



S-9 CHAOS

SPECIFICATIONS	65 HP	80HP/100HP
Wing Span	22.0 ft	22.0 ft
Area	91.5 sq ft	91.5 sq ft
Mean Chord	4 ft 2 in	4 ft 2 in
Aspect	5.3:1	5.3:1
Length	15 ft 8 in	15 ft 8 in
Height	4 ft 10 in	4 ft 10 in
Cockpit Width	26 in	26 in
Headroom	38 in	38 in
Legroom	45.5 in	45.5 in
Number of Seats	1	1
Doors	1	1
Landing Gear*	F/TD	F/TD
Fuel Capacity**	9 or 18 gal US	

POWER PLANT	582	912ULS
Engine	Rotax 582	Rotax 912ULS
Output	65 hp	100 hp
Oil Capacity	2.5	3 qts
Coolant Capacity	4.4 qts	4.4 qts
Propeller Diameter	68 to 70 in	68 to 70 in
Propeller Type ***		
Gear Reduction	1:2.58	1:2.43
Fuel G.P.H @ 75%	5.75	5.0

PERFORMANCE

Take Off Roll	200	250 ft
Rate of Climb	1000 fpm	1100 fpm
Service Ceiling	15,000 ft	16000 ft
Cruise	100 mph	120 mph
VNE	130 mph	130 mph
Stall Clean	41 mph	43 mph
Roll Rate	100° / sec	100° / sec
Glide Ratio	8:1	8:1
Landing Roll	400 ft	400 ft
Endurance**	1.56 hrs	1.8 hrs
Range**	156 miles	216 miles

WEIGHTS AND LOADINGS

Gross Weight	710 lbs	810 lbs
Empty Weight	375 lbs	475 lbs
Useful Load	335 lbs	335 lbs
Wing Loading	7.76 lbs	8.85 lbs
Power Loading	11.0lbs	8.1 lbs
Limit Load Factors	+6-4	+6-4

*F/TD=Fixed Taildragger

**Double the Range with a second optional wing tank.

***Refer to propeller options

Performance at sea level and maximum gross weight.