

RANS

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RANS S-4 / S-5 COYOTE I SPECIFICATIONS AND PERFORMANCE

SPECIFICATIONS	42HP	52HP
Wing Span.....	29.5 ft.....	29.5 ft
Area.....	127 sq ft.....	127 sq ft
Mean Chord.....	4 ft 4 in.....	4 ft 4 in
Aspect.....	7:1.....	7:1
Length.....	17 ft.....	17 ft
Height*.....	72 in.....	72 in
Cockpit Width.....	25 in.....	25 in
Headroom.....	36 in.....	36 in
Legroom.....	41 in.....	41 in
Number of Seats.....	1.....	1
Doors.....	2.....	2
Landing Gear**.....	F/TD/TR.....	F/TD/TR
Baggage Volume.....	n/a.....	n/a
Baggage Capacity.....	n/a.....	n/a
Auxiliary Baggage Volume.....	n/a.....	n/a
Auxiliary Bagg. Capacity.....	n/a.....	n/a
Fuel Capacity.....	9 gal US.....	9 gal US

POWER PLANT	447	503
Engine.....	Rotax 447.....	Rotax 503
Output.....	42 hp.....	52 hp
Oil Capacity.....	n/a.....	n/a
Coolant Capacity.....	n/a.....	n/a
Propeller Diameter.....	66 in to 68 in.....	66 in to 68 in
Propeller Type.....	Wood.....	Wood
Gear Reduction.....	1:2.58.....	1:2.58
Fuel G.P.H.....	3.75 gal @ 85%.....	4.0 gal @ 85%

PERFORMANCE		
Take Off Roll.....	100 ft.....	80 ft
Rate of Climb.....	700 fpm.....	800 fpm
Service Ceiling.....	12,500 ft.....	13,000 ft
Cruise.....	65 mph.....	70 mph
VNE.....	95 mph.....	95 mph
Stall Clean.....	31 mph.....	31 mph
Stall Flaps.....	27 mph.....	27 mph
Roll Rate.....	70° / sec.....	70° / sec
Glide Ratio.....	6:1.....	6:1
Landing Roll.....	100 ft.....	100 ft
Endurance***.....	2.4 hrs.....	2.25 hrs
Range***.....	156 miles.....	157.5 miles

WEIGHTS AND LOADINGS		
Gross Weight.....	587 lbs.....	587 lbs
Empty Weight.....	315 lbs.....	325 lbs
Useful Load.....	272 lbs.....	262 lbs
Wing Loading.....	4.6 lbs.....	4.6 lbs
Power Loading.....	14.0 lbs.....	12.5 lbs
Limit Load Factors.....	+4-2.....	+4-2

* Height of S-5 is 96 inches
** F/TD/TR=Fixed Taildragger/Trike
*** Double the Endurance and Range with a second wing tank

STANDARD EQUIPMENT

- ROTAX engine install kits (see pricing info)
 - Extensive pre-drilling and forming of parts for fast assembly
 - Most parts powder coated, anodized or painted
 - Fuselage of tube and gusset design, bolts or rivets together for speedy assembly
 - New in '97, easy entry cabin (lowered door line eases entry and exit)
 - 2-Blade Wood Prop
 - Fiberglass Cowl (top removes with 1/4 turn screws)*
 - 4-Point vibration Isolation
 - 4130 Motor Mount
 - Root rib tension system on wings, ailerons and flaps
 - Drum brakes
 - Aluminum wheels
 - Bungee landing gear
 - Steerable tail wheel or nose gear
 - Fully upholstered seat (adjustable fore and aft, up and down)
 - Three point harness with shoulder belts
 - In-flight adjustable elevator trim tab
 - 9 Gallon wing tank
 - Airspeed, RPM, Cylinder Head Temp, Hourmeter
 - Anodized Aluminum airfoil lift struts
 - Teleflex operated ailerons
 - Cable operated rudder
 - Push-pull tube operated elevator
 - Dual elevator horns
 - Ball bearing aircraft control pulleys
 - Dual cable braced tail
 - Foldable tail (3 minutes)
 - Quick detach wings (10 minutes)
 - Most parts powder coated, anodized or painted
 - 4 oz. Pre-sewn Dacron skins in choice of colors
 - Adjustable tail incidence
- * Builder paints cowling to match.

All parts in the kit are fabricated. Some drilling and riveting are required. However, no welding is required. Pre-sewn, pre-colored fabric simply slips onto airframe. Clear coating of the covering is recommended. Order our video to learn the how-to's of clear coating.

The S-4 (Taildragger) and S-5 (Trike) are FAA Approved Kits, and can be licensed Experimental (51% homebuilt.)

BUILD TIME: 180 to 250 HOURS

Performance at sealevel and maximum gross weight

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.