



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.