

S-19(LS)

SPECIFICATIONS	100HP
Wing Span.....	28ft
Area.....	126.9 sq ft
Mean Chord.....	4 ft 7 in
Aspect Ratio.....	6.18
Height.....	95.5 in
Length.....	238.75 in
Cockpit Width.....	43.5 in
Headroom.....	39-40 in
Legroom.....	45 in
Number of Seats.....	2
Landing Gear*.....	F/TR
Baggage Volume.....	13 cubic ft
Baggage Capacity.....	70 lbs
Fuel Capacity.....	24 gal US/ 22 Useable

POWER PLANT	912 ULS
Engine.....	912 ULS
Output.....	100 hp
Oil Capacity.....	3.0 qts
Coolant Capacity.....	4.4 qts
Propeller Diameter.....	70 in
Propeller Type.....	2 Blade ground adjustable
Gear Reduction.....	1:2.43
Fuel G.P.H. @ 75%.....	5.0

PERFORMANCE

Take Off Roll.....	325 ft
Rate of Climb.....	900 fpm
Service Ceiling.....	14,500ft
Cruise.....	136 mph
VNE.....	150 mph
Stall Clean.....	50 mph
Stall Flaps.....	45 mph
Roll Rate.....	100° / sec
Glide Ratio.....	12:1
Landing Roll.....	325 ft
Endurance.....	4.4 hrs
Range.....	598 miles

WEIGHTS AND LOADINGS

Gross Weight.....	1320 lbs**
Empty Weight.....	820 lbs
Useful Load.....	500 lbs
Wing Loading.....	10.4 psf
Power Loading.....	13.2lb/HP
Limit Load Factors.....	+4.4 -2

*F/TR = Fixed Trike

**Airframe rated for 1500lbs.

Performance at sea level and maximum gross weight, unless otherwise stated.