

AVIONES CATEGORIA LSA



AVION ULTRALIGERO:

Referencia: Vento

Specifications

Wing Span	8,80 meters
Length	6,25 meters
Chord	1,40 meters
Wing Area	12,32 meters
Engine	Rotax 80 HP
Empty Weight	260 Kg
Max Weight	590 Kg
Useful load	330 Kg
Passengers	2 Tandem

Performance

Max Range (w. reserve)	600 Nm
Endurance	5 Hours
Maximum Cruise Speed	120 n
Stall Speed	27
Take off Distance	200
Landing Distance	150



AVION ULTRALIGERO:

Referencia: Evolution

SPECIFICATIONS PERFORMANCE	
FUSELAGE LENGTH	30.5 FEET
HEIGHT	6 FEET 8 INCHES
WING SPAN	38 FT 6 INCHES
WING AREA	139 SQ FT
ADJUSTABLE SEATS	2
EMPTY WEIGHT, TYPICAL	275 KGM
MAXIMUM GROSS WEIGHT	465 KGM
ROTAX ENGINE 912 - 912S - 912 TURBO (Not 914)	80 - 100 - 120 HP
SERVICE CEILING	14.500 FEET
FUEL CONSUMPTION	4.9 GPH
FUEL CAPACITY, STD	24 GALLONS
TAKEOFF DISTANCE, GROUND ROLL	60 METERS
TAKEOFF DISTANCE OVER 50-FT OBSTACLE	80 METERS
MAX DEMONSTRATED CROSSWIND COMPONENT	25 MPH
RATE OF CLIMB, SEA LEVEL	1100FPM
MAXIMUM CRUISE SPEED	210 KM
LANDING DISTANCE OVER 50-FT OBSTACLE	130 METERS
LANDING DISTANCE, GROUND ROLL	100 METERS
GLIDE RATIO	13:01
RANGE	580 N.M.
Vx (BEST ANGLE OF CLIMB)	70 MPH
Vy (BEST RATE OF CLIMB)	80 MPH
Vne (NEVER EXCEED)	240 KM
Vso (STALL, IN LANDING CONFIGURATION)	65 KM



HELICPTERO ULTRALIGERO:

Referencia: A600 Talon

SPECIFICATIONS PERFORMANCE

Power plant	RW 162 Fuel Inyc.
Seats	2
Gross Weight	1.165 lbs
Empty Weight	640 lbs
Pilot and Passenger load	360 lbs
Fuel Capacity	17 US Gal
Rate of Climb	1.000 Fpm
Hover in ground effect	7.000 Ft
Hover out ground effect	5.000 Ft
Service ceiling	10.000 Ft
Range	180 Mi/ 2 Hours
Normal cruise	90 Mph (82 Knots)
VNE	115 Mph



AVION ULTRALIGERO:

Referencia: Magic GS

Dimensions		
Wing Span	8,55 m	28,05 ft
Wing Area	11,34 m ²	122,06 sq ft
Wing Chord MAC	1,34 m	4,39 ft
Aspect Ratio	6,446	6,4
Overall Height	2,18 m	7,15 ft
Overall Length	6,85 m	22,47 ft
Horizon Tail Span	2,5 m	8,2 ft
Horizon Tail Area	2,1 m ²	22,6 sq ft
Horizon Tail Chord	0,84 m	2,8 ft

Weight and capacities		
Empty Weight	320 Kg	705,5 Lb
Gross Weight	600 Kg	1322,8 Lb
Load Factor Desing	+6/-3 G	+6/-3 G
Load Factor Limit	+4/-2 G	+4/-2 G
Cabin Width	1,12 m	44,1 Inch
Cabin Height	1,18 m	16,5 Inch
Landing Gear	Tricycle	Tricycle
Landing Gear Width	1,87 m	6,13 ft
Seats	(2) side by side	(2) side by side
Fuel Capacity Standard	75,7 L	20 US gal

Performance		
Top Speed	193 Km/h	120 mph
Cruise Speed	185 Km/h	115 mph
V.N.E	209 Km/h	130 mph
Stall Speed No Flaps	77 Km/h	48 mph
Stall Speed W. Flaps	56 Km/h	35 mph
Rate Of Climb	305 m/min	1000 fpm
Service Ceiling	+3600 m	+12000 ft
Take-Off Roll	155 m	509 ft
Take-of distance over 15 m obstacle	257 m	509 ft
Landing Roll	161 m	542 ft
Take-of distance over 15 m obstacle	281 m	921 ft



AVION ULTRALIGERO:

Referencia: Urraco

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Cruise Speed	185 Km/h	115 mph
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Stall Speed No Flaps	77 Km/h	48 mph
Stall Speed W. Flaps	56 Km/h	35 mph
Rate Of Climb	305 m/min	1000 fpm
Service Ceiling	+3600 m	+12000 ft
Take-Off Roll	155 m	509 ft
Take-of distance over 15 m obstacle	257 m	509 ft
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