



RV-12iS
VAN'S AIRCRAFT



***MADE FOR
FLIGHT SCHOOLS***

Built and supported by a company with a strong 52 year history

Much lower operating costs and better reliability than the legacy fleet

Low maintenance cost, readily available replacement parts

Insurance costs comparable to legacy fleet of aging aircraft

Enhanced landing gear structure

Available as a fully-capable IFR trainer with smart autopilot

Outperforms other trainers in cruise, climb, altitude, handling

Excellent useful load relative to other light-sport class aircraft

An extra instructor push-to-talk switch, located on the panel

The Latest in Advanced Avionics

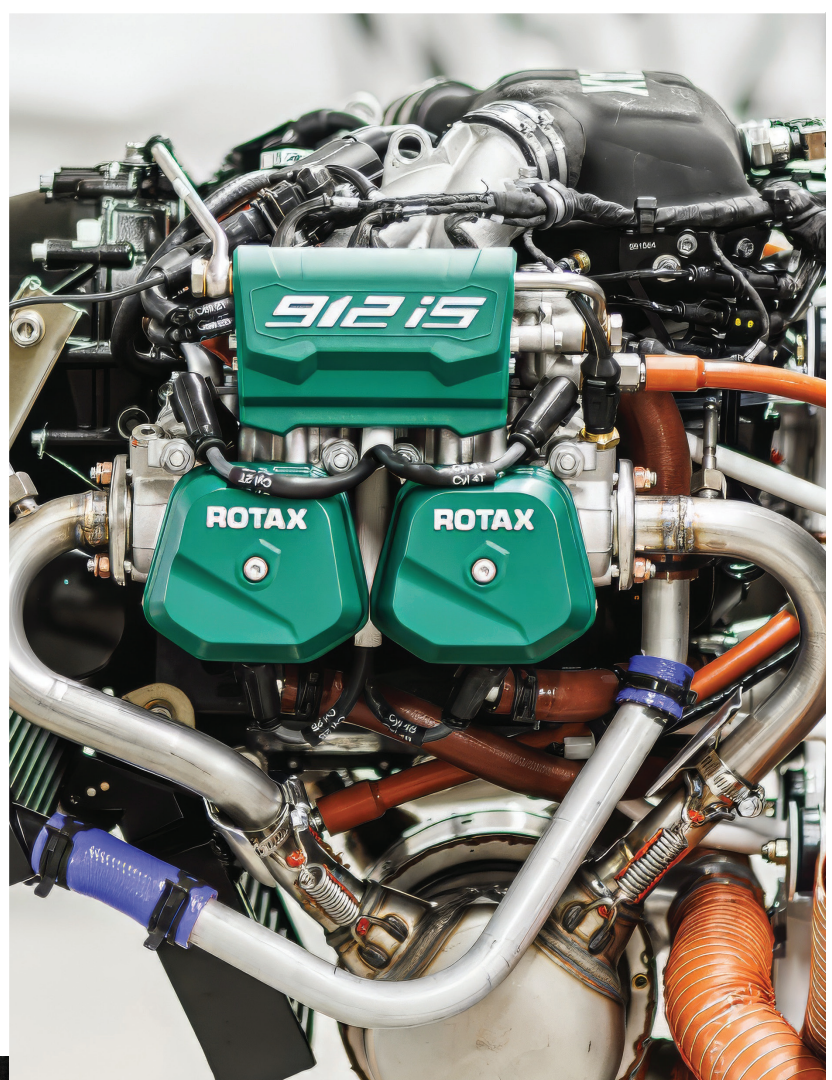
The RV-12iST panel features the Garmin G3X Touch or Dynon Skyview HDX glass-panel system, including synthetic vision. Van's Aircraft works closely with avionics manufacturers to support their latest system capabilities and software enhancements. Addition of the Garmin GTN 650Xi IFR navigator enables the RV-12iST to be used as an instrument training platform. Other features include ADS-B In and Out functionality with weather & traffic, complete engine instrumentation and data recording, checklists, automated maintenance records and reminders, and optional autopilot controls. A second EFIS display can be added, providing even more information to the instructor, while not impacting the student's view of the instruments.



Powerplant: Four-Stroke Rotax Power

Real-world experience has proven the 100-horsepower Rotax 912 iS Sport FADEC-controlled, fuel-injected engine to be durable, reliable, and economical. Its Electronic Control Unit provides fleet maintenance staff with immediate, detailed information to help monitor and maintain the engine system. Operated on either 100LL or unleaded auto fuel, it delivers a greater climb rate and higher service ceiling than classic engines common to the aging training fleet. It's typical to experience fuel consumption of 3.8 gallons per hour — and possibly even less — in cruise, which translates into lower operating costs and higher profit potential for your business.





RV-12iST SPECIFICATIONS

Span	26' 9"
Length	19' 11"
Height	8' 4"
Wing Area	127 sq. ft
Cabin Width	43"
Empty Weight	755 lbs
Baggage	75 lbs
Maximum Useful Load	520-565 lbs
Gross Weight	1,320 lbs
Fuel Capacity	20 US gal
Wing Loading (gross)	10.4 lb/ft
Power Loading (gross)	13.2 lbs/hp
Engine	Rotax 912 iS Sport
Propeller	Sensenich GA Comp
Endurance	5.2 hrs

RV-12iST PERFORMANCE

Top Speed	125 kts
Cruise Speed (7,500' @ 5,500 rpm)	117 kts
Cruise Speed (7,500' @ 5,000 rpm)	105 kts
Stall Speed	41 kts
Takeoff Distance	700 ft
Landing Distance	525 ft
Rate of Climb	1,000+ fpm
Ceiling	19,200 ft
Range @ 55%	573 nm

Specifications in nautical miles at gross weight