

S-7S(LS)

SPECIFICATIONS

100HP

Wing Span.....29 ft 3 in
Area..... 147.1 sq ft
Mean Chord..... 5 ft
Aspect..... 5.85:1
Length23 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 Capacity3.0 qts
Coolant Capacity4.4 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 14,500 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 LOADINGS

Gross Weight.....1320 lbs
Empty Weight732 lbs
Useful Load.....588 lbs
Wing Loading.....8.9 lbs
Power Loading 13.20
Limit Load Factors +4-2

*F/TD = Fixed Taildragger