

R44 RAVEN II

The high performance R44 Raven II has a two-bladed rotor system, T-bar cyclic and is powered by Lycoming's fuel injected IO-540 engine. The IO-540 delivers better altitude performance, increased capacity, and eliminates the need for carburetor heat.

The R44's open cabin configuration provides unobstructed views from every seat. A lightweight airframe and aerodynamic fuselage optimize airspeed and fuel economy, while the aircraft's low tail-rotor tip speed, heavy duty muffler, and large cambered tail decrease flyover noise.

The Raven II has the latest in Robinson technology, including lighter weight landing gear, a streamlined instrument panel, and a new bladder fuel system.



AVIONICS

STANDARD

- Eight-hole instrument panel
- GTR 225B COM radio
- GTX 327 transponder

OPTIONAL

- Aspen Avionics Evolution Primary and Multifunction Flight Display Systems
- Garmin GTN 600/700 series touch screen navigators
- GMA 350H audio panel
- GTX 330ES (extended squitter) transponder with ADS-B Out
- GDL 88 UAT (universal access transceiver) with dual-band ADS-B In
- GTN Series Navigators are installed in Robinson's pilot-side console, minimizing head-down time.



R44 RAVEN II INSTRUMENT CONFIGURATION

Eight-hole instrument panel with Aspen Avionics EFD1000H PFD. Pilot-side console houses Garmin GTN 625 GPS (top) and GTN 635 GPS/COM (bottom).

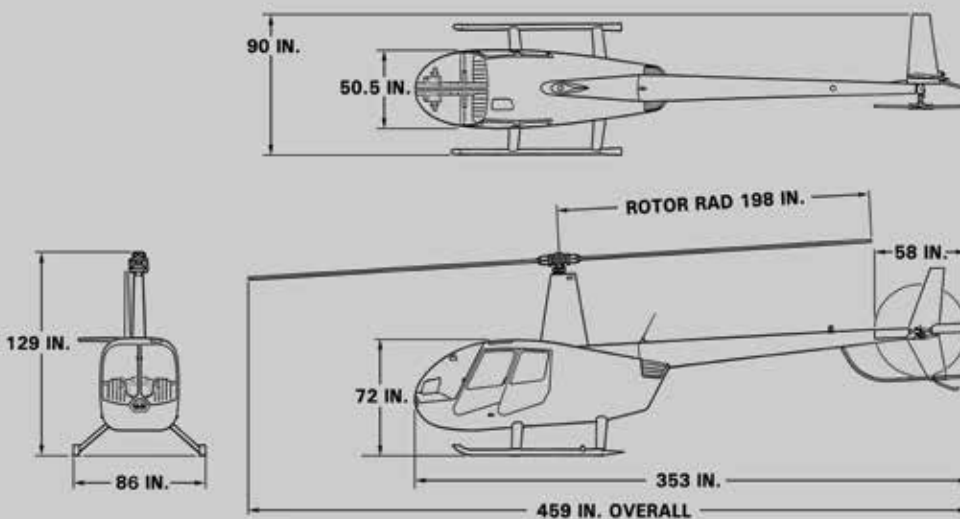


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SPECIFICATIONS

Engine Type	Lycoming IO-540, six cylinder, fuel injected
Horsepower	Derated to 245 for takeoff and 205 continuous
Maximum Gross Weight	2500 lb (1134 kg)
Approximate Empty Weight (including oil & std avionics)	1495 lb (678 kg)
Standard Fuel (29.5 gal)	177 lb (80 kg)
Auxiliary Fuel (17.0 gal)	102 lb (46 kg)
Passengers and Baggage with Standard Fuel	828 lb (376 kg)
Cruise Speed	up to 116 kts (135 mph)
Maximum Range (no reserve)	approx 300 nm (350 sm)
Hover Ceiling IGE at Gross Weight	8950 ft
Hover Ceiling OGE at 2300 lb	7500 ft
Rate of Climb	over 1000 fpm
Maximum Operating Altitude	14,000 ft
Electrical System	28 volt

DIMENSIONS



STANDARD INSTRUMENTS

- Airspeed indicator
- Altimeter (in-Hg)
- Rotor/engine dual tachometer
- Manifold pressure gage
- Vertical speed indicator
- Magnetic compass
- Cylinder head temperature gage
- Oil temperature & pressure gages
- Fuel quantity gages
- Ammeter
- Quartz clock
- Digital OAT gage/voltmeter
- Hourmeter

WARNING/CAUTION LIGHTS

- Alt low voltage
- Low fuel
- Low oil pressure
- Low rotor RPM (light and horn)
- Main gearbox temperature
- Main gearbox chip
- Tail gearbox chip
- Engine fire
- Rotor brake engaged
- Starter engaged
- Clutch actuator
- Governor off
- Full throttle

STANDARD EQUIPMENT

- LED anti-collision & navigation lights
- Dual landing lights
- Panel and map lights
- Auxiliary fuel system
- Cabin heater and defogger
- Carbon monoxide detector
- Door locks
- Floor and hand intercom switches
- Pilot-side adjustable pedals
- Tinted windscreen and windows
- Belly hardpoint
- Tow cart adapter
- Oil filter and engine oil quick drain
- Ground handling wheels
- Rotor blade tie downs
- Windshield cover
- Robinson travel bag

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