/min):	106/144 at 5800	Performance	
Specific power (kW/l; hp/l):	48.2; 65.5	Top speed (km/h):	210
Max. torque (Nm at 1/min):	203 at 4000	Acceleration 0-100 km/h (sec)*:	10.5
Specific torque (Nm/liter):	92.4	Acc. 80-120 km/h in 5th gear (sec)*:	15.5 74
Mean effective pressure at	007.0///0///	Pass-by noise (dBA): Fuel:	unleaded premium
max. power/max. torque (kPa): Average piston speed (m/s):	997.8/1161.1 18.3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	4.5	· · · · · · · · · · · · · · · · · · ·	Additional equipment can lead to increased
Cooling capacity (I):	9.4		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	66		urban: 14.0
Alternator 14 V, capacity (W):	1400		extra-urban: 7.1
		CO ₂ emission (g/km):	total: 9.6 231
Transmission		Emission class:	Euro 4
Drive axle:	rear wheel drive		
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.95 2nd ratio: 2.19 3rd ratio: 1.39	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 1.00 5th ratio: 0.85 reverse ratio: 3.53 final drive ratio: 4.22		
Clutch, type:	dry single plate		
		⁺ Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	5		
Drag coefficient (c_):	0.32*		
Frontal area (A in m ²):	2.14		
Index (c "xA):	0.68*		
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear: Anti roll bar:	multi-link suspension, gas-filled shock absorbers front + rear		
Anti Toli bal:	IIOIII + Ieai		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 296		
Brakes rear, diameter (mm):	disc, 286		
ABS:	standard equipment		

Omega 2.2 16V Z22XE 106kW/144hp 4-speed autom. notchback 4 doors

4898 1776 1455 2730 1514/1530 530-830 nd (mm): 713 6.5Jx15/195/65 R 15 up to 240 km/h category V m): 11.10/10.35 3.0 power steering, 14.8 380 itional load (kg): 1613/2090/477 npty): 15.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74 unleaded premium
1455 2730 1514/1530 530-830 nd (mm): 713 6.5Jx15/195/65 R 15 up to 240 km/h category V m): 11.10/10.35 3.0 power steering, 14.8 380 itional load (kg): 1613/2090/477 npty): 15.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
2730 1514/1530 530-830 nd (mm): 713 6.5Jx15/195/65 R 15 up to 240 km/h category V m): 11.10/10.35 3.0 power steering, 14.8 380 itional load (kg): 1613/2090/477 npty): 15.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
1514/1530 530-830 nd (mm): 713 6.5Jx15/195/65 R 15 up to 240 km/h category V m): 11.10/10.35 3.0 power steering, 14.8 380 itional load (kg): 1613/2090/477 mpty): 15.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
530-830 nd (mm): 713 6.5Jx15/195/65 R 15 up to 240 km/h category V m): 11.10/10.35 3.0 power steering, 14.8 380 itional load (kg): 1613/2090/477 mpty): 15.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
nd (mm): 713 6.5Jx15/195/65 R 15 up to 240 km/h category V m): 11.10/10.35 3.0 power steering, 14.8 380 itional load (kg): 1613/2090/477 mpty): 15.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
6.5Jx15/195/65 R 15 up to 240 km/h category V m): 11.10/10.35 3.0 power steering, 14.8 380 itional load (kg): 1613/2090/477 npty): 15.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
m): 11.10/10.35 3.0 power steering, 14.8 380 itional load (kg): 1613/2090/477 npty): 15.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
3.0 power steering, 14.8 380 itional load (kg): 1613/2090/477 npty): 16.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
power steering, 14.8 380 itional load (kg): 1613/2090/477 mpty): 15.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
380 itional load (kg): 1613/2090/477 npty): 15.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
itional load (kg): 1613/2090/477 npty): 15.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
npty): 15.2; 11.2 990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
990/1125 1700/750 75/100 75, under luggage compartment 206 11.5 74
1700/750 75/100 75, under luggage compartment 206 11.5 74
75/100 75, under luggage compartment 206 11.5 74
75, under luggage compartment 206 11.5 74
206 11.5 74
11.5 74
11.5 74
11.5 74
11.5 74
74
Measured according to EU guideline 99/100/EU.
Additional equipment can lead to increased
consumption and CO_2 values.
urban: 14.9
extra-urban: 7.3
total: 10.1
243
Euro 3
Edio S
inspection: every 30,000 km or once a year
payload
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Omega Caravan 2.2 16V Z22XE 106kW/144hp 5-speed station wagon 5 doors

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Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	•	4000
		Length (mm):	4898
Engine data		Width (mm): Height (mm):	1776 1545
Engine, location:	front, longitudinal on axle, 7° 50' inclined	Wheelbase (mm):	2730
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1514/1525
Cylinders, number:	4	Luggage capacity (I) ECIE:	540-1800
Bore (mm):	86	Opening luggage compartment to ground (mm):	619
Stroke (mm):	94.6	Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 up to 240 km/h category V
Displacement (cc):	2198	Turning clearance circle/turning circle (m):	111.10/10.35
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.0
Engine, type:	in line; 5 main bearings	Steering, ratio:	power steering, 14.8
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg)	: 1665/2206/541
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	15.7; 11.6
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	990/1230
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1650/750
Fuel system:	sequential multi point fuel injection (SFI), Simtec MS 71	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	75, under luggage compartment
Fuel pump: Emission control system:	electric, in tank 3-way cat. conv. with 2 oxygen sensors	_ /	
Output (kW/hp CEE at 1/min):	106/144 at 5800	Performance	
Specific power (kW/l; hp/l):	48.2; 65.5	Top speed (km/h):	202
Max. torque (Nm at 1/min):	203 at 4000	Acceleration 0-100 km/h (sec)*:	11
Specific torque (Nm/liter):	92.4	Acc. 80-120 km/h in 5th gear (sec)*:	16.5
Mean effective pressure at		Pass-by noise (dBA):	74
max. power/max. torque (kPa):	997.8/1161.1	Fuel:	unleaded premium
Average piston speed (m/s):	18.3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	4.5		Additional equipment can lead to increased
Cooling capacity (I):	9.4		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	66		urban: 14.1
Alternator 14 V, capacity (W):	1400		extra-urban: 7.3
			total: 9.8
Transmission		CO ₂ emission (g/km): Emission class:	236 Euro 4
Drive axle:	rear wheel drive		Euro 4
Transmission, type:	manual	Maintananaa	
Gear ratios:	1st ratio: 3.95 2nd ratio: 2.19 3rd ratio: 1.39	Maintenance	
	4th ratio: 1.00 5th ratio: 0.85	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.53 final drive ratio: 4.22		
Clutch, type:	dry single plate		
		⁺ Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	5		
Drag coefficient (c.):	0.33*		
Frontal area (A in m ²):	2.20		
Index (c "xA):	0.73*		
Chassis			
	independent McDhersen strute wishhone, en subframe		
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
Wheel suspension rear:	gas pre-loaded struts		
Anti roll bar:	multi-link suspension, gas-filled shock absorbers front + rear		
	non i rou		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 296		
Brakes rear, diameter (mm):	disc, 286		
ABS:	standard equipment		

Omega Caravan 2.2 16V Z22XE 106kW/144hp 4-speed autom. station wagon 5 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4898
Engine dete		Width (mm):	1776
Engine data		Height (mm):	1545
Engine, location:	front, longitudinal on axle, 7° 50' inclined	Wheelbase (mm):	2730
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1514/1525
Cylinders, number:	4	Luggage capacity (I) ECIE:	540-1800
Bore (mm):	86	Opening luggage compartment to ground (mm):	619
Stroke (mm):	94.6	Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 up to 240 km/h category V
Displacement (cc):	2198	Turning clearance circle/turning circle (m):	11.10/10.35
Compression ratio:	10.5:1	Steer. wheel turns lock/lock:	3.0
Engine, type:	in line; 5 main bearings	Steering, ratio:	power steering, 14.8
Cylinder block/head, material: Camshaft(s), location:	cast iron/aluminum 2 overhead (DOHC), driven by toothed belt	Steering wheel outside diameter (mm):	380
Valve train:	hydraulic bucket tappets	Kerb weight/max. allowable weight/additional load (k	
Valve, arrangement:	v; 4 per cylinder	Power to weight ratio (kg/kW; kg/hp)(empty): Max. axle load front/rear (kg):	15.9; 11.7 990/1230
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1650/750
Fuel system:	sequential multi point fuel injection (SFI), Simtec MS 71	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	75, under luggage compartment
Fuel pump:	electric, in tank		ro, under luggage compartinent
Emission control system:	3-way cat. conv. with oxygen sensor	Derformence	
Output (kW/hp CEE at 1/min):	106/144 at 5800	Performance	
Specific power (kW/l; hp/l):	48.2; 65.5	Top speed (km/h):	198
Max. torque (Nm at 1/min):	203 at 4000	Acceleration 0-100 km/h (sec)*:	12.5
Specific torque (Nm/liter):	92.4	Pass-by noise (dBA):	74
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	997.8/1161.1	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	18.3		Additional equipment can lead to increased
Engine oil, capacity (I):	4.5		consumption and CO ₂ values.
Cooling capacity (I):	9.2		urban: 15 extra-urban: 7.5
Battery 12 V, capacity (Ah):	66		total: 10.3
Alternator 14 V, capacity (W):	1400	CO_{a} omission (a/km) :	248
		CO ₂ emission (g/km): Emission class:	Euro 3
Transmission		LINISSION Class.	Euro 5
Drive axle:	rear wheel drive	Maintananaa	
Transmission, type:	automatic + lock-up	Maintenance	
Gear ratios:	1st ratio: 2.86 2nd ratio: 1.62 3rd ratio: 1.00	Service intervals:	inspection: every 30,000 km or once a year
	4th ratio: 0.72		
	reverse ratio: 2.00 final drive ratio: 4.22		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c _s):	0.33⁺		
Frontal area (A in m ²):	2.20		
Index (c "xA):	0.73+		
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension, gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
	2, diagonal		
Brake circuits:			
	ventilated disc. 296		
Brakes front, diameter (mm):	ventilated disc, 296 disc. 286		
Brake circuits: Brakes front, diameter (mm): Brakes rear, diameter (mm): ABS:	ventilated disc, 296 disc, 286 standard equipment		

Omega 2.6 V6 Y26 SE 132kW/180hp 5-speed notchback 4 doors

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Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4898
_		Width (mm):	1776
Engine data		Height (mm):	1455
Engine, location:	front, longitudinal on axle, 0° inclined	Wheelbase (mm):	2730
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1514/1530
Cylinders, number:	6	Luggage capacity (I) ECIE:	530-830
Bore (mm):	83.2		713
Stroke (mm):	79.6	Opening luggage compartment to ground (mm):	
Displacement (cc):	2597	Rim width (inch)(mm)/tire size:	6.5Jx15/205/65 R 15 - 94V
		Turning clearance circle/turning circle (m):	11.10/10.35
Compression ratio:	10:1 	Steer. wheel turns lock/lock:	3.0
Engine, type:	v 54°; 4 main bearings	Steering, ratio:	power steering, 14.8
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg)	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	12.8; 9.4
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	1080/1155
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1850/750
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 3.1.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	75, under luggage compartment
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	132/180 at 6000		
Specific power (kW/l; hp/l):	50.8; 69.3	Top speed (km/h):	229
Max. torque (Nm at 1/min):	240 at 3400	Acceleration 0-100 km/h (sec)*:	9.5
Specific torque (Nm/liter):	92.4	Acc. 80-120 km/h in 5th gear (sec)*:	13
Mean effective pressure at		Pass-by noise (dBA):	74
max. power/max. torque (kPa):	1016.6/1161.8	Fuel:	unleaded premium
Average piston speed (m/s):	15.9	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	5.75		Additional equipment can lead to increased
Cooling capacity (I):	9.7		consumption and CO ₂ values.
Battery 12 V, capacity (Ah):	66		urban: 14.9
Alternator 14.2 V, capacity (All):	1680		extra-urban: 8.1
Alternator 14.2 v, capacity (vv).	1000		total: 10.6
_		CO ₂ emission (g/km):	255
Transmission		Emission class:	Euro 3
Drive axle:	rear wheel drive		2010 0
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.95 2nd ratio: 2.19 3rd ratio: 1.39		
	4th ratio: 1.00 5th ratio: 0.85	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.53 final drive ratio: 3.9		
Clutch, type:	dry single plate		
		* Basic model	
Padu /		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c_{p}):	0.32*		
Frontal area (A in m ²):	2.14		
Index (c "xA):	0.68*		
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension, gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 296		
Brakes rear, diameter (mm):	ventilated disc. 296		
ABS:	standard equipment		
TC Plus:			
I U FIUS.	standard equipment		

Omega 2.6 V6 Y26 SE 132kW/180hp 4-speed autom. notchback 4 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01		1000
		Length (mm):	4898
Engine data		Width (mm):	1776
0		Height (mm):	1455
Engine, location:	front, longitudinal on axle, 0° inclined	Wheelbase (mm):	2730
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1514/1530
Cylinders, number:	6	Luggage capacity (I) ECIE:	530-830
Bore (mm):	83.2		
		Opening luggage compartment to ground (mm):	713
Stroke (mm):	79.6	Rim width (inch)(mm)/tire size:	6.5Jx15/205/65 R 15 - 94V
Displacement (cc):	2597	Turning clearance circle/turning circle (m):	11.10/10.35
Compression ratio:	10:1	Steer. wheel turns lock/lock:	3.0
Engine, type:	v 54°; 4 main bearings	Steering, ratio:	power steering, 14.8
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt		
		Kerb weight/max. allowable weight/additional load (kg	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	12.9; 9.5
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	1080/1155
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1750/750
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 3.1.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	75, under luggage compartment
Fuel pump:	electric, in tank		75, under luggage compariment
Emission control system:			
	3-way cat. conv. with 2 oxygen sensors	Performance	
Output (kW/hp CEE at 1/min):	132/180 at 6000	Top speed (km/h):	224
Specific power (kW/l; hp/l):	50.8; 69.3		224
Max. torque (Nm at 1/min):	240 at 3400	Acceleration 0-100 km/h (sec)*:	10.5
Specific torque (Nm/liter):	92.4	Pass-by noise (dBA):	74
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	1016.6/1161.8	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
		· · · · · · · · · · · · · · · · · · ·	Additional equipment can lead to increased
Average piston speed (m/s):	15.9		consumption and CO_2 values.
Engine oil, capacity (I):	5.75		where 40.4
Cooling capacity (I):	9.5		urban: 16.4
Battery 12 V, capacity (Ah):	66		extra-urban: 8.6
Alternator 14.2 V, capacity (W):	1680		total: 11.5
	1000	CO ₂ emission (g/km):	276
_		Emission class:	Euro 3
Transmission			Edito 5
Drive axle:	rear wheel drive	•••	
		Maintenance	
Transmission, type:	automatic + lock-up	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 2.4 2nd ratio: 1.48 3rd ratio: 1.00	Gervice intervals.	inspection. every 50,000 km of once a year
	4th ratio: 0.72		
	reverse ratio: 2.00 final drive ratio: 4.22		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
D 1		, 3 ()	
Body			
Seats:	5		
Drag coefficient (c _p):	0.32*		
Frontal area (A in m ²):	2.14		
Index (c _w xA):	0.68*		
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension, gas-filled shock absorbers		
Anti roll bar:	front + rear		
	non rou		
Brakes			
Brake circuits:	2 diagonal		
	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 296		
Brakes rear, diameter (mm):	ventilated disc, 286		
ABS:	standard equipment		
TC Plus:	standard equipment		

Omega Caravan 2.6 V6 Y26 SE 132kW/180hp 5-speed station wagon 5 doors

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Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4898
		Width (mm):	4898
Engine data			1545
Engine, location:	front, longitudinal on axle, 0° inclined	Height (mm): Wheelbase (mm):	2730
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1514/1525
Cylinders, number:	6	Luggage capacity (I) ECIE:	540-1800
Bore (mm):	83.2	Opening luggage compartment to ground (mm):	619
Stroke (mm):	79.6	Rim width (inch)(mm)/tire size:	6.5Jx15/205/65 R 15 - 94V
Displacement (cc):	2597	Turning clearance circle/turning circle (m):	11.10/10.35
Compression ratio:	10:1	Steer. wheel turns lock/lock:	3.0
Engine, type:	v 54°; 4 main bearings	Steering, ratio:	power steering, 14.8
Cylinder block/head, material:	cast iron/aluminum	Steering, ratio. Steering wheel outside diameter (mm):	380
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg)	
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	13.1; 9.6
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	1080/1260
Valve, analysement:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1750/750
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 3.1.1		75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Trailer hook weight/roof load (kg):	
Fuel pump:	electric, in tank	Fuel tank capacity (I), location:	75, under luggage compartment
Emission control system:	3-way cat. conv. with 2 oxygen sensors	D (
Output (kW/hp CEE at 1/min):	132/180 at 6000	Performance	
Specific power (kW/I; hp/I):	50.8: 69.3	Top speed (km/h):	221
Max. torque (Nm at 1/min):	240 at 3400	Acceleration 0-100 km/h (sec)*:	10
Specific torque (Nm/liter):	92.4	Acc. 80-120 km/h in 5th gear (sec)*:	14
Mean effective pressure at	92.4	Pass-by noise (dBA):	74
	1016.6/1161.8	Fuel:	unleaded premium
max. power/max. torque (kPa): Average piston speed (m/s):	15.9	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	5.75	· · · · · · · · · · · · · · · · · · ·	Additional equipment can lead to increased
	9.7		consumption and CO_2 values.
Cooling capacity (I):			urban: 15
Battery 12 V, capacity (Ah):	66		extra-urban: 8.2
Alternator 14.2 V, capacity (W):	1680		total: 10.7
_		CO ₂ emission (g/km):	257
Transmission		Emission class:	Euro 3
Drive axle:	rear wheel drive		2410 0
Transmission, type:	manual	Maintananaa	
Gear ratios:	1st ratio: 3.95 2nd ratio: 2.19 3rd ratio: 1.39	Maintenance	
	4th ratio: 1.00 5th ratio: 0.85	Service intervals:	inspection: every 30,000 km or once a year
	reverse ratio: 3.53 final drive ratio: 3.9		
Clutch, type:	dry single plate		
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	5		
Drag coefficient (c_{D}):	0.33+		
Frontal area (A in m ²):	2.20		
Index (c "xA):	0.73*		
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
wheel suspension none.	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension, gas-filled shock absorbers		
Anti roll bar:	front + rear		
,			
Prokoo			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 296		
Brakes rear, diameter (mm):	ventilated disc, 286		
ABS:	standard equipment		
TC Plus:	standard equipment		

Omega Caravan 2.6 V6 Y26 SE 132kW/180hp 4-speed autom. station wagon 5 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4898
		Width (mm):	1776
Engine data		Height (mm):	1545
Engine, location:	front, longitudinal on axle, 0° inclined	Wheelbase (mm):	2730
Cooling system:	with liquid, sealed circuit		
Cylinders, number:	6	Track front/rear (mm):	1514/1525
	83.2	Luggage capacity (I) ECIE:	540-1800
Bore (mm):		Opening luggage compartment to ground (mm):	619
Stroke (mm):	79.6	Rim width (inch)(mm)/tire size:	6.5Jx15/205/65 R 15 - 94V
Displacement (cc):	2597	Turning clearance circle/turning circle (m):	11.10/10.35
Compression ratio:	10:1	Steer. wheel turns lock/lock:	3.0
Engine, type:	v 54°; 4 main bearings	Steering, ratio:	power steering, 14.8
Cylinder block/head, material:	cast iron/aluminum	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (k	g): 1733/2300/567
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	13.1; 9.6
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	1080/1260
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1650/750
Fuel system:	sequential multi point fuel injection (SFI), Motronic M 3.1.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	75, under luggage compartment
Fuel pump:	electric, in tank	i dei taint eapaeny (i), ieeatern	ro, ander laggage comparation
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Derfermense	
Output (kW/hp CEE at 1/min):	132/180 at 6000	Performance	
Specific power (kW/l; hp/l):	50.8: 69.3	Top speed (km/h):	216
Max. torque (Nm at 1/min):	240 at 3400	Acceleration 0-100 km/h (sec)*:	11
Specific torque (Nm/liter):	92.4	Pass-by noise (dBA):	74
Mean effective pressure at	92.4	Fuel:	unleaded premium
	4040 0/4404 0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	1016.6/1161.8		Additional equipment can lead to increased
Average piston speed (m/s):	15.9		consumption and CO_2 values.
Engine oil, capacity (I):	5.75		urban: 16.5
Cooling capacity (I):	9.5		extra-urban: 8.7
Battery 12 V, capacity (Ah):	66		
Alternator 14.2 V, capacity (W):	1680		total: 11.6
		CO ₂ emission (g/km):	279
Transmission		Emission class:	Euro 3
Drive axle:	rear wheel drive	Maintenance	
Transmission, type:	automatic + lock-up	Service intervals:	inspection: every 30,000 km or once a year
Gear ratios:	1st ratio: 2.4 2nd ratio: 1.48 3rd ratio: 1.00	Service intervals.	inspection. every 50,000 km of once a year
	4th ratio: 0.72		
	reverse ratio: 2.00 final drive ratio: 4.22	t During the	
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
5	_		
Seats:	5		
Drag coefficient (c _D):	0.33*		
Frontal area (A in m ²):	2.20		
Index (c "xA):	0.73*		
Chassis			
	indexed and MaDhaman strute wishbarra an autoferma		
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension, gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 296		
Brakes rear, diameter (mm):	ventilated disc, 286		
ABS:	standard equipment		
TC Plus:	standard equipment		

Omega 3.2 V6 Y32SE 160kW/218hp 4-speed autom. notchback 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4898
Engine dete		Width (mm):	1776
Engine data		Height (mm):	1455
Engine, location:	front, longitudinal on axle, 0° inclined	Wheelbase (mm):	2730
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1514/1530
Cylinders, number:	6	Luggage capacity (I) ECIE:	530-830
Bore (mm):	87.5	Opening luggage compartment to ground (mm):	713
Stroke (mm):	88	Rim width (inch)(mm)/tire size:	6,5Jx15/205/65 R15 W
Displacement (cc):	3175	Turning clearance circle/turning circle (m):	11.10/10.35
Compression ratio:	10:1	Steer. wheel turns lock/lock:	3.0
Engine, type:	v 54°; 4 main bearings	Steering, ratio:	electrhydr. power steering, 14.8
Cylinder block/head, material:	cast iron/alumnium alloy	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load ((g): 1710/2195/485
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	10.7; 7.8
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	1080/1155
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1875/750
Fuel system:	sequential multi point fuel injection, Motronic M 3.1.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	75, under luggage compartment
Fuel pump:	electric, in tank		
Emission control system:	3-way cat. conv. with oxygen sensor	Performance	
Output (kW/hp CEE at 1/min):	160/218 at 6000		040
Specific power (kW/l; hp/l):	50.4; 68.7	Top speed (km/h):	240 9
Max. torque (Nm at 1/min):	290 at 3400	Acceleration 0-100 km/h (sec)*:	
Specific torque (Nm/liter):	91.3	Pass-by noise (dBA):	74
Mean effective pressure at		Fuel:	unleaded premium
max. power/max. torque (kPa):	1007.9/1148.3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	17.6		Additional equipment can lead to increased
Engine oil, capacity (I):	5.75		consumption and CO ₂ values.
Cooling capacity (I):	9.5		urban: 16.8
Battery 12 V, capacity (Ah):	66		extra-urban: 8.9
Alternator 14 V, capacity (W):	1680		total: 11.8
		CO ₂ emission (g/km): Emission class:	284 Euro 3
Transmission		Emission class:	Euro 3
Drive axle:	rear wheel drive		
Transmission, type:	automatic + lock-up	Maintenance	
Gear ratios:	1st ratio: 2.4 2nd ratio: 1.48 3rd ratio: 1.0	Service intervals:	inspection: annually or every 15.000 km,
Scal failes.	4th ratio: 0.72		inspection every 30,000 km
	reverse ratio: 2.0 final drive ratio: 3.9		
Clutch, type:	dry single plate		
Cidicil, type.	diy single plate	* Basic model	
Dedu		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c _p):	0.32*		
Frontal area (A in m ²):	2.14		
Index (c "xA):	0.68+		
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
wheel suspension front.	gas pre-loaded struts		
W/heel evenencien rear			
Wheel suspension rear:	multi-link suspension, gas-filled shock absorbers		
Anti roll bar:	front + rear		
Dual as			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 296		
Brakes rear, diameter (mm):	ventilated disc, 286		
ABS:	standard equipment		
TC Plus:	standard equipment		

Omega Caravan 3.2 V6 Y32SE 160kW/218hp 4-speed autom. station wagon 5 doors

	· · · ·		
Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4898
		Width (mm):	4696 1776
Engine data			
Engine, location:	front, longitudinal on axle, 0° inclined	Height (mm):	1545
		Wheelbase (mm):	2730
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1514/1530
Cylinders, number:	6	Luggage capacity (I) ECIE:	540-1800
Bore (mm):	87.5	Opening luggage compartment to ground (mm):	619
Stroke (mm):	88	Rim width (inch)(mm)/tire size:	6,5Jx15/205/65 R15 W
Displacement (cc):	3175	Turning clearance circle/turning circle (m):	11.10/10.35
Compression ratio:	10:1	Steer. wheel turns lock/lock:	3.0
Engine, type:	v 54°; 4 main bearings	Steering, ratio:	electrhydr. power steering, 14.8
Cylinder block/head, material:	cast iron/alumnium alloy	Steering wheel outside diameter (mm):	380
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (k	g): 1733/2305/572
Valve train:	hydraulic bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	10.8; 7.9
Valve, arrangement:	v; 4 per cylinder	Max. axle load front/rear (kg):	1080/1260
Valve adjustment:	automatic - hydraulic	Trailer load braked/unbraked (kg):	1875/750
Fuel system:	sequential multi point fuel injection, Motronic M 3.1.1	Trailer hook weight/roof load (kg):	75/100
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Fuel tank capacity (I), location:	75, under luggage compartment
Fuel pump:	electric, in tank		-,
Emission control system:	3-way cat. conv. with oxygen sensor	Performance	
Output (kW/hp CEE at 1/min):	160/218 at 6000		
Specific power (kW/l; hp/l):	50.4; 68.7	Top speed (km/h):	232
Max. torque (Nm at 1/min):	290 at 3400	Acceleration 0-100 km/h (sec)*:	9.5
Specific torque (Nm/liter):	91.3	Pass-by noise (dBA):	74
Mean effective pressure at	0.10	Fuel:	unleaded premium
max. power/max. torque (kPa):	1007.9/1148.3	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	17.6		Additional equipment can lead to increased
Engine oil, capacity (I):	5.75		consumption and CO ₂ values.
Cooling capacity (I):	9.5		urban: 16.9
Battery 12 V, capacity (Ah):	66		extra-urban: 9.0
Alternator 14 V, capacity (W):	1680		total: 11.9
Alternator 14 v, capacity (vv):	1080	CO ₂ emission (g/km):	286
		Emission class:	Euro 3
Transmission			Edito
Drive axle:	rear wheel drive	Maintononaa	
Transmission, type:	automatic + lock-up	Maintenance	
Gear ratios:	1st ratio: 2.4 2nd ratio: 1.48 3rd ratio: 1.0	Service intervals:	inspection: annually or every 15.000 km,
	4th ratio: 0.72		inspection every 30,000 km
	reverse ratio: 2.0 final drive ratio: 3.9		
Clutch, type:	dry single plate		
Oldion, type.	ary single plate	⁺ Basic model	
Dealer		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Drag coefficient (c,):	0.33*		
Frontal area (A in m ²):	2.20		
Index (c "xA):	0.73*		
(w)			
Chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension, gas-filled shock absorbers		
Anti roll bar:	front + rear		
Brakes			
	0 diagonal		
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 296		
Brakes rear, diameter (mm):	ventilated disc, 286		
ABS:	standard equipment		
TC Plus:	standard equipment		

Speedster 2.2 16V Z22SE 108kW/147hp 5-speed open two-seater 2 doors

Model year: Date:	2001 ½ 27.02.01	Weights and dimensions	
Date.	27.02.01	Length (mm):	3786
Engine dete		Width (mm):	1708
Engine data		Height (mm):	1117
Engine, location:	mid, transverse ahead of rear axle, 10° inclined	Wheelbase (mm):	2330
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1450/1488
Cylinders, number:	4	Luggage capacity (I) ECIE:	206
Bore (mm):	86	Opening luggage compartment to ground (mm):	837
Stroke (mm):	94.6	Rim width (inch)(mm)/tire size:	5.5Jx17/175/55 R 17, 7.5Jx17/225/45 R 17
Displacement (cc):	2198	Turning clearance circle (m):	11.6
Compression ratio:	10:1	Steer. wheel turns lock/lock:	2.8
Engine, type:	in line; 5 main bearings	Steering, ratio:	rack, 15.8
Cylinder block/head, material:	aluminum/aluminum	Steering, raio. Steering wheel outside diameter (mm):	320
Camshaft(s), location:	2 overhead (DOHC), driven by chain		
Valve train:	roller finger follower	Kerb weight/max. allowable weight/additional load (kg	8.8; 6.4
Valve, arrangement:	v: 4 per cvlinder	Power to weight ratio (kg/kW; kg/hp)(empty):	
Valve adjustment:	automatic - hydraulic	Max. axle load front/rear (kg):	450/700
Fuel system:		Fuel tank capacity (I), location:	36, between engine and cabine
	sequential multi point fuel injection		
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Performance	
Fuel pump:	electric, in tank	Top speed (km/h):	217
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Acceleration 0-100 km/h (sec)*:	5.9
Output (kW/hp CEE at 1/min):	108/147 at 5800	Acc. 80-120 km/h in 5th gear (sec)*:	8.3
Specific power (kW/l; hp/l):	49.1; 66.9		8.3 73
Max. torque (Nm at 1/min):	203 at 4000	Pass-by noise (dBA):	
Specific torque (Nm/liter):	92.4	Fuel:	unleaded premium 95 RON
Mean effective pressure at		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	1016.6/1161.1		Additional equipment can lead to increased
Average piston speed (m/s):	18.3		consumption and CO ₂ values.
Engine oil, capacity (I):	6		urban: 12.3
Cooling capacity (I):	12.3		extra-urban: 6.4
Battery 12 V, capacity (Ah):	38		total: 8.5
Alternator 14.2 V, capacity (W):	1633	CO ₂ emission (g/km):	205
		Emission class:	Euro 4
Transmission			
Drive axle:	rear wheel drive	Maintenance	
Transmission, type:	5-speed manual	Service intervals:	inspection: every 15,000 km or once a year
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35		· · · · · · · · · · · · · · · · · · ·
Geal Tallos.			
	4th ratio: 0.97 5th ratio: 0.81	* Basic model	
	reverse ratio: 3.31 final drive ratio: 3.95	* Kerb weight (70156 EEC) and 125 kg payload	
Clutch, type:	single-plate clutch	Kelb weight (70100 EEO) and 120 kg payload	
Body			
Body			
Seats:	2		
Drag coefficient (c _D):	0.38+		
Frontal area (A in m ²):	1.6		
Index (c _w xA):	0.60^{+}		
Ohaasia			
Chassis			
Wheel suspension front:	independent, double wishbone, coil springs,		
	shock absorbers		
Wheel suspension rear:	independent, double wishbone, multi-link suspension,		
	shock absorbers		
Brakes			
	0 diagonal		
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 288		
Brakes rear, diameter (mm): ABS:	ventilated disc, 288 standard equipment		

Frontera Sport 2.2 DTI 16V Y22DTH 85kW/115hp 5-speed recreational vehicle 3 doors

Tionera Sport 2.2 Dillov 12201	H OSKW/11511p S-Speed Tecleational vehicle 5 doors		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4268
Engine data		Width (mm):	1787
5		Height (mm):	1692
Engine, location:	front, longitudinal on axle, 6° backward inclined	Wheelbase (mm):	2462
Cooling system:	with liquid, sealed circuit	Overhang front/rear:	32°/29°
Cylinders, number:	4	Track front/rear (mm):	1515/1520
Bore (mm):	84	Loadspace length/ -width max./min. (mm):	1440/1416/1267
Stroke (mm):	98	Luggage capacity (I) ECIE:	321-1137
Displacement (cc):	2171	Opening luggage compartment to ground (mm):	710
Compression ratio:	18.5:1	Rim width (inch)(mm)/tire size:	6.5Jx15/235/75 R15 105 T
Engine, type:	in line; 5 main bearings	Turning clearance circle/turning circle (m):	11.21/10.58
Cylinder block/head, material:	cast iron/aluminum	Steer. wheel turns lock/lock:	3.64
Camshaft(s), location:	1 overhead (OHC), driven by chain	Steering, ratio:	power steering, 21.1
Valve train:	direct, hydraulic bucket tappets	Steering, heel outside diameter (mm):	382
Valve, arrangement:	parallel; 4 per cylinder		
Valve adjustment:	automatic - hydraulic	Kerb weight/max. allowable weight/additional load (kg	
		Power to weight ratio (kg/kW; kg/hp)(empty):	21.1; 15.6
Fuel system:	diesel direct injection	Max. axle load front/rear (kg):	1250/1350
Fuel pump:	mechanical	Trailer load braked/unbraked (kg):	2400/750
Emission control system:	2-way cat. conv.	Trailer hook weight/roof load (kg):	96/100
Output (kW/hp CEE at 1/min):	85/115 at 3800	Fuel tank capacity (I), location:	65, under luggage compartment
Specific power (kW/l; hp/l):	39.2; 53.2		
Max. torque (Nm at 1/min):	260 at 1900	Performance	
Specific torque (Nm/liter):	119.8		
Mean effective pressure at		Top speed (km/h):	155
max. power/max. torque (kPa):	1236.4/1505.39	Acceleration 0-100 km/h (sec)*:	13.9
Average piston speed (m/s):	8.2	Acceleration 0-400/0-1000 m (sec):	18.9/35.4
Engine oil, capacity (I):	6	Acc. 80-120 km/h in 5th gear (sec)*:	14.9
Cooling capacity (I):	7.9	Pass-by noise (dBA):	75
Battery 12 V, capacity (Ah):	72	Fuel:	diesel
Ballory 12 V, capacity (711).	12	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
T			Additional equipment can lead to increased
Transmission			consumption and CO ₂ values.
Drive axle:	rear wheel drive, 4 wheel drive		urban: 11.1
Transmission, type:	manual		extra-urban: 7.1
Gear ratios:	1st ratio: 3.77 2nd ratio: 2.25 3rd ratio: 1.40		total: 8.6
	4th ratio: 1.00 5th ratio: 0.81 reduction: 2.05	CO ₂ emission (g/km):	232
	reverse ratio: 3.87 final drive ratio: 4.56	Emission class:	
Clutch, type:	dry single plate	Emission class:	98/69/EG III; A
Differential front, type:	standard	Maintenance	
Differential rear, type:	standard (hypoid optional)	Service intervals:	inspection: annually or every 15.000 km
Four-wheel drive control, type:	manual		hispection, annually of every 10.000 km
Possible operation (4WD):	up to 100 km/h "Shift on the Fly"		
Distribution in (4WD), front/rear (%):	50/50	[†] Dania madal	
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
Seats:	4		
Seals.	4		
Chassis			
Wheel suspension front:	independent, double wishbone, torsion bar spring(s),		
Wheel suspension none.	twin tube gas pressure shock absorbers		
Wheel suspension rear:	rigid axle, 4 longitudinal arms, Panhard rod,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, front axle - rear axle		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	ventilated disc, 313		
ABS:	option		

Frontera Sport RS 2.2 DTI 16V Y22DTH 85kW/115hp 4-speed autom. recreational vehicle 3 doors

Model year: Date:

Engine data

Engine, location: Cooling system: Cylinders, number: Bore (mm): Stroke (mm): Displacement (cc): Compression ratio: Engine, type: Cylinder block/head. material: Camshaft(s), location: Valve train: Valve, arrangement: Valve adjustment: Fuel system: Fuel pump: Emission control system: Output (kW/hp CEE at 1/min): Specific power (kW/l; hp/l): Max. torque (Nm at 1/min): Specific torque (Nm/liter): Mean effective pressure at max. power/max. torque (kPa): Average piston speed (m/s): Engine oil, capacity (I): Cooling capacity (I): Battery 12 V, capacity (Ah):

Transmission

Drive axle: Transmission, type: Gear ratios:

Clutch. type: Differential front, type: Differential rear, type: Four-wheel drive control, type: Possible operation (4WD): Distribution in (4WD), front/rear (%):

Body Seats:

Chassis

Wheel suspension front:

Wheel suspension rear:

Anti roll bar:

Brakes

Brake circuits: Brakes front, diameter (mm): Brakes rear, diameter (mm): ABS:

20011/2 27.02.01

front, longitudinal on axle, ° backward inclined with liquid, sealed circuit Δ 84 98 2171 18.5:1 in line; 5 main bearings cast iron/aluminum 1 overhead (OHC), driven by chain direct, hydraulic bucket tappets parallel; 4 per cylinder automatic - hvdraulic diesel direct injection mechanical 2-way cat. conv. 85/115 at 3800 39.2: 52.0 260 at 1900 119.8 1236.4/15039 8.2 6 7.8 72

part-time 4wd, 4 wheel drive automatic with oil cooler 1st ratio : 2.86 2nd ratio : 1.62 3rd ratio : 1.00 4th ratio : 0.72 reduction : 2.051 reverse ratio : 2.00 final drive ratio : 4.56 torque converter standard standard (hypoid optional) manual up to 100 km/h "Shift on the Fly" 50/50

independent, double wishbone, torsion bar spring(s), twin tube gas pressure shock absorbers rigid axle, 4 longitudinal arms, Panhard rod, twin tube gas pressure shock absorbers front + rear

2. front axle - rear axle ventilated disc. 280 ventilated disc, 313 standard equipment

4

Weights and dimensions

Length (mm): Width (mm): Height (mm): Wheelbase (mm): Overhang front/rear: Track front/rear (mm): Loadspace length/ -width max./min. (mm): Luggage capacity (I) ECIE: Opening luggage compartment to ground (mm): Rim width (inch)(mm)/tire size: Turning clearance circle/turning circle (m): Steer. wheel turns lock/lock: Steering, ratio: Steering wheel outside diameter (mm): Kerb weight/max. allowable weight/additional load (kg) Power to weight ratio (kg/kW; kg/hp)(empty): Max. axle load front/rear (kg): Trailer load braked/unbraked (kg): Trailer hook weight/roof load (kg): Fuel tank capacity (I), location:

Performance

Top speed (km/h): Acceleration 0-100 km/h (sec)*: Acceleration 0-400/0-1000 m (sec): Pass-by noise (dBA): Fuel: Fuel consumption (liter/100 km):

CO₂ emission (g/km): Emission class:

Maintenance

Service intervals:

* Basic model

4268 1787 1692 2462 3229° 1515/1520 1440/1416/1267 321-1137 710 6.5Jx15/235/75 R15 105 T 11.21/10.58 3.64 power steering, 21.1 382 : 1810/2300/565 21.3:.8 1250/1350 2400/750 96/100 65, under luggage compartment 156 15 19.5/36 75 diesel Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values. urban: 12.2 extra-urban: 7.8 9.4 total: 254

98/69/EG III: A

inspection: annually or every 15.000 km

* Kerb weight (70156 EEC) and 125 kg payload

Frontera 2.2 DTI 16V Y22DTH 85kW/115hp 5-speed recreational vehicle 5 doors

	Thomp 5-speed recreational vehicle 5 doors		
Model year:	2001½	Weights and dimensions	
Date:	27.02.01		1050
		Length (mm):	4658
Engine data		Width (mm):	1787 1740
Engine, location:	front, longitudinal on axle, ° backward inclined	Height (mm): Wheelbase (mm):	2702
Cooling system:	with liquid, sealed circuit	Overhang front/rear:	37/23°
Cylinders, number:	4	Track front/rear (mm):	1515/1520
Bore (mm):	84	Loadspace length/ -width max./min. (mm):	1757/1443/1380
Stroke (mm):	98	Luggage capacity (I) ECIE:	389-1790
Displacement (cc):	2171	Opening luggage compartment to ground (mm):	710
Compression ratio:	18.5:1	Rim width (inch)(mm)/tire size:	6.5Jx15/235/75 R15 105 T
Engine, type:	in line; 5 main bearings	Turning clearance circle/turning circle (m):	12.12/11.48
Cylinder block/head, material:	cast iron/aluminum	Steer. wheel turns lock/lock:	3.64
Camshaft(s), location:	1 overhead (OHC), driven by chain	Steering, ratio:	power steering, 21.1
Valve train:	direct, hydraulic bucket tappets	Steering wheel outside diameter (mm):	382
Valve, arrangement:	parallel; 4 per cylinder	Kerb weight/max. allowable weight/additional load (kg)	
Valve adjustment:	automatic - hydraulic	Power to weight ratio (kg/kW; kg/hp)(empty):	21.8; 16.1
Fuel system: Fuel pump:	diesel direct injection mechanical	Max. axle load front/rear (kg):	1250/1450
Emission control system:	2-way cat. conv.	Trailer load braked/unbraked (kg):	2800/750
Output (kW/hp CEE at 1/min):	85/115 at 3800	Trailer hook weight/roof load (kg): Fuel tank capacity (I), location:	112/100
Specific power (kW/l; hp/l):	39.2; 52	Fuertank capacity (I), location:	75, under luggage compartment
Max. torque (Nm at 1/min):	260 at 1900	Derfermense	
Specific torque (Nm/liter):	119.8	Performance	
Mean effective pressure at		Top speed (km/h):	154
max. power/max. torque (kPa):	1236./1505.39	Acceleration 0-100 km/h (sec)*:	14.6
Average piston speed (m/s):	8.2	Acceleration 0-400/0-1000 m (sec):	19.3/36.2
Engine oil, capacity (I):	6	Acc. 80-120 km/h in 5th gear (sec)*:	17
Cooling capacity (I):	7.9	Pass-by noise (dBA):	75
Battery 12 V, capacity (Ah):	72	Fuel: Fuel consumption (liter/100 km):	diesel
			Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased
Transmission			consumption and CO_2 values.
Drive axle:	rear wheel drive, 4 wheel drive		urban: 11.2
Transmission, type:	manual		extra-urban: 7.2
Gear ratios:	1st ratio: 3.77 2nd ratio: 2.25 3rd ratio: 1.40		total: 8.7
	4th ratio: 1.00 5th ratio: 0.81 reduction: 2.05	CO ₂ emission (g/km):	235
	reverse ratio : 3.87 final drive ratio : 4.56	Emission class:	98/69/EG III; A
Clutch, type:	dry single plate		
Differential front, type:	standard	Maintenance	
Differential rear, type:	standard (hypoid optional)	Service intervals:	inspection: annually or every 15.000 km
Four-wheel drive control, type:	manual	Service Intervals.	inspection, annually of every 13,000 km
Possible operation (4WD):	up to 100 km/h "Shift on the Fly"		
Distribution in (4WD), front/rear (%):	50/50	* Basic model	
D. J		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Chassis			
Wheel suspension front:	independent, double wishbone, torsion bar spring(s),		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	rigid axle, 4 longitudinal arms, Panhard rod,		
·····	twin tube gas pressure shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, front axle - rear axle		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	ventilated disc, 200		
ABS:	option		
		'	

Frontera Limited 2.2 DTI 16V Y22DTH 85kW/115hp 4-speed autom, recreational vehicle 5 doors

Model year: Date: Engine data Engine, location: Cooling system: Cylinders, number: Bore (mm): Stroke (mm): Displacement (cc): Compression ratio: Engine, type: Cylinder block/head. material: Camshaft(s), location: Valve train: Valve, arrangement: Valve adjustment: Fuel system: Fuel pump: Emission control system: Output (kW/hp CEE at 1/min): Specific power (kW/l; hp/l): Max. torque (Nm at 1/min): Specific torque (Nm/liter): Mean effective pressure at max. power/max. torque (kPa): Average piston speed (m/s): Engine oil, capacity (I): Cooling capacity (I): Battery 12 V, capacity (Ah):

Transmission

Drive axle: Transmission, type: Gear ratios:

Clutch. type: Differential front, type: Differential rear, type: Four-wheel drive control, type: Possible operation (4WD): Distribution in (4WD), front/rear (%):

Body Seats:

Chassis

Wheel suspension front:

Wheel suspension rear:

Anti roll bar:

Brakes

Brake circuits: Brakes front, diameter (mm): Brakes rear, diameter (mm): ABS:

20011/2 27.02.01

front, longitudinal on axle, ° backward inclined with liquid, sealed circuit 4 84 98 2171 18.5:1 in line; 5 main bearings cast iron/aluminum 1 overhead (OHC), driven by chain direct, hydraulic bucket tappets parallel; 4 per cylinder automatic - hvdraulic diesel direct injection mechanical 2-way cat. conv. 85/115 at 3800 39.2: 52 260 at 1900 119.8 1236./1505.39 8.2 6 7.9 72

part-time 4wd, 4 wheel drive automatic with oil cooler 1st ratio: 2.86 2nd ratio: 1.62 3rd ratio: 1.00 4th ratio : 0.72 reduction : 2.051 reverse ratio : 2.00 final drive ratio : 4.56 torque converter standard standard (hypoid optional) manual up to 100 km/h "Shift on the Fly" 50/50

independent, double wishbone, torsion bar spring(s), twin tube gas pressure shock absorbers rigid axle, 4 longitudinal arms, Panhard rod, twin tube gas pressure shock absorbers front + rear

2. front axle - rear axle ventilated disc. 280 ventilated disc, 313 standard equipment

5

Weights and dimensions

Length (mm): Width (mm): Height (mm): Wheelbase (mm): Overhang front/rear: Track front/rear (mm): Loadspace length/ -width max./min. (mm): Luggage capacity (I) ECIE: Opening luggage compartment to ground (mm): Rim width (inch)(mm)/tire size: Turning clearance circle/turning circle (m): Steer. wheel turns lock/lock: Steering, ratio: Steering wheel outside diameter (mm): Kerb weight/max. allowable weight/additional load (kg) Power to weight ratio (kg/kW; kg/hp)(empty): Max. axle load front/rear (kg): Trailer load braked/unbraked (kg): Trailer hook weight/roof load (kg): Fuel tank capacity (I), location:

Performance

Top speed (km/h): Acceleration 0-100 km/h (sec)*: Acceleration 0-400/0-1000 m (sec): Pass-by noise (dBA): Fuel: Fuel consumption (liter/100 km):

CO₂ emission (g/km): Emission class:

Maintenance

Service intervals:

* Basic model * Kerb weight (70156 EEC) and 125 kg payload

1787 1740 2702 3223° 1515/1520 1757/1443/1380 389-1790 710 6.5Jx15/235/75 R15 105 T 12.12/11.48 3.64 power steering, 21.1 382 : 1871/2450/654 22.0; 16.3 1250/1450 2800/750 112/100 75, under luggage compartment 157 15.8 19.6/36.9 75 diesel Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.

4658

4

urban: 12.3 extra-urban: 7.9 9.5 total: 257 98/69/EG III: A

inspection: annually or every 15.000 km

Frontera Sport 2.2 16V Y22SE 100kW/136hp 5-speed recreational vehicle 3 doors

Model year:	20011/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4268
Engine data		Width (mm):	1787
5		Height (mm):	1692
Engine, location:	front, longitudinal on axle, ° 16' backward inclined	Wheelbase (mm):	2462
Cooling system:	with liquid, sealed circuit	Overhang front/rear:	37229°
Cylinders, number:		Track front/rear (mm):	1515/1520
Bore (mm):	86 94.6	Loadspace length/-width max./min. (mm):	1440/1416/1267
Stroke (mm):	94.0 2198	Luggage capacity (I) ECIE:	321-1137
Displacement (cc): Compression ratio:	10:1	Opening luggage compartment to ground (mm):	710
Engine, type:	in line; main bearings	Rim width (inch)(mm)/tire size:	6.5Jx15/235/75 R15 105 T
Cylinder block/head, material:	cast iron/aluminum	Turning clearance circle/turning circle (m):	12.12/11.48
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Steer. wheel turns lock/lock:	3.64
Valve train:	direct, hydraulic bucket tappets	Steering, ratio:	power steering, 21.1 382
Valve, arrangement:	parallel; 4 per cylinder	Steering wheel outside diameter (mm): Kerb weight/max. allowable weight/additional load (kg	
Valve adjustment:	automatic - hydraulic) : 1739/2300/636 17.4; 12.8
Fuel system:	ind. el. fuel inj., multipoint	Power to weight ratio (kg/kW; kg/hp)(empty): Max. axle load front/rear (kg):	1250/1350
Fuel pump:	electric, in tank	Trailer load braked/unbraked (kg):	2400/750
Output (kW/hp CEE at 1/min):	100/136 at 5200	Trailer hook weight/roof load (kg):	96/100
Specific power (kW/l; hp/l):	45.5: 68	Fuel tank capacity (I), location:	65, under luggage compartment
Max. torque (Nm at 1/min):	200 at 2500	i dei tank capacity (i), iocation.	03, under luggage compariment
Specific torque (Nm/liter):	91.0	Dorformanaa	
Mean effective pressure at		Performance	
max. power/max. torque (kPa):	1049.9/11477	Top speed (km/h):	162
Average piston speed (m/s):	16.4	Acceleration 0-100 km/h (sec)*:	13.4
Engine oil, capacity (I):	4.5	Acceleration 0-400/0-1000 m (sec):	18.8/35.2
Cooling capacity (I):	7.1	Acc. 80-120 km/h in 5th gear (sec)*: Pass-by noise (dBA):	26.5 74
Transmission		Fuel:	unleaded premium 95 RON
Drive axle:	rear wheel drive, 4 wheel drive	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased
Transmission, type:	manual		consumption and CO_2 values.
Gear ratios:	1st ratio : 3.77 2nd ratio : 2.25 3rd ratio : 1.40		urban: 15.8
	4th ratio: 1.00 5th ratio: 0.81 reduction : 2.05		extra-urban: 8.9
	reverse ratio: 3.87 final drive ratio: 4.78		total: 11.4
Clutch, type:	dry single plate	CO ₂ emission (g/km):	273
Differential front, type:	standard	Emission class:	Euro 3
Differential rear, type:	standard (hypoid optional)		20.00
Four-wheel drive control, type:	manual	Maintenance	
Possible operation (4WD):	up to 100 km/h "Shift on the Fly"		
Distribution in (4WD), front/rear (%):	50/50	Service intervals:	inspection: annually or every 15.000 km
Body		* Basic model	
Seats:	4	* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, double wishbone, torsion bar spring(s),		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	rigid axle, 4 longitudinal arms, Panhard rod, twin tube gas pressure shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brakes Brake circuits:	2, front axle - rear axle		
	2, front axle - rear axle ventilated disc, 280		
Brake circuits:			

Frontera 2.2 16V Y22SE 100kW/136hp 5-speed recreational vehicle 5 doors

	<u> </u>		
Model year:	20011/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4658
Francis a data		Width (mm):	1787
Engine data		Height (mm):	1740
Engine, location:	front, longitudinal on axle, ° 16' backward inclined	Wheelbase (mm):	2702
Cooling system:	with liquid, sealed circuit	Overhang front/rear:	3723°
Cylinders, number:	4	Track front/rear (mm):	1515/1520
Bore (mm):	86	Loadspace length/ -width max./min. (mm):	1757/1443/1380
Stroke (mm):	94.6	Luggage capacity (I) ECIE:	389-1790
Displacement (cc):	2198	Opening luggage compartment to ground (mm):	710
Compression ratio:	10:1	Rim width (inch)(mm)/tire size:	6.5Jx15/235/75 R15 105 T
Engine, type:	in line; main bearings	Turning clearance circle/turning circle (m):	11.21/10.58
Cylinder block/head, material: Camshaft(s), location:	cast iron/aluminum	Steer. wheel turns lock/lock:	3.64
Valve train:	2 overhead (DOHC), driven by toothed belt direct, hydraulic bucket tappets	Steering, ratio:	power steering, 21.1
Valve, arrangement:	parallel; 4 per cylinder	Steering wheel outside diameter (mm):	382
Valve adjustment:	automatic - hydraulic	Kerb weight/max. allowable weight/additional load (kg) :1799/2400/676 18.0; 13.2
Fuel system:	ind. el. fuel inj., multipoint	Power to weight ratio (kg/kW; kg/hp)(empty): Max. axle load front/rear (kg):	1250/1450
Fuel pump:	electric, in tank	Trailer load braked/unbraked (kg):	2600/750
Output (kW/hp CEE at 1/min):	100/136 at 5200	Trailer hook weight/roof load (kg):	112/100
Specific power (kW/l; hp/l):	45.5; 68	Fuel tank capacity (I), location:	75, under luggage compartment
Max. torque (Nm at 1/min):	200 at 2500		75, under luggage compartment
Specific torque (Nm/liter):	91.0	Dorformanaa	
Mean effective pressure at		Performance	
max. power/max. torque (kPa):	1049.9/11477	Top speed (km/h):	163
Average piston speed (m/s):	16.4	Acceleration 0-100 km/h (sec)*:	14.4
Engine oil, capacity (I):	4.5	Acceleration 0-400/0-1000 m (sec):	19.3/36
Cooling capacity (I):	7.1	Acc. 80-120 km/h in 5th gear (sec)*:	29.5
		Pass-by noise (dBA):	74
Transmission		Fuel:	unleaded premium 95 RON
Drive axle:	rear wheel drive, 4 wheel drive	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Transmission, type:	manual		Additional equipment can lead to increased
Gear ratios:	1st ratio : 3.77 2nd ratio : 2.25 3rd ratio : 1.40		consumption and CO ₂ values. urban: 15.8
	4th ratio : 1.00 5th ratio: 0.81 reduction : 2.05		urban: 15.8 extra-urban: 8.9
	reverse ratio : 3.87 final drive ratio : 4.78		total: 11.4
Clutch, type:	dry single plate	CO ₂ emission (g/km):	273
Differential front, type:	standard	Emission class:	Euro 3
Differential rear, type:	standard (hypoid optional)		Editos
Four-wheel drive control, type:	manual	Maintenance	
Possible operation (4WD):	up to 100 km/h "Shift on the Fly"		
Distribution in (4WD), front/rear (%):	50/50	Service intervals:	inspection: annually or every 15.000 km
5			
Body		* Basic model	
Seats:	5	* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, double wishbone, torsion bar spring(s),		
	twin tube gas pressure shock absorbers		
Wheel suspension rear:	rigid axle, 4 longitudinal arms, Panhard rod,		
	twin tube gas pressure shock absorbers		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, front axle - rear axle		
Brakes front, diameter (mm):	ventilated disc, 280		
Brakes rear, diameter (mm):	ventilated disc, 313		
ABS:	option		

Frontera Sport RS 3.2 V6 Y32NE 151kW/205hp 5-speed recreational vehicle 3 doors

Date:

Bodv

Seats:

Model year: 20011/2 Brakes 27.02.01 Brake circuits: 2. front axle - rear axle Brakes front, diameter (mm): ventilated disc. 280 Engine data Brakes rear, diameter (mm): ventilated disc. 313 Engine, location: front, longitudinal on axle, ° 16' backward inclined ABS. standard equipment Cooling system: with liquid, sealed circuit Cylinders, number: 6 Weights and dimensions Bore (mm) 93.4 Length (mm): 4268 Stroke (mm): 77 1787 Width (mm): Displacement (cc): 3165 Height (mm): 1692 Compression ratio: 9.4:1 Wheelbase (mm): 2462 Engine, type: v 75: 4 main bearings Overhang front/rear: 3229° Cylinder block/head. material: aluminum/aluminum Track front/rear (mm): 1515/1520 Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt Loadspace length/ -width max./min. (mm): 1440/1416/1267 Valve train: direct, mechanical tappets Luggage capacity (I) ECIE: 321-1137 Valve, arrangement: v; 4 per cylinder Opening luggage compartment to ground (mm): 710 Valve adjustment: automatic - hvdraulic Rim width (inch)(mm)/tire size: 7Jx16/245/70 R16 107 H multi point fuel injection, Motronic Fuel system: Turning clearance circle/turning circle (m): 12.12/11.48 Fuel pump: electric, in tank Steer, wheel turns lock/lock: 3.64 Emission control system: 3-way cat. conv. with oxygen sensor Steering, ratio: power steering, 21.1 Output (kW/hp CEE at 1/min): 151/205 at 5400 Steering wheel outside diameter (mm): 382 Specific power (kW/l; hp/l): 47.7:64.8 Kerb weight/max. allowable weight/additional load (kg) : 1801/2300/574 Max. torque (Nm at 1/min): 290 at 3000 Power to weight ratio (kg/kW; kg/hp)(empty): 17.4: 12.8 Specific torque (Nm/liter): 91.6 Max, axle load front/rear (kg): 1250/1350 Mean effective pressure at 2400/750 Trailer load braked/unbraked (kg): max. power/max. torque (kPa): 1060.2/111.75 Trailer hook weight/roof load (kg): 96/100 Average piston speed (m/s): 13.9 Fuel tank capacity (I), location: 65, under luggage compartment 4.7 Engine oil, capacity (I): Cooling capacity (I): 11.1 Battery 12 V, capacity (Ah): Performance 60 Alternator 13.5 V, capacity (W): 1012.5 Top speed (km/h): 184 Acceleration 0-100 km/h (sec)*: 10.3 Transmission Acceleration 0-400/0-1000 m (sec): 17/31.7 Acc. 80-120 km/h in 5th gear (sec)*: 16.9 Drive axle: rear wheel drive. 4 wheel drive Pass-by noise (dBA): 75 Transmission, type: manual Fuel: unleaded premium 90 RON or more Gear ratios: 1st ratio : 3.77 2nd ratio : 2.25 3rd ratio : 1.40 Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. 4th ratio: 1.00 5th ratio: 0.81 reduction: 2.05 Additional equipment can lead to increased reverse ratio : 3.87 final drive ratio : 4.78 consumption and CO₂ values. Clutch. type: drv single plate urban: 17.8 Differential front, type: standard extra-urban: 10.2 Differential rear, type: standard (hypoid optional) total: 13.0 Four-wheel drive control, type: manual CO₂ emission (g/km): up to 100 km/h "Shift on the Fly" 312 Possible operation (4WD): Emission class Euro 3 Distribution in (4WD), front/rear (%): 50/50 Maintenance Service intervals: inspection: annually or every 15.000 km 4 Chassis * Basic model Wheel suspension front: independent, double wishbone, torsion bar spring(s). * Kerb weight (70156 EEC) and 125 kg payload twin tube gas pressure shock absorbers rigid axle, 4 longitudinal arms, Panhard rod, Wheel suspension rear: twin tube gas pressure shock absorbers Anti roll bar: front + rear

Frontera Limited 3.2 V6 Y32NE 151kW/205hp 5-speed recreational vehicle 5 doors

Model year: 20011/2 Brakes 27.02.01 Date: Brake circuits: 2. front axle - rear axle Brakes front, diameter (mm): ventilated disc. 280 Engine data Brakes rear, diameter (mm): ventilated disc. 313 Engine, location: front, longitudinal on axle, ° 30' backward inclined ABS. standard equipment Cooling system: with liquid, sealed circuit Cylinders, number: 6 Weights and dimensions Bore (mm): 93.4 Length (mm): 4658 Stroke (mm): 77 1787 Width (mm): Displacement (cc): 3165 Height (mm): 1740 Compression ratio: 9.4:1 Wheelbase (mm): 2702 Engine, type: v 75: 4 main bearings Overhang front/rear: 3223° Cylinder block/head. material: aluminum/aluminum Track front/rear (mm): 1515/1520 Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt Loadspace length/ -width max./min. (mm): 1757/1443/1380 Valve train: direct, mechanical tappets Luggage capacity (I) ECIE: 389-1790 Valve, arrangement: v; 4 per cylinder Opening luggage compartment to ground (mm): 710 Valve adjustment: automatic - hvdraulic Rim width (inch)(mm)/tire size: 7Jx16/245/70 R16 107 H multi point fuel injection, Motronic Fuel system: Turning clearance circle/turning circle (m): 12.12/11.48 Fuel pump: electric, in tank Steer, wheel turns lock/lock: 3.64 Emission control system: 3-way cat. conv. with oxygen sensor Steering, ratio: power steering, 21.1 Output (kW/hp CEE at 1/min): 151/205 at 5400 Steering wheel outside diameter (mm): 382 Specific power (kW/l; hp/l): 47.7:64.8 Kerb weight/max, allowable weight/additional load (kg) : 1861/2450/664 Max. torque (Nm at 1/min): 290 at 3000 Power to weight ratio (kg/kW; kg/hp)(empty): 12.3: 9.1 Specific torque (Nm/liter): 91.6 Max. axle load front/rear (kg): 1250/1450 Mean effective pressure at 2800/750 Trailer load braked/unbraked (kg): max. power/max. torque (kPa): 1060.2/11575 Trailer hook weight/roof load (kg): 112/100 Average piston speed (m/s): 13.9 Fuel tank capacity (I), location: 75, under luggage compartment 4.7 Engine oil, capacity (I): Cooling capacity (I): 11.1 Battery 12 V, capacity (Ah): Performance 60 Alternator 13.5 V, capacity (W): 1012.5 Top speed (km/h): 184 Acceleration 0-100 km/h (sec)*: 10.7 Transmission 17.4/32.3 Acceleration 0-400/0-1000 m (sec): Acc. 80-120 km/h in 5th gear (sec)*: 16.8 Drive axle: rear wheel drive. 4 wheel drive Pass-by noise (dBA): 75 Transmission, type: manual Fuel: unleaded premium 90 RON or more 1st ratio: 3.77 2nd ratio: 2.25 3rd ratio: 1.40 Gear ratios: Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. 4th ratio: 1.00 5th ratio: 0.81 reduction: 2.05 Additional equipment can lead to increased reverse ratio : 3.87 final drive ratio : 4.30 consumption and CO₂ values. Clutch. type: drv single plate urban: 18.0 Differential front, type: standard extra-urban: 10.5 Differential rear, type: standard (hypoid optional) total: 13.2 Four-wheel drive control, type: manual Possible operation (4WD): up to 100 km/h "Shift on the Fly" CO₂ emission (g/km): 316 Emission class Euro 3 Distribution in (4WD), front/rear (%): 50/50 Maintenance Bodv Service intervals: inspection: annually or every 15.000 km Seats: 5 Chassis * Basic model Wheel suspension front: independent, double wishbone, torsion bar spring(s). * Kerb weight (70156 EEC) and 125 kg payload twin tube gas pressure shock absorbers rigid axle, 4 longitudinal arms, Panhard rod, Wheel suspension rear: twin tube gas pressure shock absorbers Anti roll bar: front + rear

Frontera Limited 3.2 V6 Y32NE 151kW/205hp 4-speed autom, recreational vehicle 5 doors

twin tube gas pressure shock absorbers

front + rear

Model year:

Engine data

Engine, location:

Cooling system:

Bore (mm):

Stroke (mm):

Engine, type:

Valve train:

Fuel system:

Fuel pump:

Cylinders, number:

Displacement (cc):

Compression ratio:

Valve, arrangement:

Cooling capacity (I):

Transmission

Transmission, type:

Drive axle:

Gear ratios:

Clutch. type:

Bodv

Seats:

Chassis

Anti roll bar:

Valve adjustment:

Date:

20011/2 Brakes 27.02.01 Brake circuits: 2. front axle - rear axle Brakes front, diameter (mm): ventilated disc. 280 Brakes rear, diameter (mm): ventilated disc. 313 front, longitudinal on axle, ° 30' backward inclined ABS. standard equipment with liquid, sealed circuit 6 Weights and dimensions 93.4 Length (mm): 4658 77 1787 Width (mm): 3165 Height (mm): 1740 9.4:1 Wheelbase (mm): 2702 v 75: 4 main bearings Overhang front/rear: 3223° Cylinder block/head. material: aluminum/aluminum Track front/rear (mm): 1515/1520 Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt Loadspace length/ -width max./min. (mm): 1757/1443/1380 direct, mechanical tappets Luggage capacity (I) ECIE: 389-1790 v; 4 per cylinder Opening luggage compartment to ground (mm): 710 automatic - hvdraulic Rim width (inch)(mm)/tire size: 7Jx16/245/70 R16 107 H multi point fuel injection, Motronic Turning clearance circle/turning circle (m): 12.12/11.48 electric, in tank Steer, wheel turns lock/lock: 3.64 Emission control system: 3-way cat. conv. with oxygen sensor Steering, ratio: power steering, 21.1 Output (kW/hp CEE at 1/min): 151/205 at 5400 Steering wheel outside diameter (mm): 382 Specific power (kW/l; hp/l): 47.7:64.8 Kerb weight/max, allowable weight/additional load (kg) : 1877/2450/648 Max. torque (Nm at 1/min): 290 at 3000 Power to weight ratio (kg/kW; kg/hp)(empty): 12.4: 9.2 Specific torque (Nm/liter): 91.6 Max. axle load front/rear (kg): 1250/1450 Mean effective pressure at 2800/750 Trailer load braked/unbraked (kg): max. power/max. torque (kPa): 1060.2/111.75 Trailer hook weight/roof load (kg): 112/100 Average piston speed (m/s): 13.9 Fuel tank capacity (I), location: 75, under luggage compartment 4.7 Engine oil, capacity (I): 11 Battery 12 V, capacity (Ah): 60 Performance Alternator 13.5 V, capacity (W): 1012.5 Top speed (km/h): 187 Acceleration 0-100 km/h (sec)*: 10.6 Acceleration 0-400/0-1000 m (sec): 17.5/32.6 Pass-by noise (dBA): 76 part-time 4wd. 4 wheel drive Fuel: unleaded premium 90 RON or more automatic with oil cooler Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. 1st ratio : 2.86 2nd ratio : 1.62 3rd ratio : 1.00 Additional equipment can lead to increased 4th ratio : 0.72 reduction : 2.051 consumption and CO₂ values. reverse ratio : 2.00 final drive ratio : 4.10 urban: 19.8 torque converter extra-urban: 11.2 Differential front, type: standard total: 14.3 Differential rear, type: standard (hypoid optional) CO₂ emission (g/km): 344 Four-wheel drive control, type: manual Possible operation (4WD): Emission class: Furo 3 up to 100 km/h "Shift on the Fly" Distribution in (4WD), front/rear (%): 50/50 Maintenance Service intervals: inspection: annually or every 15.000 km 5 * Basic model * Kerb weight (70156 EEC) and 125 kg payload Wheel suspension front: independent, double wishbone, torsion bar spring(s). twin tube gas pressure shock absorbers rigid axle, 4 longitudinal arms, Panhard rod, Wheel suspension rear:

Combo 1.7 D X17D 44kW/60hp 5-speed purpose-built van 3 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4230
Engine data		Width (mm):	1686
5		Height (mm):	1840
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Wheelbase (mm):	2480
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1387/1427
Cylinders, number:	4	Luggage capacity (I) ECIE:	1300-2720
Bore (mm):	79	Opening luggage compartment to ground (mm):	558
Stroke (mm):	86	Rim width (inch)(mm)/tire size:	5.5Jx14/175/65 R 14 T
Displacement (cc):	1686	Turning clearance circle/turning circle (m):	10.7/10
Compression ratio:	22:1	Steer. wheel turns lock/lock:	4.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	electrhydr. power steering, 22.6
Cylinder block/head, material:	cast iron/alumnium alloy	Steering wheel outside diameter (mm):	370
Camshaft(s), location:	1 overhead (OHC), driven by toothed belt	Kerb weight/max. allowable weight/additional load (
Valve train:	direct, bucket tappets	Power to weight ratio (kg/kW; kg/hp)(empty):	27.9; 20.4
Valve, arrangement:	parallel; 2 per cylinder	Max. axle load front/rear (kg):	800/1060
Valve adjustment:	manual	Trailer load braked/unbraked (kg):	700/450
Fuel system:	diesel indirect injection	Trailer hook weight/roof load (kg):	50/100
Fuel pump:	distributor injection pump	Fuel tank capacity (I), location:	50, under luggage compartment
Emission control system:	2-way cat. conv., exhaust gas recirculation		
Output (kW/hp CEE at 1/min):	44/60 at 4400	Performance	
Specific power (kW/l; hp/l):	26.1; 35.6	Top speed (km/h):	143
Max. torque (Nm at 1/min):	112 at 2650	Acceleration 0-100 km/h (sec)*:	19.5
Specific torque (Nm/liter):	66.4	Acceleration 0-400/0-1000 m (sec):	21.5/39.5
Mean effective pressure at	744 7/202 0	Acc. 80-120 km/h in 5th gear (sec)*:	31.5
max. power/max. torque (kPa):	711.7/835.2	Pass-by noise (dBA):	74
Average piston speed (m/s):	12.6	Fuel:	diesel
Engine oil, capacity (I):	4.6	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Cooling capacity (I):	6		Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	60		consumption and CO_2 values.
Alternator 14.2 V, capacity (W):	980		urban: 7.7
			extra-urban: 5.4
Transmission			total: 6.2
Drive axle:	front wheel drive	CO ₂ emission (g/km):	164
Transmission, type:	manual	Emission class:	Euro 2
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31		20.02
	4th ratio: 0.95 5th ratio: 0.71	Maintonanaa	
	reverse ratio: 3.31 final drive ratio: 3.94	Maintenance	
Clutch, type:	dry single plate	Service intervals:	inspection: annually or every 15.000 km,
			inspection every 30,000 km
Body			
5	2		
Seats:	2	⁺ Basic model	
Drag coefficient (c_{D}) :	0.34*	* Kerb weight (70156 EEC) and 125 kg payload	
Frontal area (A in m ²):	2.61		
Index (c _w xA):	0.89*		
Ohaaaia			
Chassis			
Wheel suspension front:	independent, wishbone, McPherson struts,		
	gas-filled shock absorbers		
Wheel suspension rear:	rigid axle, leaf spring(s), gas-filled shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, diagonal		
	disc. 236		
Brakes front, diameter (mm):	,		
Brakes front, diameter (mm): Brakes rear, diameter (mm): ABS:	drums, load-dependent brake-force regulator, 230 option		

Campo 4 x 2 2.5 DI 4JA1T 56kW/76hp 5-speed pick up 2 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4980
		Width (mm):	1690
Engine data		Height (mm):	1595
Engine, location:	front, longitudinal on axle	Wheelbase (mm):	3025
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1425/1400
Bore (mm):	93	Loadspace length/ -width max./min. (mm):	2300/1530/1065
Stroke (mm):	92		665
Displacement (cc):	2499	Opening luggage compartment to ground (mm): Rim width (inch)(mm)/tire size:	5.5JJx14 ET 20 / 195 R 14 C8 PRP
Compression ratio:	18.5:1	Turning clearance circle/turning circle (m):	12.2/11.9
Engine, type:	in line; 5 main bearings	Steer. wheel turns lock/lock:	3.6
Cylinder block/head, material:	cast iron/cast iron	Steering, ratio:	power steering, 15.2; 23.5
Camshaft(s), location:	1 in block, driven by toothed belt		398
Valve train:	indirect, rocker arm	Steering wheel outside diameter (mm):	
Valve, arrangement:	parallel; 2 per cylinder	Kerb weight/max. allowable weight/additional load (kg	26.9; 19.8
Valve adjustment:	manual	Power to weight ratio (kg/kW; kg/hp)(empty):	26.9, 19.8 1100/1730
Fuel system:	diesel direct injection	Max. axle load front/rear (kg):	
Fuel pump:	mechanical	Trailer load braked/unbraked (kg):	1450/750
Emission control system:	oxidizing catalytic converter	Trailer load braked/unbraked (kg):	1800/750
,	turbocharger, water cooled with air/air intercooler	Trailer hook weight (kg):	110
Charger system:	56/76 at 3800	Fuel tank capacity (I), location:	75, under luggage compartment
Output (kW/hp CEE at 1/min):			
Specific power (kW/l; hp/l):	22.4; 30.4	Performance	
Max. torque (Nm at 1/min): Specific torque (Nm/liter):	160 at 2100	Top speed (km/h):	125
	64.0	Acceleration 0-400 m (s):	23.7
Mean effective pressure at	707 7/004 0	Pass-by noise (dBA):	74
max. power/max. torque (kPa):	707.7/804.9	Fuel:	diesel
Average piston speed (m/s):	11.7	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Engine oil, capacity (I):	4.5		Additional equipment can lead to increased
Cooling capacity (I):	7		consumption and CO_2 values.
Battery 12 V, capacity (Ah):	80		urban: 10.3
Alternator 14 V, capacity (W):	700		extra-urban: 6.9
			total: 8.2
Transmission		CO ₂ emission (g/km):	214
Drive axle:	rear wheel drive	Emission class:	96/69/EG III
Transmission, type:	manual	ETTISSION CIASS.	90/09/EG III
Gear ratios:	1st ratio: 4.12 2nd ratio: 2.49 3rd ratio: 1.50		
Geal Tallos.	4th ratio: 1.00 5th ratio: 0.86	Maintenance	
	reverse ratio: 3.72 final drive ratio: 4.1	Service intervals:	service check: annually or every 15.000 km,
Clutch type:			inspection every 30.000 km, oil change every 7500 km
Clutch, type:	dry single plate		
Dody			
Body		* Basic model	
Seats:	2	* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, double wishbone, torsion bar spring(s),		
140	hydraulic shock absorbers		
Wheel suspension rear:	rigid axle, leaf spring(s), hydraulic shock absorbers		
Anti roll bar:	front		
Dealers			
Brakes			
Brake circuits:	2, front axle - rear axle		
Brakes front, diameter (mm):	ventilated disc, 257		

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Brakes front, diameter (mm): Brakes rear, diameter (mm): 2, front axle - rear axle ventilated disc, 257 drum, autom. adjustment, 254

Campo 4 x 2 2.5 DI 4JA1T 56kW/76hp 5-speed pick up (sports cab) 2 doors

	onp o speed plok up (sports ous) z doors		-
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4980
		Width (mm):	1690
Engine data		Height (mm):	1605
Engine, location:	front, longitudinal on axle	Wheelbase (mm):	3025
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1425/1400
Bore (mm):	93	Loadspace length/ -width max./min. (mm):	1850/1530/1065
Stroke (mm):	92	Opening luggage compartment to ground (mm):	665
Displacement (cc):	2499	Rim width (inch)(mm)/tire size:	5.5JJx14 ET 20 / 195 R 14 C8 PRP
Compression ratio: Engine, type:	18.5:1 in line; 5 main bearings	Turning clearance circle/turning circle (m):	12.2/11.9
Cylinder block/head, material:	cast iron/cast iron	Steer. wheel turns lock/lock: Steering, ratio:	3.6
Camshaft(s), location:	1 in block, driven by toothed belt	Steering, ratio. Steering wheel outside diameter (mm):	power steering, 15.2; 23.5 398
Valve train:	indirect, rocker arm	Kerb weight/max. allowable weight/additional load (kg	
Valve, arrangement:	parallel; 2 per cylinder	Power to weight ratio (kg/kW; kg/hp)(empty):	27.3; 20.1
Valve adjustment:	manual	Max. axle load front/rear (kg):	1100/1730
Fuel system:	diesel direct injection	Trailer load braked/unbraked (kg):	1450/750
Fuel pump:	mechanical	Trailer load braked/unbraked (kg):	1800/750
Emission control system:	oxidizing catalytic converter	Trailer hook weight (kg):	110
Charger system:	turbocharger, water cooled with air/air intercooler	Fuel tank capacity (I), location:	75, under luggage compartment
Output (kW/hp CEE at 1/min):	56/76 at 3800	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Specific power (kW/l; hp/l):	22.4; 30.4	Performance	
Max. torque (Nm at 1/min):	160 at 2100		405
Specific torque (Nm/liter):	64.0	Top speed (km/h):	125
Mean effective pressure at		Acceleration 0-400 m (s):	23.7
max. power/max. torque (kPa):	707.7/804.9	Pass-by noise (dBA): Fuel:	74 diesel
Average piston speed (m/s):	11.7		
Engine oil, capacity (I):	4.5	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased
Cooling capacity (I):	7		consumption and CO_2 values.
Battery 12 V, capacity (Ah):	80		urban: 10.3
Alternator 14 V, capacity (W):	700		extra-urban: 6.9
- : :			total: 8.2
Transmission		CO_2 emission (g/km):	214
Drive axle:	rear wheel drive	Emission class:	96/69/EG III
Transmission, type:	manual		
Gear ratios:	1st ratio: 4.12 2nd ratio: 2.49 3rd ratio: 1.50	Maintenance	
	4th ratio: 1.00 5th ratio: 0.86		convice sheets enoughs as even 45,000 km
	reverse ratio: 3.72 final drive ratio: 4.1	Service intervals:	service check: annually or every 15.000 km,
Clutch, type:	dry single plate		inspection every 30.000 km, oil change every 7500 km
Dath			
Body		* Basic model	
Seats:	2 + 2	* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, double wishbone, torsion bar spring(s),		
	hydraulic shock absorbers		
Wheel suspension rear:	rigid axle, leaf spring(s), hydraulic shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, front axle - rear axle		
Brakes front, diameter (mm):	ventilated disc, 257		
Brakes rear, diameter (mm):	drum, autom. adjustment, 254		
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Campo 4 x 2 2.5 DI 4JA1T 56kW/76hp 5-speed pick up (crew cab) 4 doors

	onp o opoca pick up (cich cab) i acoio		
Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4980
Engine dete		Width (mm):	1690
Engine data		Height (mm):	1610
Engine, location:	front, longitudinal on axle	Wheelbase (mm):	3025
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1425/1400
Bore (mm):	93	Loadspace length/ -width max./min. (mm):	1510/1530/1065
Stroke (mm):	92	Opening luggage compartment to ground (mm):	665
Displacement (cc):	2499	Rim width (inch)(mm)/tire size:	5.5JJx14 ET 20 / 195 R 14 C8 PRP
Compression ratio:	18.5:1	Turning clearance circle/turning circle (m):	12.2/11.9
Engine, type:	in line; 5 main bearings	Steer. wheel turns lock/lock:	3.6
Cylinder block/head, material:	cast iron/cast iron	Steering, ratio:	power steering, 15.2; 23.5
Camshaft(s), location:	1 in block, driven by toothed belt	Steering wheel outside diameter (mm):	398
Valve train:	indirect, rocker arm	Kerb weight/max. allowable weight/additional load (kg): 1565/2550/985
Valve, arrangement:	parallel; 2 per cylinder	Power to weight ratio (kg/kW; kg/hp)(empty):	27.9; 20.6
Valve adjustment:	manual	Max. axle load front/rear (kg):	1100/1730
Fuel system:	diesel direct injection	Trailer load braked/unbraked (kg):	1450/750
Fuel pump:	mechanical	Trailer load braked/unbraked (kg):	1800/750
Emission control system:	oxidizing catalytic converter	Trailer hook weight (kg):	110
Charger system:	turbocharger, water cooled with air/air intercooler	Fuel tank capacity (I), location:	63, under luggage compartment
Output (kW/hp CEE at 1/min):	56/76 at 3800		
Specific power (kW/l; hp/l):	22.4; 30.4	Performance	
Max. torque (Nm at 1/min):	160 at 2100		405
Specific torque (Nm/liter):	64.0	Top speed (km/h):	125
Mean effective pressure at		Acceleration 0-400 m (s):	23.7
max. power/max. torque (kPa):	707.7/804.9	Pass-by noise (dBA):	74
Average piston speed (m/s):	11.7	Fuel:	diesel
Engine oil, capacity (I):	4.5	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Cooling capacity (I):	7		Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	80		consumption and CO ₂ values.
Alternator 14 V, capacity (W):	700		urban: 10.3
			extra-urban: 6.9
Transmission			total: 8.2
Drive axle:	reer wheel drive	CO ₂ emission (g/km):	214
	rear wheel drive	Emission class:	96/69/EG III
Transmission, type:	manual		
Gear ratios:	1st ratio: 4.12 2nd ratio: 2.49 3rd ratio: 1.50 4th ratio: 1.00 5th ratio: 0.86	Maintenance	
		Service intervals:	service check: annually or every 15.000 km,
	reverse ratio: 3.72 final drive ratio: 4.1		inspection every 30.000 km, oil change every 7500 km
Clutch, type:	dry single plate		
Dedu			
Body		* Basic model	
Seats:	5	* Kerb weight (70156 EEC) and 125 kg payload	
Chassis			
Wheel suspension front:	independent, double wishbone, torsion bar spring(s),		
wheel suspension none.	hydraulic shock absorbers		
Wheel suspension rear:	rigid axle, leaf spring(s), hydraulic shock absorbers		
Anti roll bar:	front		
	non		
Brakes			
Brake circuits:	2, front axle - rear axle		
Brakes front, diameter (mm):	ventilated disc, 257		
Brakes rear, diameter (mm):	drum, autom. adjustment, 254		

Campo 4 x 4 2.5 DI 4JA1T 56kW/76hp 5-speed pick up (sports cab) 2 doors

Model year: Date:	2001 ½ 27.02.01	Weights and dimensions	
Date:	27.02.01	Length (mm):	4980
Engine dete		Width (mm):	1690
Engine data		Height (mm):	1705
Engine, location:	front, longitudinal on axle	Wheelbase (mm):	3025
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1390/1400
Bore (mm):	93	Loadspace length/ -width max./min. (mm):	1850/1530/1065
Stroke (mm):	92	Opening luggage compartment to ground (mm):	745
Displacement (cc):	2499	Rim width (inch)(mm)/tire size:	6Jx16 ET 30/205 R 16 104 Q
Compression ratio:	18.5:1	Turning clearance circle/turning circle (m):	12.5/12.1
Engine, type:	in line; 5 main bearings	Steer. wheel turns lock/lock:	3.6
Cylinder block/head, material:	cast iron/cast iron	Steering, ratio:	recirculating ball with power steering, 15.2
Camshaft(s), location:	1 in block, driven by toothed belt	Steering wheel outside diameter (mm):	398
Valve train:	indirect, rocker arm	Kerb weight/max. allowable weight/additional load (
Valve, arrangement:	parallel; 2 per cylinder	Power to weight ratio (kg/kW; kg/hp)(empty):	30.8; 22.7
Valve adjustment:	manual	Max. axle load front/rear (kg):	1200/1730
Fuel system:	diesel direct injection	Trailer load braked/unbraked (kg):	1450/750
Fuel pump:	mechanical	Trailer load braked/unbraked (kg):	2000/750
Emission control system:	oxidizing catalytic converter turbocharger, water cooled with air/air intercooler	Trailer hook weight (kg):	110
Charger system: Output (kW/hp CEE at 1/min):	56/76 at 3800	Fuel tank capacity (I), location:	75, under luggage compartment
Specific power (kW/l; hp/l):	22.4; 30.4	_ /	
Max. torque (Nm at 1/min):	160 at 2100	Performance	
Specific torque (Nm/liter):	64.0	Top speed (km/h):	125
Mean effective pressure at	04.0	Acceleration 0-400 m (s):	24.2
max. power/max. torque (kPa):	707.7/804.9	Pass-by noise (dBA):	74
Average piston speed (m/s):	11.7	Fuel:	diesel
Engine oil, capacity (I):	4.5	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Cooling capacity (I):	7		Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	80		consumption and CO ₂ values.
Alternator 14 V, capacity (W):	700		urban: 10.0
			extra-urban: 7.2
Transmission			total: 8.2
		CO ₂ emission (g/km):	216
Drive axle:	part-time 4wd, rear wheel drive permanent	Emission class:	96/69/EG III
Transmission, type:	manual		
Gear ratios:	1st ratio: 3.79 2nd ratio: 2.17 3rd ratio: 1.41	Maintenance	
	4th ratio: 1.00 5th ratio: 0.86 reduction: 1.87	Service intervals:	service check: annually or every 15.000 km,
	reverse ratio: 3.72 final drive ratio: 4.56		inspection every 30.000 km, oil change every 7500 km
Clutch, type:	dry single plate		
Differential front, type:	standard standard (hypoid)		
Differential rear, type:	standard (hypoid)	* Basic model	
Dedu		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	2 + 2		
Chassis			
Wheel suspension front:	independent, double wishbone, torsion bar spring(s),		
	hydraulic shock absorbers		
Wheel suspension rear:	rigid axle, leaf spring(s), hydraulic shock absorbers		
Anti roll bar:	front		
Brakes			
	O front oxide rear oxide		
Brake circuits:	2, front axle - rear axle		
Brake circuits: Brakes front, diameter (mm):	ventilated disc, 257		
Brake circuits:			
Brake circuits: Brakes front, diameter (mm):	ventilated disc, 257		

Campo 4 x 4 2.5 DI 4JA1T 56kW/76hp 5-speed pick up (crew cab) 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4980
Engine data		Width (mm):	1690
		Height (mm):	1710
Engine, location:	front, longitudinal on axle	Wheelbase (mm):	3025
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1390/1400
Bore (mm):	93	Loadspace length/ -width max./min. (mm):	1510/1530/1065
Stroke (mm):	92 2499	Opening luggage compartment to ground (mm):	745
Displacement (cc): Compression ratio:	18.5:1	Rim width (inch)(mm)/tire size:	6Jx16 ET 30/205 R 16 104 Q
Engine, type:	in line; 5 main bearings	Turning clearance circle/turning circle (m):	12.5/12.1
Cylinder block/head, material:	cast iron/cast iron	Steer. wheel turns lock/lock: Steering, ratio:	3.6 recirculating ball with power steering, 15.2
Camshaft(s), location:	1 in block, driven by toothed belt	Steering wheel outside diameter (mm):	398
Valve train:	indirect, rocker arm	Kerb weight/max. allowable weight/additional load (
Valve, arrangement:	parallel; 2 per cylinder	Power to weight ratio (kg/kW; kg/hp)(empty):	31.4; 23.2
Valve adjustment:	manual	Max. axle load front/rear (kg):	1200/1730
Fuel system:	diesel direct injection	Trailer load braked/unbraked (kg):	1450/750
Fuel pump:	mechanical	Trailer load braked/unbraked (kg):	2000/750
Emission control system:	oxidizing catalytic converter	Trailer hook weight (kg):	110
Charger system:	turbocharger, water cooled with air/air intercooler	Fuel tank capacity (I), location:	63, under luggage compartment
Output (kW/hp CEE at 1/min):	56/76 at 3800		
Specific power (kW/l; hp/l):	22.4; 30.4	Performance	
Max. torque (Nm at 1/min):	160 at 2100	Top speed (km/h):	125
Specific torque (Nm/liter):	64.0	Acceleration 0-400 m (s):	24.2
Mean effective pressure at	707.7/804.9	Pass-by noise (dBA):	74
max. power/max. torque (kPa): Average piston speed (m/s):	11.7	Fuel:	diesel
Engine oil, capacity (I):	4.5	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Cooling capacity (I):	4.5	, , , , , , , , , , , , , , , , , , , ,	Additional equipment can lead to increased
Battery 12 V, capacity (Ah):	80		consumption and CO ₂ values.
Alternator 14 V, capacity (W):	700		urban: 10.0
· ····································			extra-urban: 7.2
Transmission			total: 8.2
		CO ₂ emission (g/km):	216
Drive axle:	part-time 4wd, rear wheel drive permanent manual	Emission class:	96/69/EG III
Transmission, type: Gear ratios:	1st ratio: 3.79 2nd ratio: 2.17 3rd ratio: 1.41		
Geal Tallos.	4th ratio: 1.00 5th ratio: 0.86 reduction: 1.87	Maintenance	
	reverse ratio: 3.72 final drive ratio: 4.56	Service intervals:	service check: annually or every 15.000 km,
Clutch, type:	dry single plate		inspection every 30.000 km, oil change every 7500 km
Differential front, type:	standard		
Differential rear, type:	standard (hypoid)		
		* Basic model	
Body		* Kerb weight (70156 EEC) and 125 kg payload	
	5		
Seats:	5		
Chassis			
Wheel suspension front:	independent, double wishbone, torsion bar spring(s),		
	hydraulic shock absorbers		
Wheel suspension rear:	rigid axle, leaf spring(s), hydraulic shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, front axle - rear axle		
Brakes front, diameter (mm):	ventilated disc, 257		
Brakes rear, diameter (mm):	drum, autom. adjustment, 254		
· · · · · ·		,	

Campo 4 x 4 3.1 TDS 4JG2T 80kW/109hp 5-speed pick up (sports cab) 2 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length (mm):	4980
Engine data		Width (mm):	1690
0		Height (mm):	1705
Engine, location:	front, longitudinal on axle	Wheelbase (mm):	3025
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1390/1400
Cylinders, number:	4	Loadspace length/ -width max./min. (mm):	1850/1530/1065
Bore (mm):	95.4	Opening luggage compartment to ground (mm):	745
Stroke (mm):	107	Rim width (inch)(mm)/tire size:	6Jx16/205 R 16 104 up to 160 km/h category Q
Displacement (cc):	3059	Turning clearance circle/turning circle (m):	12.5/12.1
Compression ratio:	20:1	Steer. wheel turns lock/lock:	4.1
Engine, type:	in line; 5 main bearings	Steering, ratio:	power steering, 15.2
Cylinder block/head, material:	cast iron/cast iron	Steering wheel outside diameter (mm):	398
Camshaft(s), location:	1 in block, driven by toothed belt	Kerb weight/max. allowable weight/additional load (kg	
Valve train:	indirect, swing rocker	Power to weight ratio (kg/kW; kg/hp)(empty):	22.3; 16.4
Valve, arrangement:	parallel; 2 per cylinder	Max. axle load front/rear (kg):	1200/1730
Valve adjustment:	manual	Trailer load braked/unbraked (kg):	2000/750
Fuel system:	diesel indirect injection	Trailer hook weight (kg):	120
Fuel pump:	mechanical	Fuel tank capacity (I), location:	75, under luggage compartment
Emission control system:	exhaust gas recirculation		. e, ander laggage compartment
Charger system:	turbocharger, water cooled with air/air intercooler	Derfermense	
Output (kW/hp CEE at 1/min):	80/109 at 3600	Performance	
Specific power (kW/l; hp/l):	26.2; 35.6	Top speed (km/h):	140
Max. torque (Nm at 1/min):	255 at 1900	Acceleration 0-400 m (s):	24.2
Specific torque (Nm/liter):	83.4	Pass-by noise (dBA):	75
Mean effective pressure at	00.4	Fuel:	diesel
max. power/max. torque (kPa):	871.7/1048.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	12.8		Additional equipment can lead to increased
Engine oil, capacity (I):	6		consumption and CO ₂ values.
Cooling capacity (I):	7		urban: 13.3
Battery 12 V, capacity (Ah):	90		extra-urban: 9.1
Alternator 13.5 V, capacity (W):	700		total: 10.6
Alternator 15.5 v, capacity (vv).	700	CO ₂ emission (g/km):	281
- · ·		Emission class:	96/69/EG III
Transmission			
Drive axle:	part-time 4wd, rear wheel drive permanent	Maintananaa	
Transmission, type:	manual	Maintenance	
Gear ratios:	1st ratio: 3.77 2nd ratio: 2.25 3rd ratio: 1.40	Service intervals:	service check: annually or every 15.000 km,
	4th ratio: 1.00 5th ratio: 0.81 reduction: 2.05		inspection every 30.000 km, oil change every 7500 kr
	reverse ratio: 3.87 final drive ratio: 4.3		
Clutch, type:	dry single plate		
		* Basic model	
Dedu		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	2 + 2		
Chassis			
Wheel suspension front:	independent, double wishbone, torsion bar spring(s),		
wheel suspension none.	hydraulic shock absorbers		
Wheel suspension rear:	rigid axle, leaf spring(s), hydraulic shock absorbers		
Anti roll bar:	front		
Brakes			
	0 front outo - roor outo		
Brake circuits:	2, front axle - rear axle		
Brakes front, diameter (mm):	ventilated disc, 257		
Brakes rear, diameter (mm):	drum, autom. adjustment, 254		

Campo 4 x 4 3.1 TDS 4JG2T 80kW/109hp 5-speed pick up (crew cab) 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length (mm):	4980
Engine data		Width (mm):	1690
•		Height (mm):	1705
Engine, location:	front, longitudinal on axle	Wheelbase (mm):	3025
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1390/1400
Cylinders, number:	4	Loadspace length/ -width max./min. (mm):	1510/1530/1065
Bore (mm):	95.4	Opening luggage compartment to ground (mm):	665
Stroke (mm):	107	Rim width (inch)(mm)/tire size:	6Jx16/205 R 16 104 up to 160 km/h category Q
Displacement (cc):	3059	Turning clearance circle/turning circle (m):	12.5/12.1
Compression ratio:	20:1	Steer. wheel turns lock/lock:	4.1
Engine, type: Cylinder block/head, material:	in line; 5 main bearings cast iron/cast iron	Steering, ratio:	power steering, 15.2
Camshaft(s), location:	1 in block, driven by toothed belt	Steering wheel outside diameter (mm):	398
Valve train:	indirect, swing rocker	Kerb weight/max. allowable weight/additional load (kg	
Valve, arrangement:	parallel; 2 per cylinder	Power to weight ratio (kg/kW; kg/hp)(empty):	22.8; 16.7
Valve adjustment:	manual	Max. axle load front/rear (kg): Trailer load braked/unbraked (kg):	1200/1730 2000/750
Fuel system:	diesel indirect injection		
Fuel pump:	mechanical	Trailer hook weight (kg):	120 63 under luggage compartment
Emission control system:	exhaust gas recirculation	Fuel tank capacity (I), location:	63, under luggage compartment
Charger system:	turbocharger, water cooled with air/air intercooler		
Output (kW/hp CEE at 1/min):	80/109 at 3600	Performance	
Specific power (kW/l; hp/l):	26.2; 35.6	Top speed (km/h):	140
Max. torque (Nm at 1/min):	255 at 1900	Acceleration 0-400 m (s):	24.2
Specific torque (Nm/liter):	83.4	Pass-by noise (dBA):	75
Mean effective pressure at	00.1	Fuel:	diesel
max. power/max. torque (kPa):	871.7/1048.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Average piston speed (m/s):	12.8		Additional equipment can lead to increased
Engine oil, capacity (I):	6		consumption and CO ₂ values.
Cooling capacity (I):	7		urban: 13.3
Battery 12 V, capacity (Ah):	90		extra-urban: 9.1
Alternator 13.5 V, capacity (W):	700		total: 10.6
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		CO ₂ emission (g/km):	281
Transmission		Emīssion class:	96/69/EG III
	and the Arrish and the all drives a surgery and		
Drive axle:	part-time 4wd, rear wheel drive permanent	Maintenance	
Transmission, type:	manual	Service intervals:	service check: annually or every 15.000 km,
Gear ratios:	1st ratio: 3.77 2nd ratio: 2.25 3rd ratio: 1.40		inspection every 30.000 km, oil change every 7500 km
	4th ratio: 1.00 5th ratio: 0.81 reduction: 2.05		
	reverse ratio: 3.87 final drive ratio: 4.3		
Clutch, type:	dry single plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body			
Seats:	5		
Chassis			
Chassis			
Wheel suspension front:	independent, double wishbone, torsion bar spring(s),		
	hydraulic shock absorbers		
Wheel suspension rear:	rigid axle, leaf spring(s), hydraulic shock absorbers		
Anti roll bar:	front		
Brakes			
Brake circuits:	2, front axle - rear axle		
Brakes front, diameter (mm):	ventilated disc, 257		
Brakes rear, diameter (mm):	drum, autom. adjustment, 254		

Movano 1.9 DTi F9Qt-770 59kW/80hp 5-speed combi 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length L1/L2/L3 (mm):	4888
		Width (mm):	1990
Engine data		Height H1/H2/H3 (mm):	2220
Engine, location:	front, transverse in front of axle	Wheelbase L1/L2/L3 (mm):	3078
Cooling system:	with liquid, sealed circuit	Overhang front/rear:	851/959
Cylinders, number:	4	Track front/rear (mm):	1740/1725
Bore (mm):	80		
Stroke (mm):	93	Cargo-area volume (m ³) ECIE:	5,2-8,0
Displacement (cc):	1871	Opening luggage compartment	500
Compression ratio:	18.3:1	to ground H1/H2/H3 (mm):	509
	in line; 5 main bearings	Cargo-area lenght L1/L2/L3 (mm) ECIE:	1145-2714
Engine, type:	cast iron/aluminum	Cargo-area width (mm):	1764
Cylinder block/head, material:		Cargo-area height H1/H2/H3 (mm):	1670
Camshaft(s), location:	1 overhead (OHC), driven by toothed belt	Sliding-door aperture, height/width (mm)	1555/1099
Valve train:	bucket tappets	Rear door aperture, Height/Width (mm)	1632/1516
Valve, arrangement:	parallel; 2 per cylinder	Rim width (inch)(mm)/tire size:	6Jx16/195/65 R16
Valve adjustment:	automatic - hydraulic	Turning clearance circle/turning circle L1/L2/L3 (m):	12.38/11.85
Fuel system:	diesel direct injection	Steer. wheel turns lock/lock:	3.57
Fuel pump:	injection pump, VP 37	Steering, ratio:	rack, power-assisted
Emission control system:	oxidizing catalytic converter, exhaust gas	Steering wheel outside diameter (mm):	420
	recirculation	Kerb weight/max. allowable weight/additional load (k	g): 1890/2800/910
Charger system:	turbo with intercooler	Power to weight ratio (kg/kW; kg/hp)(empty):	32.0; 23.6
Output (kW/hp CEE at 1/min):	59/80 at 3500	Max. axle load front/rear (kg):	1550/1600
Specific power (kW/l; hp/l):	31.5; 42.8	Trailer load braked/unbraked (kg):	1900/750
Max. torque (Nm at 1/min):	170 at 2000	Trailer hook weight/roof load (kg):	80/300
Specific torque (Nm/liter):	90.9	Fuel tank capacity (I), location:	100, -
Mean effective pressure at			100,
max. power/max. torque (kPa):	1081.2/1142.3	Performance	
Average piston speed (m/s):	10.9		
Engine oil, capacity (I):	5.5	Top speed (km/h):	129
Cooling capacity (I):	9.5	Acceleration 0-100 km/h (sec)*:	23.8
Battery 12 V, capacity (Ah):	85	Acc. 80-120 km/h in 5th gear (sec)*:	28
Alternator 14.55 V, capacity (W):	1750	Fuel:	diesel
	1100	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Transmission			Additional equipment can lead to increased
Transmission			consumption and CO ₂ values.
Drive axle:	front wheel drive		urban: 10.2
Transmission, type:	manual		extra-urban: 7.5
Gear ratios:	1st ratio: 4.64 2nd ratio: 2.47 3rd ratio: 1.52		total: 8.5
	4th ratio: 1.10 5th ratio: 0.87	CO ₂ emission (g/km):	228
	reverse ratio: 3.84 final drive ratio: 4.19 at 2.8t	Emission class:	Euro 2 (96/69 EEC)
Clutch, type:	dry single plate		
		Maintenance	
Pady		Maintenance	
Body		Service intervals:	inspection: after 24 months or every 20,000 km
Seats:	3/6/9		
Frontal area (A in m ²):	4.4		
		* Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
		5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
Wheel suspension front:	independent, double wishbone, coil springs,		
	telescopic shock absorbers		
Wheel suspension rear:	rigid axle, leaf spring(s), telescopic shock absorbers		
Anti roll bar:	rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 305		
Brakes rear, diameter (mm):	ventilated disc, 305		
ABS:	option		
	spiton	I.	

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Movano 1.9 DTi F9Qt-770 59kW/80hp 5-speed panel van 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length L1/L2/L3 (mm):	4888
-		Width (mm):	1990
Engine data		Height H1/H2/H3 (mm):	2232
ingine, location:	front, transverse in front of axle	Wheelbase L1/L2/L3 (mm):	3078
Cooling system:	with liquid, sealed circuit	Overhang front/rear:	851/959
Cylinders, number:	4	Track front/rear (mm):	1740/1725
Bore (mm):	80	Cargo-area volume (m ³) ECIE:	8-13,9
Stroke (mm):	93		0-13,9
Displacement (cc):	1871	Opening luggage compartment	500
		to ground H1/H2/H3 (mm):	522
Compression ratio:	18.3:1	Cargo-area lenght L1/L2/L3 (mm):	2714
Engine, type:	in line; 5 main bearings	Cargo-area width (mm):	1764
Cylinder block/head, material:	cast iron/aluminum	Cargo-area height H1/H2/H3 (mm):	1670
Camshaft(s), location:	1 overhead (OHC), driven by toothed belt	Sliding-door aperture, height/width (mm)	1555/1099
/alve train:	bucket tappets	Rear door aperture, Height/Width (mm)	1632/1516
/alve, arrangement:	parallel; 2 per cylinder	Rim width (inch)(mm)/tire size:	6Jx16/195/65 R16
/alve adjustment:	automatic - hydraulic	Turning clearance circle/turning circle L1/L2/L3 (m):	12.38/11.85
Fuel system:	diesel direct injection	Steer. wheel turns lock/lock:	3.57
Fuel pump:	injection pump, VP 37	Steering, ratio:	rack, power-assisted
Emission control system:	oxidizing catalytic converter, exhaust gas	Steering wheel outside diameter (mm):	420
	recirculation	Kerb weight/max. allowable weight/additional load (kg	
Charger system:	turbo with intercooler		
Dutput (kW/hp CEE at 1/min):	59/80 at 3500	Power to weight ratio (kg/kW; kg/hp)(empty):	29.8; 22.0
		Max. axle load front/rear (kg):	1550/1600
Specific power (kW/l; hp/l):	31.5; 42.8	Trailer load braked/unbraked (kg):	1900/750
Max. torque (Nm at 1/min):	170 at 2000	Trailer hook weight/roof load (kg):	80/300
Specific torque (Nm/liter):	90.9	Fuel tank capacity (I), location:	100, -
Mean effective pressure at			
max. power/max. torque (kPa):	1081.2/1142.3	Performance	
Average piston speed (m/s):	10.9		
Engine oil, capacity (I):	5.5	Top speed (km/h):	129
Cooling capacity (I):	9.5	Acceleration 0-100 km/h (sec)*:	23.8
Battery 12 V, capacity (Ah):	85	Acc. 80-120 km/h in 5th gear (sec)*:	28
Alternator 14.55 V, capacity (W):	1750	Fuel:	diesel
	1750	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EL
			Additional equipment can lead to increased
Transmission			consumption and CO_2 values.
Drive axle:	front wheel drive		urban: 10.2
Transmission, type:	manual		
Gear ratios:	1st ratio: 4.64 2nd ratio: 2.47 3rd ratio: 1.52		extra-urban: 7.5
			total: 8.5
	4th ratio: 1.10 5th ratio: 0.87	CO ₂ emission (g/km):	228
	reverse ratio: 3.84 final drive ratio: 4.19 at 2.8t	Emission class:	Euro 2 (96/69 EEC)
Clutch, type:	dry single plate		
		Maintenance	
Body			
-	0/0	Service intervals:	inspection: after 24 months or every 20,000 km
Seats:	2/3		
Frontal area (A in m ²):	4.4		
		* Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
	in the second second second by a state by the second second second second second second second second second se		
Wheel suspension front:	independent, double wishbone, coil springs,		
	telescopic shock absorbers		
Wheel suspension rear:	rigid axle, leaf spring(s), telescopic shock absorbers		
Anti roll bar:	rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 305		
Brakes rear, diameter (mm):	ventilated disc, 305		
ABS:	option		

Movano 2.2 DTI G9T-720 66kW/90hp 5-speed combi 4 doors

front, 3.5t also rear

2, diagonal ventilated disc, 305

ventilated disc, 305

option

Anti roll bar:

Brakes

ABS:

Brake circuits:

Brakes front, diameter (mm): Brakes rear, diameter (mm):

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length L1/L2/L3 (mm):	4888/5388
		Width (mm):	1990
Engine data		Height H1/H2/H3 (mm):	2220/2480
Engine, location:	front, transverse in front of axle	Wheelbase L1/L2/L3 (mm):	3078/3578
Cooling system:	with liquid, sealed circuit	Overhang front/rear:	851/959
Cylinders, number:	4	Track front/rear (mm):	1740/1725
Bore (mm):	87	Luggage capacity L1-H1/L2-H2/L3-H3 (m ³) ECIE:	3,0-5,2/5,3-8,0
Stroke (mm):	92	Opening luggage compartment	3,0-3,2/3,3-0,0
Displacement (cc):	2187	to ground H1/H2/H3 (mm):	509/528
Compression ratio:	18.3:1	Cargo-area lenght L1/L2/L3 (mm) ECIE:	1145-2714/1645-3214
Engine, type:	in line; 5 main bearings	Cargo-area width (mm):	1764
Cylinder block/head, material:	cast iron/aluminum	Cargo-area height H1/H2/H3 (mm):	1670/1912
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Cargo-area width (mm):	1764
Valve train:	bucket tappets		
Valve, arrangement:	parallel; 4 per cylinder	Sliding-door aperture, height/width (mm)	1555-1800/1099
Valve adjustment:	automatic - hydraulic	Rear door aperture, Height/Width (mm)	1632-1874/1516 0 http://doi.org/1010100000000000000000000000000000000
Fuel system:	diesel direct injection, Common Rail	Rim width (inch)(mm)/tire size:	6Jx16/195/65 R16 (225/65 R 16)
Fuel pump:	Bosch CP 3	Turning clearance circle/turning circle L1/L2/L3 (m):	12.38/11.85 14.03/13.49
Emission control system:	oxidizing catalytic converter, exhaust gas	Steer. wheel turns lock/lock:	3.57
Emission control system.	recirculation	Steering, ratio:	rack, power-assisted
Charger evetere		Steering wheel outside diameter (mm):	420
Charger system:	turbo with intercooler	Kerb weight/max. allowable weight/additional load (k	
Output (kW/hp CEE at 1/min):	66/90 at 3650	Power to weight ratio (kg/kW; kg/hp)(empty):	29.3; 21.5
Specific power (kW/l; hp/l):	30.2; 41.2	Max. axle load front/rear (kg):	1550-1850/1600-2060
Max. torque (Nm at 1/min):	260 at 2000	Trailer load braked/unbraked (kg):	2000/750
Specific torque (Nm/liter):	118.9	Trailer hook weight/roof load (kg):	80/300
Mean effective pressure at		Fuel tank capacity (I), location:	100, -
max. power/max. torque (kPa):	992.2/1494.6		
Average piston speed (m/s):	11.2	Performance	
Engine oil, capacity (I):	5.7	Top speed (km/h):	130
Cooling capacity (I):	9.5	Acceleration 0-100 km/h (sec)*:	22.6
Battery 12 V, capacity (Ah):	85	Acc. 80-120 km/h in 5th gear (sec)*:	27.1
Alternator 14.55 V, capacity (W):	1100	Fuel:	diesel
Transmission		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU Additional equipment can lead to increased
Drive axle:	front wheel drive		
Transmission, type:	manual		consumption and CO ₂ values. urban: 10.8
Gear ratios:	1st ratio: 4.18 2nd ratio: 2.24 3rd ratio: 1.39		
Oeal latios.	4th ratio: 0.90 5th ratio: 0.70		extra-urban: 7.5
	reverse ratio: 3.64 final drive ratio: 4.19/4.44 at 2.8t		total: 8.7
Clutch type:		CO ₂ emission (g/km):	232
Clutch, type:	dry single plate	Emission class:	Euro 2 (96/69 EEC)
Body		Maintenance	
,	0/6/0		
Seats:	3/6/9	Service intervals:	inspection: after 24 months or every 30,000 km
Frontal area (A in m ²):	4.4-4.9		
Chassis		* Basic model	
	independent deuble wishbana, asil apringa	* Kerb weight (70156 EEC) and 125 kg payload	
Wheel suspension front:	independent, double wishbone, coil springs,		
Wheel suspension rear:	telescopic shock absorbers rigid axle, leaf spring(s), telescopic shock absorbers		
Anti roll bor:	front 2 Et aloo roor		

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Movano 2.2 DTI G9T-720 66kW/90hp 5-speed panel van 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length L1/L2/L3 (mm):	4888/5388/5888
En aliana alasta		Width (mm):	1990
Engine data		Height H1/H2/H3 (mm):	2232/2488/2720
Engine, location:	front, transverse in front of axle	Wheelbase L1/L2/L3 (mm):	3078/3578/4078
Cooling system:	with liquid, sealed circuit	Overhang front/rear:	851/959
Cylinders, number:	4	Track front/rear (mm):	1740/1725
Bore (mm):	87	Cargo-area volume (m ³) ECIE:	8-13,9
Stroke (mm):	92	Opening luggage compartment	0 10,0
Displacement (cc):	2187	to ground H1/H2/H3 (mm):	522/536/536
Compression ratio:	18.3:1	Cargo-area lenght L1/L2/L3 (mm):	2714/3214/3714
Engine, type:	in line; 5 main bearings	Cargo-area width (mm):	1764
Cylinder block/head, material:	cast iron/aluminum	Cargo-area height H1/H2/H3 (mm):	1670/1912/2147
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Sliding-door aperture, height/width (mm)	1555-1800/1099
Valve train:	bucket tappets	Rear door aperture, Height/Width (mm)	1632-1874/1516
Valve, arrangement:	parallel; 4 per cylinder	Rim width (inch)(mm)/tire size:	6Jx16/195/65 R 16 (215/65R16; 225/65R16)
Valve adjustment:	automatic - hydraulic	Turning clearance circle/turning circle L1/L2/L3 (m):	12.38/11.85 14.03/13.49 15.69/15.27
Fuel system:	diesel direct injection, Common Rail	Steer. wheel turns lock/lock:	
Fuel pump:	Bosch CP 3		3.57
Emission control system:	oxidizing catalytic converter, exhaust gas	Steering, ratio:	rack, power-assisted
Emission control system.	recirculation	Steering wheel outside diameter (mm):	420
Charger system:	turbo with intercooler	Kerb weight/max. allowable weight/additional load (kg	
		Power to weight ratio (kg/kW; kg/hp)(empty):	27.6; 20.2
Output (kW/hp CEE at 1/min):	66/90 at 3650	Max. axle load front/rear (kg):	1550-1850/1600-2060
Specific power (kW/l; hp/l):	30.2; 41.2	Trailer load braked/unbraked (kg):	2000/750
Max. torque (Nm at 1/min):	260 at 2000	Trailer hook weight/roof load (kg):	80/300
Specific torque (Nm/liter):	118.9	Fuel tank capacity (I), location:	100, -
Mean effective pressure at			
max. power/max. torque (kPa):	992.2/1494.6	Performance	
Average piston speed (m/s):	11.2		100
Engine oil, capacity (I):	5.7	Top speed (km/h):	130
Cooling capacity (I):	9.5	Acceleration 0-100 km/h (sec)*:	22.6
Battery 12 V, capacity (Ah):	85	Acc. 80-120 km/h in 5th gear (sec)*:	27.1
Alternator 14.55 V, capacity (W):	1100	Fuel:	diesel
		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU
Transmission			Additional equipment can lead to increased
	frank och and skine		consumption and CO ₂ values.
Drive axle:	front wheel drive		urban: 10.8
Transmission, type:	manual		extra-urban: 7.5
Gear ratios:	1st ratio: 4.18 2nd ratio: 2.24 3rd ratio: 1.39		total: 8.7
	4th ratio: 0.90 5th ratio: 0.70	CO ₂ emission (g/km):	232
	reverse ratio: 3.64 final drive ratio: 4.19/4.44 at 2.8t	Emission class:	Euro 2 (96/69 EEC)
Clutch, type:	dry single plate		
		Maintenance	
Body			in an action offer 04 months an average 00 000 line
	2/3	Service intervals:	inspection: after 24 months or every 30,000 km
Seats:			
Frontal area (A in m ²):	4.4-5.4		
		* Basic model	
Chassis		* Kerb weight (70156 EEC) and 125 kg payload	
Wheel suspension front:	independent, double wishbone, coil springs,		
	telescopic shock absorbers		
Wheel suspension rear:	rigid axle, leaf spring(s), telescopic shock absorbers		
Anti roll bar:	front, 3.5t also rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 305		
Brakes front, diameter (mm): Brakes rear, diameter (mm): ABS:	ventilated disc, 305 ventilated disc, 305		

Movano 2.8 DTi S9W-702 84kW/115hp 5-speed combi 4 doors

Model year:	2001 ½	Weights and dimensions	
Date:	27.02.01	Length L1/L2/L3 (mm):	4888/5388
		Width (mm):	1990
Engine data		Height H1/H2/H3 (mm):	2220/2480
Engine, location:	front, transverse in front of axle	Wheelbase L1/L2/L3 (mm):	3078/3578
Cooling system:	with liquid, sealed circuit	Overhang front/rear:	851/959
Cylinders, number:	4	Track front/rear (mm):	1740/1725
Bore (mm):	94.4	Luggage capacity L1-H1/L2-H2/L3-H3 (m ³) ECIE:	3,0-5,2/5,3-8,0
Stroke (mm):	100	Opening luggage compartment	
Displacement (cc):	2799	to ground H1/H2/H3 (mm):	509/528
Compression ratio:	19:1	Cargo-area lenght L1/L2/L3 (mm) ECIE:	1145-2714/1645-3214
Engine, type:	in line; 5 main bearings	Cargo-area width (mm):	1764
Cylinder block/head, material:	cast iron/aluminum	Cargo-area height H1/H2/H3 (mm):	1670/1912
Camshaft(s), location:	1 overhead (OHC), driven by toothed belt	Cargo-area width (mm):	1764
Valve train:	direct, rocker arm	Sliding-door aperture, height/width (mm)	1555-1800/1099
Valve, arrangement:	parallel; 2 per cylinder	Rear door aperture, Height/Width (mm)	1632-1874/1516
Fuel system:	diesel direct injection	Rim width (inch)(mm)/tire size:	6Jx16/195/65 R16 (225/65 R 16)
Fuel pump:	distributor injection pump, Bosch VP 4	Turning clearance circle/turning circle L1/L2/L3 (m):	12.38/11.85 14.03/13.49
Emission control system:	oxidizing catalytic converter, exhaust gas	Steer. wheel turns lock/lock:	3.57
	recirculation	Steering, ratio:	rack, power-assisted
Charger system:	turbo with intercooler	Steering wheel outside diameter (mm):	420
Output (kW/hp CEE at 1/min):	84/115 at 3600	Kerb weight/max. allowable weight/additional load (kg	
Specific power (kW/I; hp/I):	30.0; 41.1	Power to weight ratio (kg/kW; kg/hp)(empty):	23.4; 17.1
Max. torque (Nm at 1/min):	260 at 1800	Max. axle load front/rear (kg):	1550-1850/1600-2060
Specific torque (Nm/liter):	92.9	Trailer load braked/unbraked (kg):	2000 (2000 at 3.5t)/750
Mean effective pressure at		Trailer hook weight/roof load (kg):	80/300
max. power/max. torque (kPa):	1000.4/1167.8	Fuel tank capacity (I), location:	100, -
Average piston speed (m/s):	12		
Engine oil, capacity (I):	6.7	Performance	
Cooling capacity (I):	11.0	Top speed (km/h):	140
Battery 12 V, capacity (Ah):	85	Acceleration 0-100 km/h (sec)*:	18.2
Alternator 14.55 V, capacity (W):	1100	Fuel:	diesel
- · ·		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Transmission			Additional equipment can lead to increased
Drive axle:	front wheel drive		consumption and CO ₂ values.
Transmission, type:	manual		urban: 12.7
Gear ratios:	1st ratio: 3.91 2nd ratio: 2.21 3rd ratio: 1.29		extra-urban: 8.6
	4th ratio: 0.90 5th ratio: 0.71		total: 10.1
	reverse ratio: 3.61 final drive ratio: 4.82/4.19 at 2.8t	CO ₂ emission (g/km):	268
Clutch, type:	dry single plate	Emission class:	Euro 2 (96/69 EEC)
Body		Maintananaa	
5	2/0/0	Maintenance	
Seats:	3/6/9	Service intervals:	inspection: after 24 months or every 20,000 km
Frontal area (A in m ²):	4.4-4.9		
Chassis		* Basic model	
	independent double wighting and -11	* Kerb weight (70156 EEC) and 125 kg payload	
Wheel suspension front:	independent, double wishbone, coil springs,	······································	
Wheel suspension rear:	telescopic shock absorbers rigid axle, leaf spring(s), telescopic shock absorbers		
Anti roll bar:	front, 3.5t also rear		
	1011, 0.01 0.00 1Edi		
Brakes			
Brake circuits:	2, diagonal		
Brake circuits: Brakes front, diameter (mm):	ventilated disc, 305		
Brakes rear, diameter (mm):	disc, 305		
ABS:	option		
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Movano 2.8 DTi S9W-702 84kW/115hp 5-speed panel van 4 doors

Model year:	2001 1/2	Weights and dimensions	
Date:	27.02.01	Length L1/L2/L3 (mm):	4888/5388/5888
		Width (mm):	1990
Engine data		Height H1/H2/H3 (mm):	2232/2488/2720
Engine, location:	front, transverse in front of axle	Wheelbase L1/L2/L3 (mm):	3078/3578/4078
Cooling system:	with liquid, sealed circuit	Overhang front/rear:	851/959
Cylinders, number:	4	Track front/rear (mm):	1740/1725
Bore (mm):	94.4	Cargo-area volume (m ³) ECIE:	8-13,9
Stroke (mm):	100	Opening luggage compartment	/-
Displacement (cc):	2799	to ground H1/H2/H3 (mm):	522/536/536
Compression ratio:	19:1	Cargo-area lenght L1/L2/L3 (mm):	2714/3214/3714
Engine, type:	in line; 5 main bearings	Cargo-area width (mm):	1764
Cylinder block/head, material:	cast iron/aluminum	Cargo-area height H1/H2/H3 (mm):	1670/1912/2147
Camshaft(s), location:	1 overhead (OHC), driven by toothed belt	Sliding-door aperture, height/width (mm)	1555-1800/1099
Valve train:	direct, rocker arm	Rear door aperture, Height/Width (mm)	1632-1874/1516
Valve, arrangement:	parallel; 2 per cylinder	Rim width (inch)(mm)/tire size:	6Jx16/195/65 R 16 (215/65R16; 225/65R16)
Fuel system: Fuel pump:	diesel direct injection	Turning clearance circle/turning circle L1/L2/L3 (m):	12.38/11.85 14.03/13.49 15.69/15.27
Emission control system:	distributor injection pump, Bosch VP 4 oxidizing catalytic converter	Steer. wheel turns lock/lock:	3.57 rack
Charger system:	turbo with intercooler	Steering, ratio:	rack, power-assisted 420
Output (kW/hp CEE at 1/min):	84/115 at 3600	Steering wheel outside diameter (mm): Kerb weight/max. allowable weight/additional load (k	
Specific power (kW/l; hp/l):	30.0: 41.1	Power to weight ratio (kg/kW; kg/hp)(empty):	21.8; 16.0
Max. torgue (Nm at 1/min):	260 at 1800	Max. axle load front/rear (kg):	1550-1850/1600-2060
Specific torque (Nm/liter):	92.9	Trailer load braked/unbraked (kg):	2000 (2000 at 3.5t)/750
Mean effective pressure at		Trailer hook weight/roof load (kg):	80/300
max. power/max. torque (kPa):	1000.4/1167.8	Fuel tank capacity (I), location:	100, -
Average piston speed (m/s):	12	· · · · · · · · · · · · · · · · · · ·	,
Engine oil, capacity (I):	6.7	Performance	
Cooling capacity (I):	11		4.40
Battery 12 V, capacity (Ah):	85	Top speed (km/h):	140
Alternator 14.55 V, capacity (W):	1100	Acceleration 0-100 km/h (sec)*: Fuel:	18.2 diesel
		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Transmission			Additional equipment can lead to increased
Drive axle:	front wheel drive		consumption and CO_2 values.
Transmission, type:	manual		urban: 12.7
Gear ratios:	1st ratio: 3.91 2nd ratio: 2.21 3rd ratio: 1.29		extra-urban: 8.6
	4th ratio: 0.90 5th ratio: 0.71		total: 10.1
	reverse ratio: 3.61 final drive ratio: 4.82/4.19 at 2.8t	CO ₂ emission (g/km):	268
Clutch, type:	dry single plate	Emission class:	Euro 2 (88/77 EEC)
Body		Maintenance	
Seats:	2/3	Service intervals:	inspection: after 24 months or every 20,000 km
Frontal area (A in m ²):	4.4-5.4		
Chassis		⁺ Basic model	
Wheel suspension front:	independent, double wishbone, coil springs,	* Kerb weight (70156 EEC) and 125 kg payload	
	telescopic shock absorbers		
Wheel suspension rear:	rigid axle, leaf spring(s), telescopic shock absorbers		
Anti roll bar:	front, 3.5t also rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 305		
Brakes rear, diameter (mm):	disc, 305		
ABS:	option		