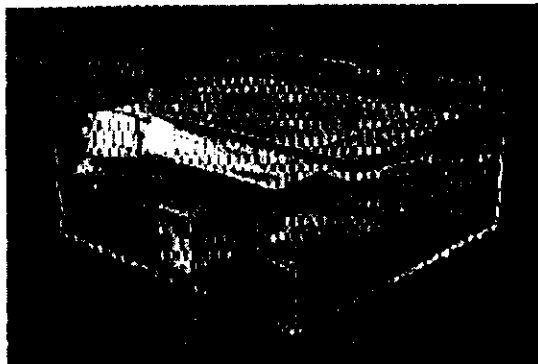


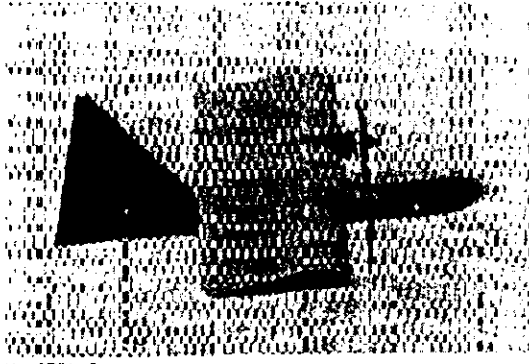


Dragon Eye

Characteristics:	
Gross Weight	4.4 lb
Payload Weight	.85 lb (incl. link)
Battery Weight	1.4 lb
Wing Span	45.0 in
Wing Chord	12.0 in
Aspect Ratio	5.75
Wing Area	3.75 sq ft
Wing Loading	1.29 lb/sq ft
Airfoil	Liebeck 2573A (mod)
Center of Gravity	16% -18% m.a.c.
Fuselage Length	35.5 in
Overall Height	10.5 in
Cruise Airspeed	35 - 40 kt
Stall Airspeed	19 kt
Unfolded Propeller Diameter	9.75 in
Max. Battery Power	300 watt
Cruise Battery Power	120 watt
Payload & Avionics Power	10 watt
Endurance (rechargeable)	15 min (NiMH)
Endurance (non-rechargeable)	60 min (LiSO2)
Deployment	Hand Launched
Recovery	Deep Stall
Flight Controls	Electrons & Throttle on 2 DC Electric Motors
Packaging:	
Nose	2.4"x 8.5"x 3"
Fuselage-Wing	15"x 15"x 5"
Tail	10.5"x 12"x 2.4"
Wing Outer Sections	15"x 12"x 1.5"

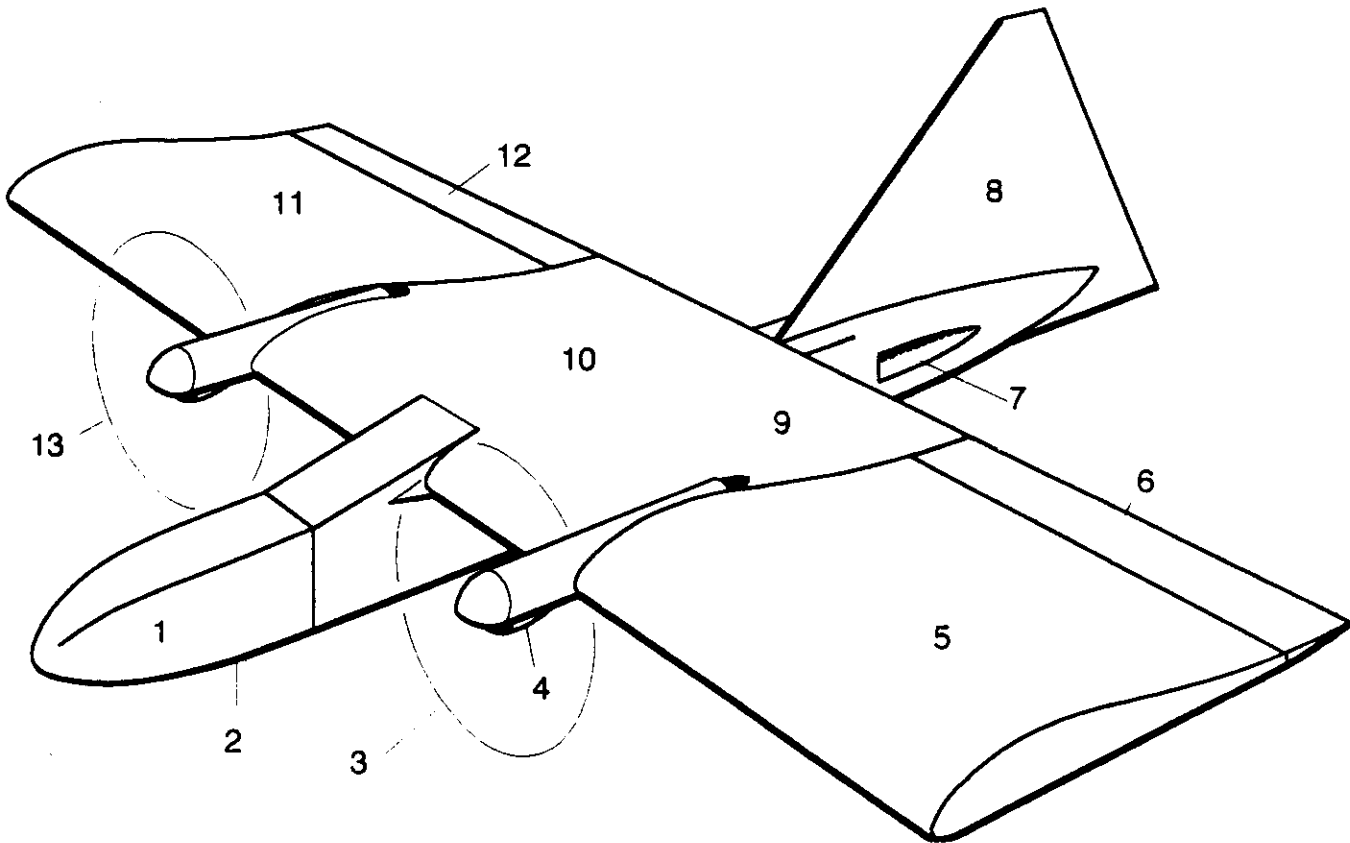


Backpack Storage (15"x 15"x 7")



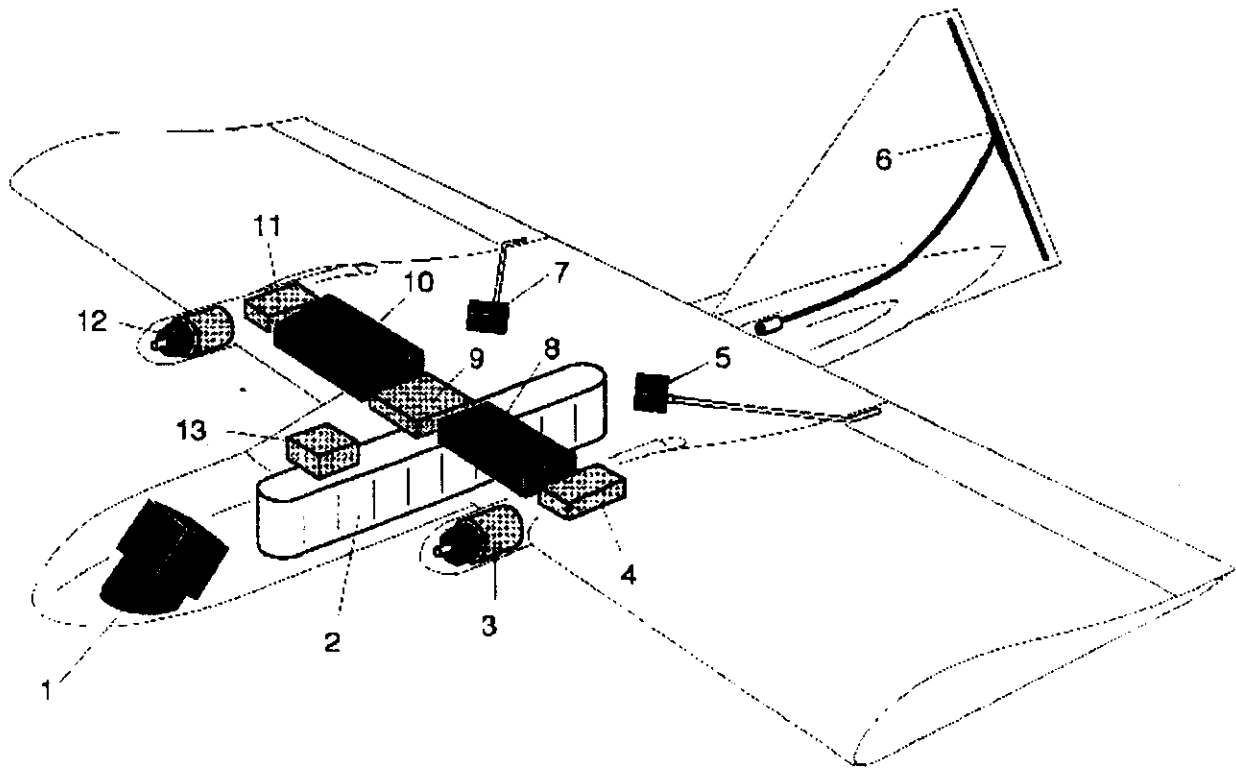
In Flight

DRAGON EYE AIRFRAME COMPONENTS



1. INTERCHANGEABLE NOSE W/ MISSION PAYLOAD
2. BATTERY COOLING AIR INLET, NOSE UNDERSIDE
3. FOLDING PROPELLER, LEFT-HAND ROTATION
4. MOTOR & CONTROLLER COOLING AIR INLET
5. LEFT OUTER WING PANEL
6. LEFT ELEVON
7. BATTERY COOLING AIR OUTLET
8. VERTICAL TAIL / FUSELAGE TAILCONE ASSEMBLY
9. COOLING AIR OUTLET
10. AIRFRAME CENTER SECTION / FUSELAGE ASSEMBLY
11. RIGHT OUTER WING PANEL
12. RIGHT ELEVON
13. FOLDING PROPELLER, RIGHT-HAND ROTATION

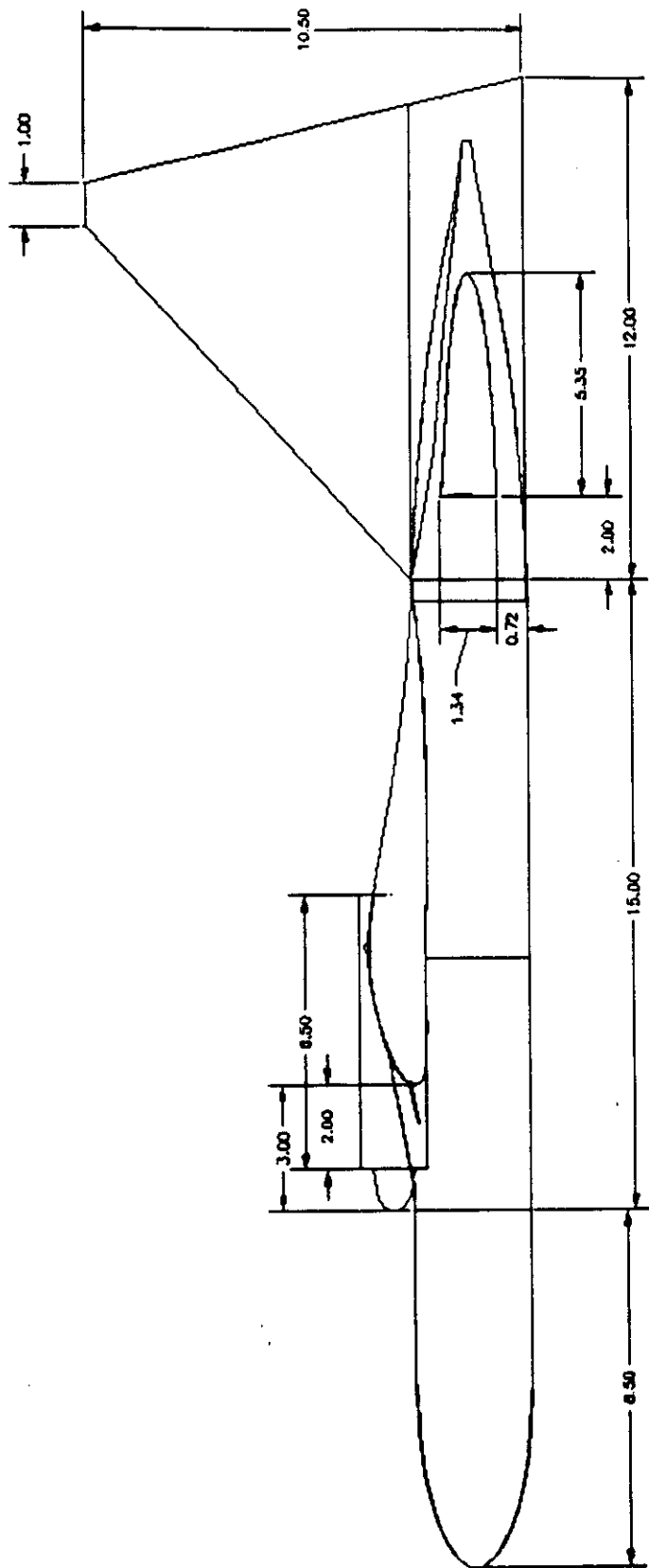
DRAGON EYE SUBSYSTEMS



1. IMAGER PAYLOAD
2. PRIME POWER BATTERY PACK
3. BRUSHLESS DC MOTOR & GEARBOX
4. SENSORLESS MOTOR CONTROLLER
5. LEFT ELEVON SERVO ACTUATOR
6. DIPOLE ANTENNA
7. RIGHT ELEVON SERVO ACTUATOR
8. COMMUNICATION LINK SYSTEM
9. DC - DC VOLTAGE CONVERTER
10. AUTOPILOT & GPS NAVIGATOR FCS
11. SENSORLESS MOTOR CONTROLLER
12. BRUSHLESS DC MOTOR & GEARBOX
13. FCS AIR DATA SENSORS

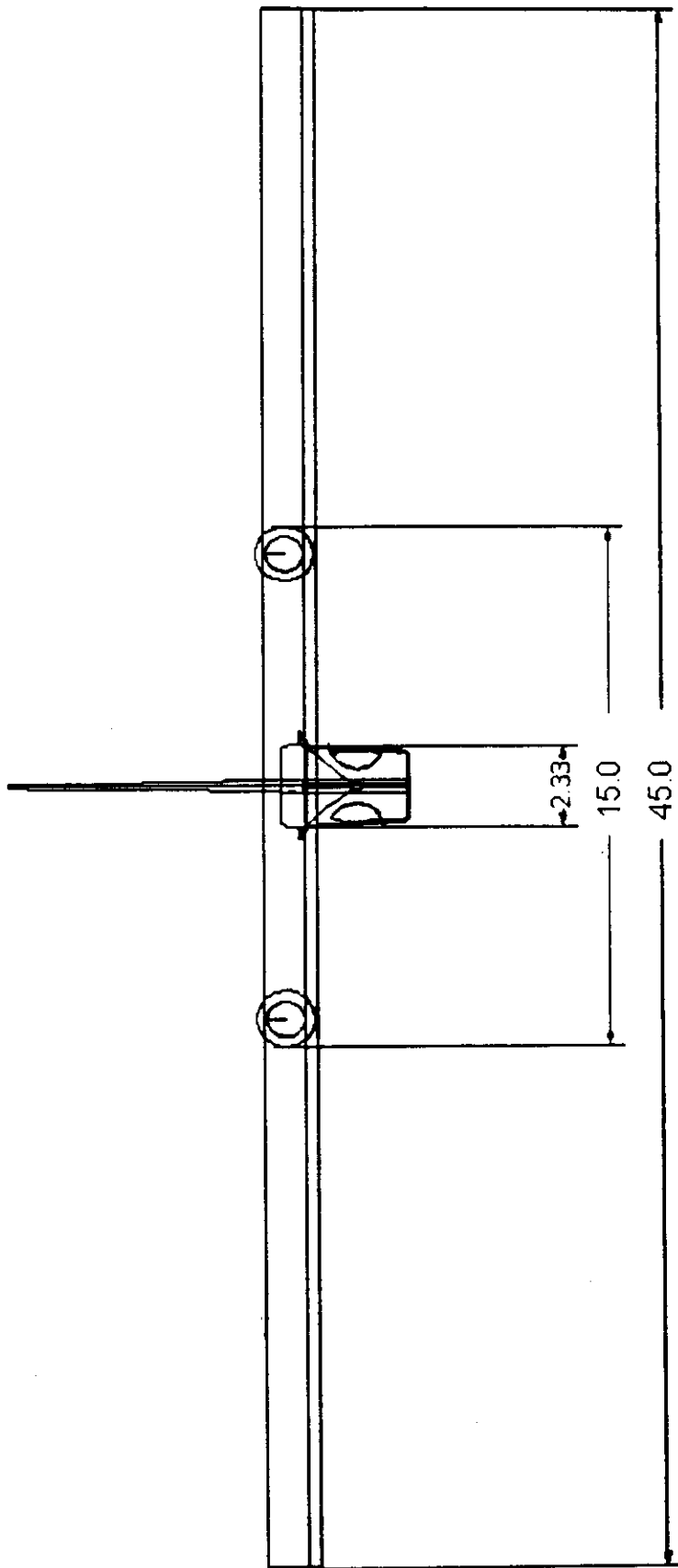


Dragon Eye

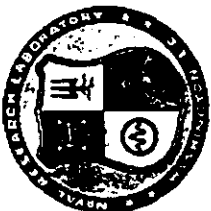


Dragon Eye Side View: Not to scale, all units in inches.

Dragon Eye

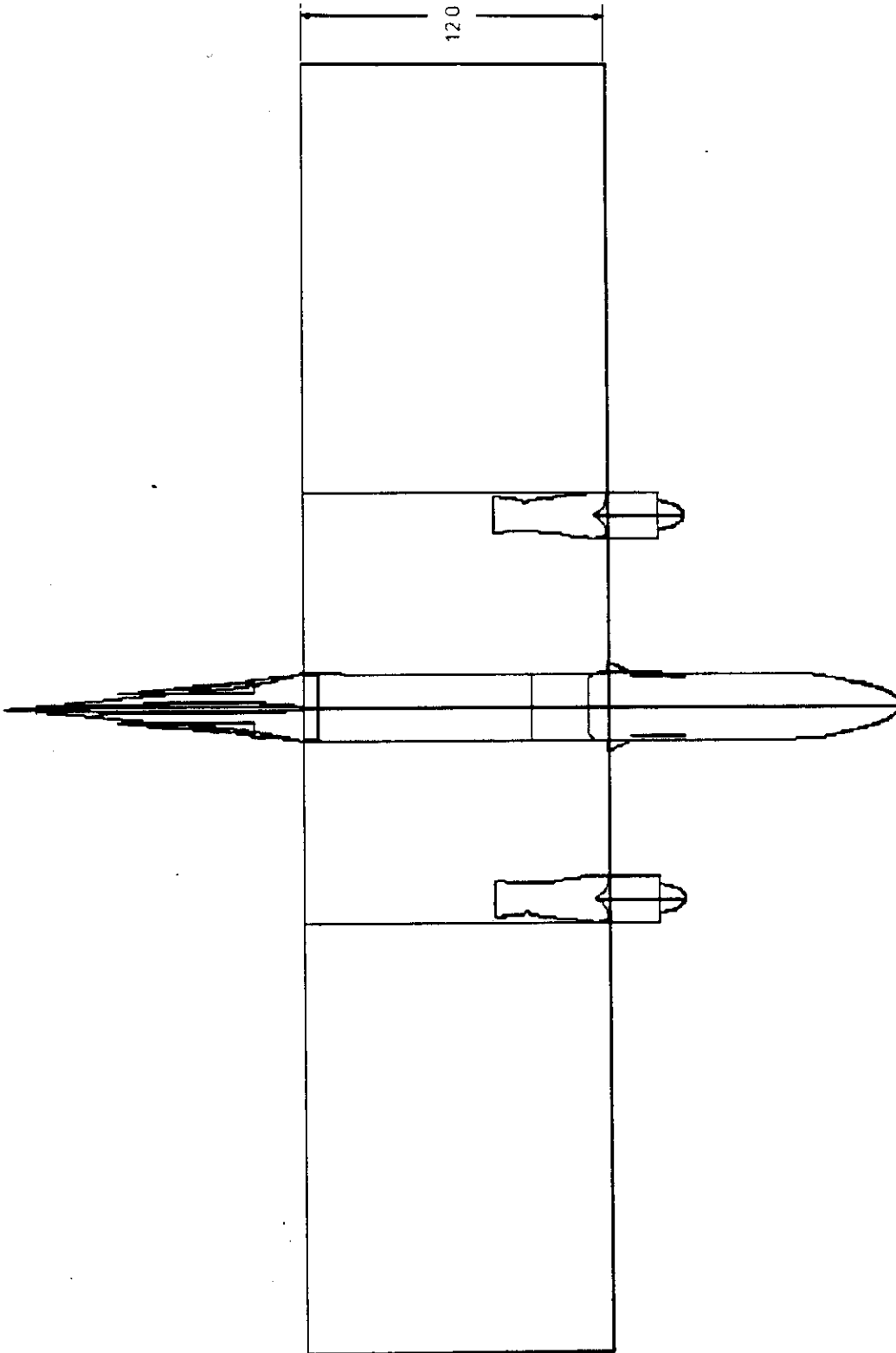


Dragon Eye Front View: Not to scale, all units in inches.





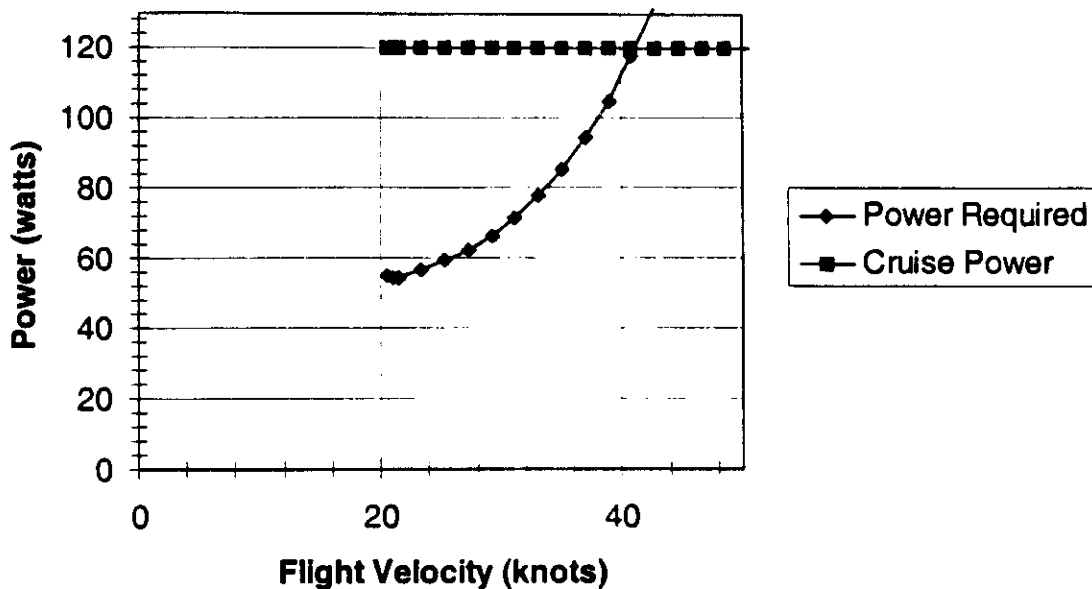
Dragon Eye



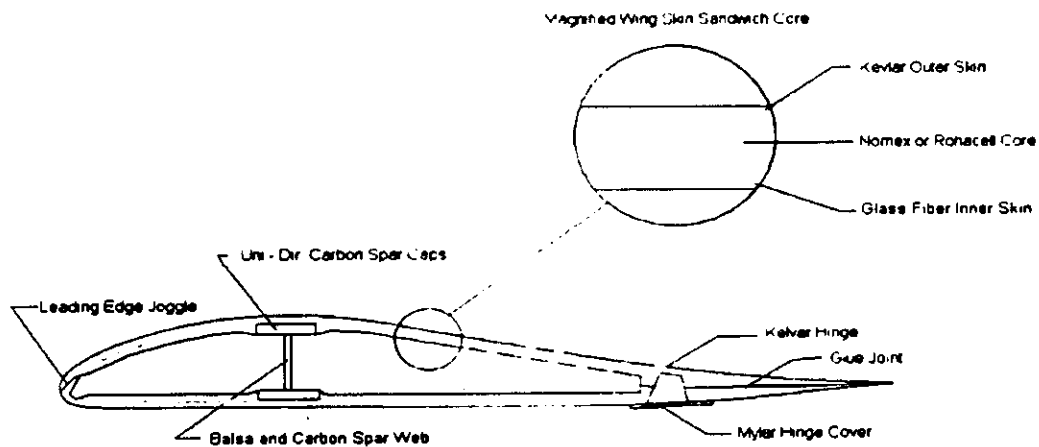
Dragon Eye Top View: Not to scale, all units in inches.



Dragon Eye



Steady Level Flight Performance



Typical Dragon Eye Composite Structures