

S-7S (LS)

SPECIFICATIONS

| | |
|---------------------|---------------|
| 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 | 11 cubic ft |
| Baggage Capacity | 50 lbs |
| Fuel Capacity | 26 gal US |

POWER PLANT

| | |
|--------------------|-------------------|
| Engine | Rotax 912 ULS |
| Output | 100 hp |
| Oil Capacity | 3 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 | 300 ft |
| Rate of Climb | 900 fpm |
| Service Ceiling | 14,500 ft |
| Cruise | 110 mph |
| VNE | 130 mph |
| Stall Clean | 39 mph |
| Stall Flaps | 33 mph |
| Roll Rate | 80 deg/sec |
| Glide Ratio | 8:1 |
| Landing Roll | 340 ft |
| Endurance | 5.2 hrs |
| Range | 572 miles |

WEIGHTS AND LOADINGS

| | |
|--------------------|----------|
| Gross Weight | 1320 lbs |
| Empty Weight | 732 lbs |
| Useful Load | 588 lbs |
| Wing Loading | 8.9 lbs |
| Power Loading | 13.20 |
| Limit Load Factors | +4-2 |

*F/TD=Fixed Taildragger