

<b>S-6ES (ELS)</b>			
<b>SPECIFICATIONS</b>			
Wing Span		30 ft 4 in	
Area		137.6 sq ft	
Mean Chord		4 ft 6 in	
Aspect		6.73	
Length		20 ft 9 in	
Height*		7 ft 8 in	
Cockpit Width		45 in	
Headroom		39 in	
Legroom		41 in	
Number of Seats		2	
Doors		2	
Landing Gear**		F/TD/TR	
Baggage Volume***		6 cubic ft	
Baggage Capacity		50 lbs	
Aux. Baggage Volume***		7 cubic ft	
Aux. Baggage Capacity***		30 lbs	
Fuel Capacity		18 gal US	
<b>POWER PLANT</b>			
Engine	Rotax	912UL	912ULS
Output		80 hp	100 hp
Oil Capacity		3 qts	3 qts
Coolant Capacity		4.4 qts	4.4 qts
Propeller Diameter		70	
Propeller Type		3 Blade Composite	
Gear Reduction		1:2.27	1:2.43
Fuel G.P.H. @ 75%		4.5	5.0
<b>PERFORMANCE</b>			
Take Off Roll		220 ft	210 ft
Rate of Climb		950 fpm	1250 fpm
Service Ceiling		14,000	16,000 ft
Cruise		105mph	110 mph
VNE		130mph	130 mph
Stall Clean		41 mph	41 mph
Stall Flaps		36 mph	36 mph
Roll Rate		80 deg/sec	
Glide Ratio		9:1	
Landing Roll		260 ft	
Endurance		4.0 hrs	3.6 hrs
Range		420	396 miles
<b>WEIGHTS AND LOADINGS</b>			
Gross Weight		1320 lbs	
Empty Weight		675 lbs	
Useful Load		645 lbs	
Wing Loading		9.59 lbs	
Power Loading		16.50	13.20 lbs
Limit Load Factors		+4-2	

\*Trike height is shown, Taildragers are 6 ft

\*\*F/TD/TR=Fixed Taildragger/Trike

\*\*\*Baggage Compartment Optional

\*\*\*\*Refer to Optional Props