

S-7S (LS)	
SPECIFICATIONS	
	100HP
Wing Span	29 ft 3 in
Area	147.1 sq ft
Mean Chord	5 ft
Aspect	5.85:1
Length	23 ft 3 in
Height	6 ft 3 in
Cockpit Width	30 in
Headroom Front/Rear	42 in/36 in
Legroom Front/Rear	41.5 in/40 in
Number of Seats	2
Doors	2
Landing Gear*	F/TD
Baggage Volume	10 Cubic ft
Baggage Capacity	50 lbs
Fuel Capacity	26 gal US
POWER PLANT	
	912 ULS
Engine	Rotax 912 ULS
Output	100 hp
Oil Capacity	3.0 qts
Coolant Capacity	4.4 qts
Propeller Diameter	70 in
Propeller Type	Ground Adjustable
Gear Reduction	1:2.43
Fuel G.P.H @ 75%	5.0
PERFORMANCE	
Take Off Roll	325 ft
Rate of Climb	850 fpm
Service Ceiling	14500 ft
Cruise	110 mph
VNE	130 mph
Stall Clean	39 mph
Stall Flaps	33 mph
Roll Rate	70° / sec
Glide Ratio	8:1
Landing Roll	340 ft
Endurance	5.2 hrs
Range	572 miles
WEIGHTS AND LOADING	
Gross Weight	1320 lbs
Empty Weight	732 lbs
Useful Load	588 lbs
Wing Loading	8.9 lbs
Power Loading	13.2
Limit Load Factors	+ 4 - 2

*F/TD = Fixed Taildragger