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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 ¼ 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.