



R44[®] CADET HELICOPTER

The **R44 CADET** is a versatile two-place helicopter ideally suited for flight schools and operators that want the economy of a small helicopter but desire the comfort, power, and performance of a larger helicopter.

PROVEN RELIABILITY

The Cadet retains the same basic airframe, rotor system, and Lycoming O-540-F1B5 engine as the proven R44 Raven I except the rear seats have been removed and the aft compartment reconfigured for cargo.

BETTER PERFORMANCE

Maximum gross weight is 2200 lb. Engine power is derated to 210 hp takeoff/185 hp continuous. The lower weight and derated power provide increased performance margins at high altitudes and lengthen the time between overhaul (TBO) to 2400 hours. With a newly designed muffler, the Cadet's flyover noise is more than three decibels lower than the original R44 Raven I.

OPTIONAL EQUIPMENT

A variety of equipment including air conditioning, autopilot, and avionics packages for VFR or IFR training are available.



Six-hole instrument panel shown with optional Aspen EFD1000H, Spidertracks, and dual accessory support bars with mounts (Apple iPad and Garmin GPS not included).



Aft cargo compartment

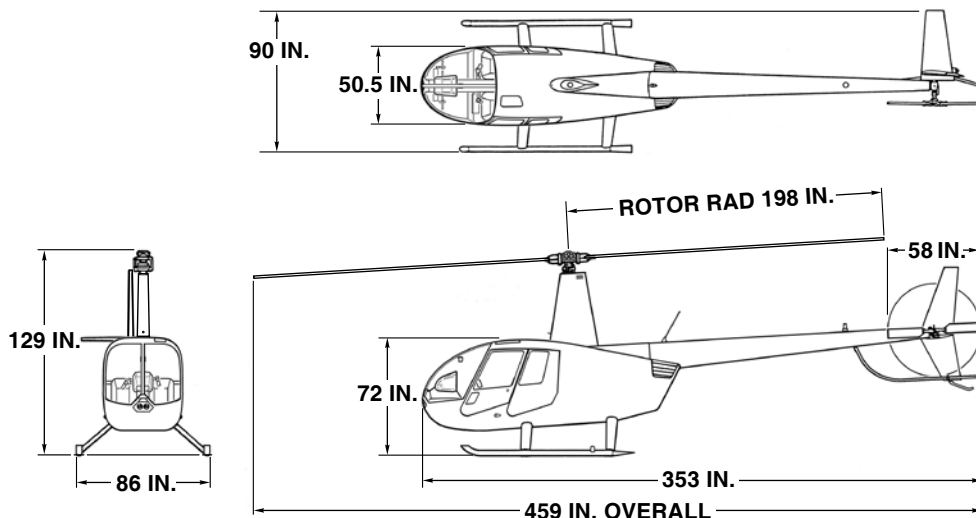


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SPECIFICATIONS

Engine	Lycoming O-540-F1B5, six cylinder, carbureted
Horsepower	Derated to 210 takeoff, 185 max continuous
Seating Capacity	2
Maximum Gross Weight	2200 lb (998 kg)
Approximate Empty Weight (including oil & std avionics)	1432 lb (650 kg)
Standard Fuel (29.5 gal)	177 lb (80 kg)
Auxiliary Fuel (17.0 gal)	102 lb (46 kg)
Pilot, Passenger and Baggage with full fuel	489 lb (222 kg)
Cruise Speed	up to 110 kts (127 mph)
Maximum Range (no reserve)	approx 300 nm (350 sm)
Hover Ceiling IGE @ 2200 lb	8750 ft
Hover Ceiling OGE @ 2200 lb	5250 ft
Rate of Climb	over 1000 fpm
Maximum Operating Altitude	14,000 ft
Electrical System	28 volt

DIMENSIONS



2901 Airport Drive • Torrance, CA • 90505 • USA
Phone: 310-539-0508 • Fax: 310-539-5198 • www.robinsonheli.com

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STANDARD AVIONICS

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

STANDARD EQUIPMENT

- Hydraulic power controls
- RPM throttle governor
- Throttle correlator
- Carburetor heat assist
- Main and auxiliary crash-worthy fuel bladder tanks
- Removable dual controls
- Engine oil filter & quick drain
- Engine muffler
- Cabin heater and defogger
- Carbon monoxide detector
- Rotor brake
- Intercom switches
- Avionics master switch
- Tinted windows
- Fabric velour seats
- Door opener, gas spring, all four doors
- 3-point shoulder harnesses
- Pilot-side adjustable pedals
- Door locks
- Sound damping headliner
- Underseat storage
- Belly hardpoint
- LED anti-collision and navigation lights
- Dual HID landing lights
- LED panel and map lights
- Tow cart adapter
- Ground handling wheels
- Rotor blade tie downs
- Windshield cover
- Robinson travel bag