# R CADET WHH FLOAIS 



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 has been 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 lengthen the time between overhaul to 2400 hours.

Cadets feature the latest in Robinson technology including streamlined instrument panels and crashworthy bladder fuel tanks.

## OPTIONS

## - Air Conditioning

- Leather Seats in Tan, Charcoal or Gray
- Garmin and Aspen Primary and Multifunction Flight Displays
- Garmin GTN 600/700 Series Touchscreen Navigators
- Genesys HeliSAS Autopilot
- Garmin ADS-B Compliant Transponders
- Garmin GMA 350Hc Audio Panel
- Bose A20 Headsets with Bluetooth


Standard Panel

# P 4 CADE CADET WITH FLOATS 

## SPECIFICATIONS

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

## DIMENSIONS



## STANDARD AVIONICS

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


## 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
- Carburetor temperature gage
- Digital clock
- Digital OAT gage/voltmeter
- Hourmeter


## STANDARD EQUIPMENT

- Hydraulic power controls
- RPM throttle governor
- Throttle correlator
- Carburetor heat assist
- Main and auxiliary crashworthy fuel bladder tanks
- Removable dual controls
- Engine oil filter and 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
- Travel bag

