

# R44 CADET & CADET WITH FLOATS



The two-seat Cadet is a versatile helicopter ideally suited for flight schools and operators that want the economy of a small helicopter without sacrificing the power and performance of a large helicopter.

The Cadet has the same airframe, rotor system and Lycoming O-540 engine as the proven R44 Raven I. The differences are the Cadet's aft compartment is reconfigured for cargo, the maximum gross weight is reduced to 2200 lb and the engine power is derated to 210 take-off and 185 continuous. The lower weight and derated power provide increased performance margins at high altitudes and extend the time between overhaul to 2400 hours.

Cadets feature streamlined instrument panels and a crashworthy fuel system.

## OPTIONS

- Leather Seats in Tan, Charcoal or Gray
- Impact Resistant Windshield
- Air Conditioning
- Garmin and Aspen Flight Displays
- Garmin and Avidyne Touchscreen Navigators
- Genesys HeliSAS Autopilot
- Garmin GMA 350Hc Audio Panel
- Bose A20 Headsets with Bluetooth



Shown with optional Garmin GDU 1060 TXi display system, Garmin GTN 750, artificial horizon, digital chronometer, Garmin GMA 350Hc audio controller, Garmin GTX 345 transponder, right and left side accessory bars, and fire extinguisher.



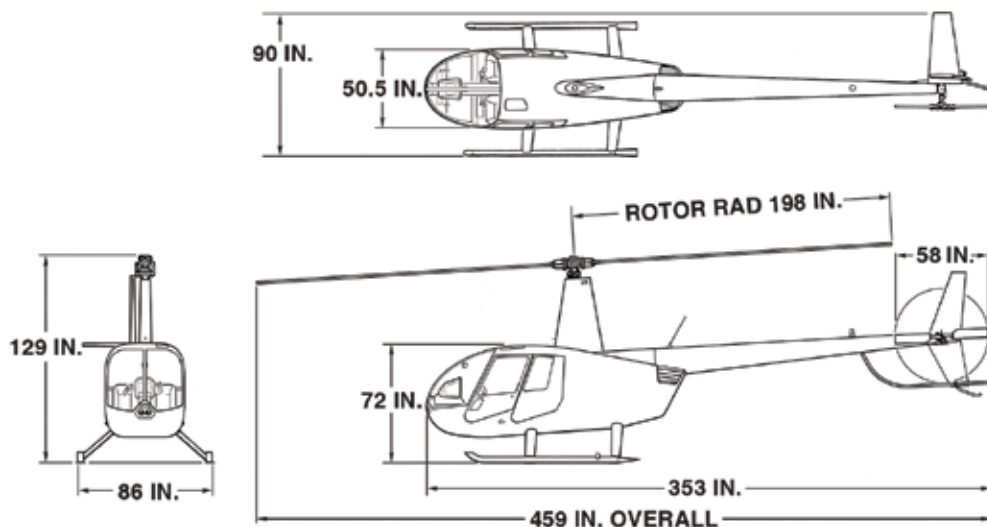
Standard 6-Hole Panel

# R44 CADET & R44 CADET WITH FLOATS

## SPECIFICATIONS

Helicopter	R44 Cadet	R44 Cadet with fixed floats
Engine	Lycoming O-540, six cylinder, carbureted	Lycoming O-540, six cylinder, carbureted
Horsepower	Derated to 210 for takeoff & 185 continuous	Derated to 210 for takeoff & 185 continuous
Maximum Gross Weight	2200 lb (998 kg)	2200 lb (998 kg)
Approximate Empty Weight (incl. oil & standard avionics)	1437 lb (652 kg)	1487 lb (674 kg)
Standard Fuel (29.5 gal)	177 lb (80 kg)	177 lb (80 kg)
Auxiliary Fuel (17.0 gal)	102 lb (46 kg)	102 lb (46 kg)
Pilot, Passenger, and Baggage (with maximum fuel)	484 lb (220 kg)	434 lb (197 kg)
Cruise Speed at Maximum Gross Weight	up to 107 kts (198 km/h)	up to 100 kts (185 km/h)
Maximum Range (no reserve)	approx 300 nm (550 km)	approx 300 nm (550 km)
Hover Ceiling IGE at Maximum Gross Weight	8750 ft @ 2200 lb	8750 ft @ 2200 lb
Hover Ceiling OGE at Maximum Gross Weight	5250 ft @ 2200 lb	5250 ft @ 2200 lb
Rate of Climb	over 1000 fpm	over 1000 fpm
Maximum Operating Altitude	14,000 ft	14,000 ft
Electrical System	28 volt	28 volt

## DIMENSIONS



## STANDARD AVIONICS

- Six-hole instrument panel
- Garmin GTR 225B COM radio
- Garmin GTX 335 transponder with ADS-B Out

## STANDARD INSTRUMENTS

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

## STANDARD EQUIPMENT

- Hydraulically boosted controls
- RPM governor
- Throttle correlator
- Carburetor heat assist
- Engine overspeed protection during starting
- Crashworthy fuel system with bladder tanks
- Engine oil filter and quick drain
- Cabin heater and defogger
- Carbon monoxide detector
- Rotor brake
- Intercom switches
- Avionics master switch
- Tinted windows
- Fabric velour seats
- Three-point shoulder harnesses
- Pilot-side adjustable pedals
- Sound damping headliner
- Underseat storage compartments
- 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
- Travel bag

## ROBINSON HELICOPTER COMPANY

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