



S-12XL

SPECIFICATIONS	52 HP	65 HP	80HP/100HP
Wing Span	31.0 ft	31.0 ft	31.0 ft
Area	152 sq ft	152 sq ft	152 sq ft
Mean Chord	4 ft 10.5 in	4 ft 10.5 in	4 ft 10.5 in
Aspect	6.33:1	6.33:1	6.33:1
Length	21 ft 8 in	21 ft 8 in	21 ft 8 in
Height	88 in	88 in	88 in
Cockpit Width	41 in	41 in	41 in
Headroom	41.5 in	41.5 in	41.5 in
Legroom	44.5 in	44.5 in	44.5 in
Number of Seats	2	2	2
Doors	2	2	2
Landing Gear*	F/TR	F/TR	F/TR
Baggage Volume**	n/a	n/a	n/a
Baggage Capacity	n/a	n/a	n/a
Fuel Capacity	18 gal US	18 gal US	18 gal US

POWER PLANT	503	582	912/912S
Engine	Rotax 503	Rotax 582	Rotax 912UL/912ULS
Output	52 hp	65 hp	80 hp/100 hp
Oil Capacity	n/a	2.5 qts	3.0 qts
Coolant Capacity	n/a	4.4 qts	4.4 qts
Propeller Diameter	68 in	68 in	68 in to 72 in
Propeller Type	Wood	Wood	Wood
Gear Reduction	1:2.58	1:2.58	1:2.27/1:2.43
Fuel G.P.H.	4.0 gal @ 85%	5.75 gal @85%	4.5 /5.0 gal @80%

PERFORMANCE

Take Off Roll	285 ft	250 ft	285 ft/220 ft
Rate of Climb	500 fpm	900 fpm	900 fpm/1200 fpm
Service Ceiling	12,500 ft	14,000 ft	14,000 ft/14,500ft
Cruise	65 mph	75 mph	85 mph/90 mph
VNE	100 mph	100 mph	100 mph
Stall Clean	38 mph	40 mph	42 mph
Stall Flaps	32 mph	33 mph	35 mph
Roll Rate	70° /sec	70° /sec	70° /sec
Glide Ratio	7:1	7:1	7:1
Landing Roll	200 ft	200 ft	200 ft
Endurance	4.5 hrs	3.1 hrs	4.4 hrs/4 hrs
Range	292.5 miles	232.5 miles	374 miles/360 miles

WEIGHTS AND LOADINGS

Gross Weight	920 lbs	975 lbs	1100 lbs
Empty Weight	430 lbs	475 lbs	575 lbs
Useful Load	490 lbs	500 lbs	525 lbs
Wing Loading	6.0 lbs	6.4 lbs	7.2 lbs
Power Loading	17.7 lbs	15.0 lbs	13.75/11 lbs
Limit Load Factors	+4-2	+4-2	+4-2

*F/TR=Fixed Trike

**50 lbs of baggage can be carried in the space available behind the seats.
Performance at sea level and maximum gross weight.