

AIRCRAFT

Certification	Experimental (EAB)
Crew + Passengers	4

RV-10 SPECIFICATIONS

Span	31' 9"
Length	24' 5"
Height	8' 8"
Wing Area	148 sq. ft
Empty Weight	1,600 lbs
Engine Make & Model	IO-540
Maximum Useful Load	1,050-1,100 lbs
Gross Weight	2,700 lbs
Wing Loading (gross)	18.6 lb/ft
Power Loading (gross)	13.5-10.4 lb/hp
Engine	210-260 hp
Prop Type	Constant Speed
Fuel Capacity	60 US gal
Baggage	100 lbs
Cabin Height	40.5"
Cabin Width	48.25"

RV-10 PERFORMANCE - LIGHT WEIGHT

Top Speed	211 mph
Cruise Speed (75% @ 8,000')	201 mph
Cruise Speed (75% @ 8,000')	180 mph
Stall Speed	57 mph
Takeoff Distance	360 ft
Landing Distance	525 ft
Rate of Climb	1,950 fpm
Ceiling	24,000+ ft
Range @ 55%	1,050 nm

RV-10 PERFORMANCE - GROSS WEIGHT

Top Speed	208 mph
Cruise Speed (75% @ 8,000')	197 mph
Cruise Speed (55% @ 8,000')	176 mph
Stall Speed	63 mph
Takeoff Distance	500 ft
Landing Distance	650 ft
Rate of Climb	1,450 fpm
Ceiling	20,000+ ft
Range @ 55%	825 nm

KIT PRICES & LEAD TIMES



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THE ULTIMATE
FOUR-SEAT AIRCRAFT

The RV-10 is Van's Aircraft's four-seat airplane, part of the world's most successful family of kit aircraft. Known for its exceptional comfort, speed, and utility, the RV-10 seamlessly blends performance with practicality. Its proven design, powerful engine, and comprehensive kit provide an unparalleled building and flying experience.



Design

The RV-10's monocoque aluminum airframe uses a construction method that has been the industry standard for over seventy years. Its main landing gear consists of proven, robust steel rods, while the nosewheel is mounted on a strong steel strut. Powered by a 260-horsepower Lycoming IO-540 engine, the RV-10 offers reliable and efficient performance. The composite cabin top enhances occupant protection, and the innovative seat design provides exceptional comfort and safety.



Performance

The RV-10 will comfortably carry four full-sized adults, accommodating people up to 6' 4" in the front and rear seats. With a useful load of more than 1,000 pounds and a fuel capacity of 60 gallons, you and your passengers can cruise at 201 mph for four hours or achieve over five hours of endurance at 175 mph. The RV-10 excels in short-field operations, capable of operating from short runways and climbing well even at high-density altitudes. This aircraft is perfect for cross-country trips, offering stability, comfort, and excellent handling qualities.

Kit Construction

The RV-10 is comprised of five separate kits: empennage, wing, fuselage, finish kit, and firewall forward. Each kit features pre-formed and pre-punched aluminum components, ensuring straightforward and precise assembly. You have the flexibility to order each kit individually, or all at once. On average, an inexperienced builder can expect to spend between 2,000 to 2,600 hours completing an RV-10.

For those looking to save time, our Quick Build kit options are available for both wing and fuselage kits. Quick Build kits can reduce the build time by 800 to 1,000 hours.

Van's Aircraft's detailed instructions and drawings take you step-by-step through assembling your airplane. The RV-10 instructions are thorough, with illustrations accompanying each task in an easy-to-understand format.



When you build an RV-10, you're not just buying a kit: you're joining a passionate community of builders who love to share their passion. To date, more than 1,000 RV-10s have been completed. Van's Aircraft offers extensive support through its staff of dedicated tech support representatives, and you can also learn from the huge network of experienced builders from all over the world. This community is a valuable resource, providing tips, advice, and support.