

RANS S-18 STINGER II

SPECIFICATIONS AND PERFORMANCE

SPECIFICATIONS	65 HP	80 HP
Wing Span.....	31 ft.....	31 ft
Area.....	152 sq ft.....	152 sq ft
Mean Chord	4 ft 10.5in.....	4 ft 10.5in
Aspect	6.33:1.....	6.33:1
Length	22 ft 1in.....	22 ft 1 in
Height (Tailwheel down)..	81 in.....	81 in
Number of Seats	2.....	2
Landing Gear	F/TD.....	F/TD
Fuel Capacity	9 gal US.....	9 gal US

POWER PLANT	582	912
Engine	Rotax 582 DC	Rotax 912
Output	65 hp.....	80hp
Propeller Diameter	68 in.....	68 in
Propeller Type.....	Wood	Composite
Gear Reduction	1:2.58.....	1:2.27
Fuel G.P.H.	5.75 gal @ 85%	4.1 gal @ 80%

PERFORMANCE**

Take Off Roll	300 ft.....	345 ft
Rate of Climb	700 fpm.....	725 fpm
Cruise.....	65 mph.....	85 mph
VNE.....	90 mph.....	90 mph
Stall Clean.....	46 mph.....	48 mph
Stall Flaps	42 mph.....	43 mph
Landing Roll	200 ft.....	225 ft
Endurance (w/18 gal. W/ res.)	2.5 hrs	3.0 hrs

WEIGHTS AND LOADINGS

Gross Weight	1100 lbs.....	1100lbs
Empty Weight*	544 lbs.....	595 lbs
Useful Load.....	556 lbs.....	505 lbs
Limit Load Factors.....	+4 -2.....	+4 -2

Standard Equipped

Performance at sea level and maximum gross weight.