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## RANS S-17 STINGER SPECIFICATIONS AND PERFORMANCE

<b>SPECIFICATIONS</b>	<b>42 HP</b>	<b>52 HP</b>
Wing Span.....	29.5 ft.....	29.5 ft
Area.....	127sq ft.....	127 sq ft
Mean Chord.....	4 ft 4 in.....	4 ft 4in
Aspect .....	7:1.....	7:1
Length .....	17 ft 4 in.....	17 ft 4 in
Height.....	84 in.....	84 in
Cockpit Width .....	N/A.....	N/A
Headroom.....	40 in.....	40 in
Legroom .....	41 in.....	41 in
Number of Seats .....	1.....	1
Landing Gear.....	F/TD.....	F/TD
Fuel Capacity .....	5 gal US.....	5 gal US

<b>POWER PLANT</b>	<b>447</b>	<b>503</b>
Engine .....	Rotax 447 .....	Rotax 503
Output.....	42 hp.....	52 hp
Propeller Diameter .....	68 in.....	68 in
Propeller Type .....	IVO 3-Blade .....	IVO 3-Blade
Gear Reduction .....	1:2.58.....	1:2.58
Fuel G.P.H.....	3.75 gal @ 75% ..	4.0 gal @ 75%

<b>PERFORMANCE</b>		
Take Off Roll .....	100 ft.....	80 ft
Rate of Climb.....	700 fpm.....	900 fpm
Service Ceiling .....	12,500 ft.....	13,000 ft
Cruise .....	55 mph.....	60 mph
VNE .....	95 mph.....	95 mph
Stall .....	28 mph.....	28 mph
Roll Rate.....	70° / sec .....	70° / sec
Glide Ratio.....	6:1.....	6:1
Landing Roll .....	100 ft.....	100 ft
Endurance .....	1.3 hrs.....	1.0 hrs
Range.....	71 miles .....	60 miles

<b>WEIGHTS AND LOADINGS</b>		
Gross Weight.....	587 lbs .....	587 lbs
Empty Weight*.....	345 lbs .....	355 lbs
Useful Load .....	275 lbs .....	275 lbs
Wing Loading .....	4.1 lbs .....	4.2 lbs
Power Loading .....	12.5 lbs .....	11.4 lbs
Limit Load Factors.....	+4-2 .....	+4-2

\*Empty Weight will increase with addition of 5" wheels, brakes, streamline struts, clear coat, and other equipment.  
 Performance at sea level and maximum gross weight.

### STANDARD EQUIPMENT

- 4130 Welded Steel Cockpit Cage comes powder coated
- 5" Aluminum Boom Tube
- ROTAX engine install kit
- 3-Blade IVO prop
- 4-Point vibration isolation
- 2 ¼" and 1 ¾" aluminum tube wing spars with
- Aluminum ribs
- Root rib tension system on wings, ailerons, and flaps
- Drum brakes
- Aluminum wheels
- Spring steel landing gear
- Steerable tail wheel
- Upholstered seat (adjustable fore and aft, and tilt)
- 5 gallon wing tank
- ASI, RPM, CHT, Hourmeter
- Aluminum airfoil lift struts
- Ball bearing aircraft control pulleys
- Push tube and cable operated ailerons
- Cable operated rudder
- Push-pull tube operated elevator
- Dual elevator horns
- Foldable tail (3 minutes)
- Quick detach wings (10 minutes)
- Extensive pre-drilling and forming of parts for fast assembly
- Most parts powder coated, anodized or painted
- Adjustable tail incidence
- 4 oz Dacron skins
- Comes in choice of several solid colors

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 covering is recommended. Order our video to learn the how-to's of clear coating.

**Build Time: 150 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.**