



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

## RANS S-10 SAKOTA SPECIFICATIONS AND PERFORMANCE

### SPECIFICATIONS

	65HP	80 HP/100HP
Wing Span.....	24.0 ft.....	24.0 ft
Area.....	95.0 sq ft.....	95.0 sq ft
Mean Chord.....	4 ft 2 in.....	4 ft 2 in
Aspect .....	4.23:1.....	4.23:1
Length .....	17 ft 10 in.....	17 ft 10 in
Height.....	4 ft 10 in.....	4 ft 10 in
Cockpit Width .....	37 in.....	39.75 in
Headroom.....	38 in.....	37 in
Legroom .....	42 in.....	42 in
Number of Seats .....	2.....	2
Doors.....	2.....	2
Landing Gear* .....	F/TD.....	F/TD
Baggage Volume.....	8 cubic ft.....	8 cubic ft
Baggage Capacity .....	30 lbs.....	30 lbs
Fuel Capacity .....	18 gal US.....	18 gal US

### POWER PLANT

	582	912/ 912S
Engine .....	Rotax 582 .....	Rotax 912/912S
Output.....	65 hp.....	80hp/100 hp
Oil Capacity .....	2.5 qts.....	3.0 qts
Coolant Capacity .....	4.4 qts.....	4.4 qts
Propeller Diameter .....	68 in to 70 in.....	68 in to 70 in
Propeller Type .....	Wood .....	Wood
Gear Reduction .....	1:2.58.....	1:2.27
Fuel G.P.H.....	5.75 gal @ 85%..	4.1 /4.5 gal @ 80%

### PERFORMANCE

Take Off Roll .....	300 ft.....	325 ft/310 ft
Rate of Climb.....	800 fpm.....	900fpm/1200 fpm
Service Ceiling .....	12,500 ft.....	14,000 ft/14,500 ft
Cruise.....	110 mph.....	120 mph/125 mph
VNE .....	130 mph.....	130 mph
Stall Clean .....	45 mph.....	48 mph
Stall Flaps.....	41 mph.....	44 mph
Roll Rate.....	100° / sec .....	100° / sec
Glide Ratio.....	7:1.....	7:1
Landing Roll .....	400 ft.....	400 ft
Endurance .....	3.1 hrs.....	4.4 hrs/4hrs
Range.....	341 miles .....	528 miles/520 miles

### WEIGHTS AND LOADINGS

Gross Weight.....	960 lbs .....	1010 lbs
Empty Weight.....	460 lbs .....	510 lbs
Useful Load .....	500 lbs .....	500 lbs
Wing Loading .....	10.1 lbs .....	10.6 lbs
Power Loading .....	14.7 lbs .....	12.6 lbs
Limit Load Factors.....	+4-2 .....	+4-2

\*F/TD=Fixed Taildragger

Performance at sealevel and maximum gross weight

### STANDARD EQUIPMENT

- ROTAX engine and engine install kits (see pricing info)
- RPM gauge
- 2-Blade wood prop
- 4130 Welded steel fuselage, tail group
- Heat treated steel landing gear
- Aluminum wheels with aircraft tires
- Wheel pants
- Preformed trussed wing ribs
- .020 Aluminum leading edge wrap
- 3" Main spars
- 2" Aft spars
- (2) 9 gallon wing tanks
- Bench seat
- 2.7 ounce aircraft covering fabric,
- All surface tapes, glue, lacing, inspection plates and exit covers
- Welded aluminum one piece canopy frames
- Airfoil struts
- In-flight pitch trim
- In-flight manual start
- "Deep Set" panel
- Roll over protection
- Shoulder harnesses and lap belts
- Dual elevator horns
- Push-pull elevator tube
- Cable operated rudder
- 2-Position flaps
- Differential ailerons
- Center control stick
- Dual throttles
- Pilot side flap lever
- Pre-molded cowling
- 12" Composite spinner
- 4130 welded steel Heavy duty engine mount with 4 point isolation
- Under the wing windows
- Dual Cockpit air inlet vents
- Ball bearing aircraft control pulleys
- Dual fuselage foot pegs and wing steps
- Dual cable braced folding tail
- Steerable tail wheel
- Dual rudder pedals
- Hydraulic brakes
- Firewall sound proofing
- Baggage compartment

The S-10 Sakota is an FAA Approved 51% Kit – No welding required.

**BUILD TIME:** 350 to 600 hours

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.

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