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 extend the time between overhaul to 2400 hours.

Cadets feature streamlined instrument panels and crashworthy fuel bladders.

OPTIONS

• Leather Seats in Tan, Charcoal or Gray
• 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
## R44 Cadet & Cadet with Floats

### Specifications

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

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

### 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
- Hydraulic power controls
- RPM throttle governor
- Throttle correlator
- Carburetor heat assist
- Main and auxiliary crashworthy fuel bladder tanks
- 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
- 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

---

**R44 Cadet & Cadet with Floats**

**Dimensions**

![Diagram of R44 Helicopter]