AIRCRAFT

Certification	Experimental
Crew + Passengers	2

RV-14 SPECIFICATIONS

Span	27'
Length	21' 1"
Height	8' 2"
Wing Area	126.1 sq. ft
Empty Weight	1,225–1,240 lbs
Engine Make & Model	10-390
Maximum Useful Load	910–935 lbs
Gross Weight	2,050 lbs
Wing Loading (gross)	16.25 lb/ft
Power Loading (gross)	9.76 lb/hp
Engine	210 hp
Propeller	Constant Speed
Fuel Capactiy	50 US gal
Baggage	100 lbs
Cabin Width	46"

RV-14 PERFORMACE - LIGHT WEIGHT

Top Speed	218 mph
Cruise Speed (75% @ 8,000')	205 mph
Cruise Speed (55% @ 8,000')	182 mph
Stall Speed	54 mph
Takeoff Distance	225 ft
Landing Distance	330 ft
Rate of Climb	2,050 fpm
Ceiling	26,000 ft
Range	1,050 nm

RV-14 PERFORMACE - GROSS WEIGHT

Top Speed	216 mph
Cruise Speed (75% @ 8,000')	203 mph
Cruise Speed (55% @ 8,000')	179 mph
Stall Speed	59 mph
Takeoff Distance	375 ft
Landing Distance	340 ft
Rate of Climb	1,680 fpm
Ceiling	23,700+ ft
Range	1,033 nm

NOTE: Performance numbers are based on the 215 HP IO-390-EXP119

KIT PRICES & LEAD TIMES



vansaircraft.com | 503-678-6545 14401 Keil Rd NE, Aurora Oregon 97002





WHERE PRECISION



MEETS PERFORMANCE

More room. Quicker Build Time. Our Most Advanced & Refined kit ever.

Discover the Van's RV-14, a versatile two-seat aircraft that seamlessly blends impressive performance with comfort and affordability. From short-field capabilities to long-range cruising, the RV-14 excels in every aspect of flight. Whether landing on grass strips or cruising crosscountry, the RV-14 promises safety, efficiency, and enjoyment.



Design

The RV-14 offers flexibility with a choice between tricycle gear (RV-14A) or tailwheel (RV-14) configurations and allows builders to tailor the aircraft to their preferences and operational needs. Featuring an aluminum airframe, the proven method that has set the industry standard for over eighty years. The aircraft is equipped with robust landing gear and a spacious cabin accommodating full-sized adults up to 6' 4", ensuring comfort and safety. The tip-up canopy, Van's canopy of choice, provides unobstructed views and uses a new hinge arrangement that allows it to open wide for easy entry and loading baggage, as well as complete access to the back of the instrument panel and avionics connections.

Performance

With a generous wing area and large slotted flaps, the RV-14 excels in short-field operations. Its lightweight airframe contributes to high cruise speeds and impressive fuel efficiency, achieving a cruising speed of 215 mph with excellent fuel economy. Designed for sport touring, it comfortably accommodates two occupants and ample baggage. The RV-14 and RV-14A can operate in the aerobatic category. The airframe structure meets the aerobatic category standards of +6/-3Gs when flown at the aerobatic gross weight of 1,900 lbs. The Up front, the 210 hp Lycoming IO-390 engine provides plenty of power under the cowl.



Kit Construction

The RV-14/RV-14A consists of five separate kits: empennage, wing, fuselage, finish kit, and firewall forward. The main airframe kits (empennage/ tail, wing, fuselage, finish kits) feature punched and formed aluminum components, ensuring a straightforward and precise assembly process. The firewall forward kit includes nearly every component necessary to install the engine and make it flight ready. You have the flexibility to order each kit individually or all at once. On average, an inexperienced builder can expect to spend between 1,300 to 1,500 hours completing an RV-14. For those looking to save time, our Quick Build kit options are available for both wing and fuselage kits, reducing your build time by 800 to 1,000 hours.

Electronics

The RV-14's electrical system is designed around three basic EFIS systems for those who want "Plug & Play" panels.

Assembly Support

Van's Aircraft provides detailed instructions and drawings that guide you step-by-step through assembling your airplane. The RV-14 instructions are exceptionally comprehensive, featuring illustrations for each task in an easy-to-understand format.

Community and Support

Building an RV-14 means joining a passionate global community of builders. Van's Aircraft provides extensive support through dedicated tech representatives and a network of experienced builders. This community offers invaluable tips, advice, and support throughout your build and beyond.