



4600 Highway 183 Alternate
 Hays, Kansas 67601
 (785) 625-6346
 FAX (785) 625-2795
 www.rans.com

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

STANDARD EQUIPMENT

- ROTAX Engine install kit
- Steerable full swivel tail wheel
- Elevator trim tab operated from front seat
- Adjustable horizontal incidence
- Dual horn elevators
- Folding tail
- 6" boom with bonded-in internal doublers and riveted-on external doublers, pre-painted
- Sump valve
- Universal hinge for folding wing on rear spar
- Anodized aluminum airfoil struts
- Adjustable aft lift struts
- Folding jury struts
- 4 position flaps
- Differential ailerons
- Propeller
- Flap center section
- Engine mount with 4 rubber isolator
- 3-way splitter
- Dual CHT, ASI, Dual EGT, and Digital rpm/hourmeter
- Preformed wing ribs
- Predrilled components on wing/tail
- 9-gallon fuel tank right hand side, standard
- Quick disconnect fuel lines
- Quick open, metal center cover for knock down/set-up access
- Full 4130 welded steel cage, powdercoat painted
- Nose pod
- Belly pans
- Aluminum leaf spring main gear
- 5" drum brakes
- Tundra tires
- Aluminum wheels
- Park brake
- Dual throttle with friction adjustment
- Dual rudder pedals
- Pre-cut and powder coated instrument panel
- Mesh back seats with removable, washable seat bottoms with molded foam cushions
- Seat adjusts in tilt and fore/aft
- Super secure, 4 point Hooker Harness in dark gray
- Aircraft quality ball bearing pulleys and control cables

All parts in the kit are fabricated. Some drilling and riveting are required. However, no welding, painting or fabric work is required. Clear coating of the covering is recommended. Order our video to learn the how-to's of clear coating.

Build Time: 200 hrs

RANS, Inc. reserves the right to make changes to prices, specifications or models or add improvements at any time without notice or obligation. Some measurements are approximate. Many photos show optional equipment.

RANS Products—Made in U.S.A.

RANS, Inc. 4600 Highway 183 Alternate, Hays, KS 67601 (785) 625-6346 FAX (785) 625-2795 www.rans.com