

# R44 RAVEN II & CLIPPER II



Four-seat R44 Raven II and Clipper II helicopters are high performing, reliable and easy to maintain. R44s have a two-bladed rotor system, T-bar cyclic, streamlined instrument panels, and a crashworthy fuel system.

An aluminum monocoque and powder-coated steel tube structure provides a light weight yet robust airframe while the aerodynamic fuselage optimizes airspeed and fuel economy. Hydraulically boosted controls eliminate cyclic and collective feedback forces and provide responsive handling. A low tail-rotor tip speed and large cambered tail reduce flyover noise.

Raven II and Clipper II helicopters are powered by Lycoming's IO-540 fuel injected engine. The IO-540 delivers improved altitude performance, increased payload and eliminates the need for carburetor heat.

## 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
- Bose A20 Headsets with Bluetooth



Panel shown with optional Garmin GDU 700L TXi Display System, Garmin GTN 650, Genesys HeliSAS Autopilot, Garmin GTX 345 transponder, and right side accessory bar.



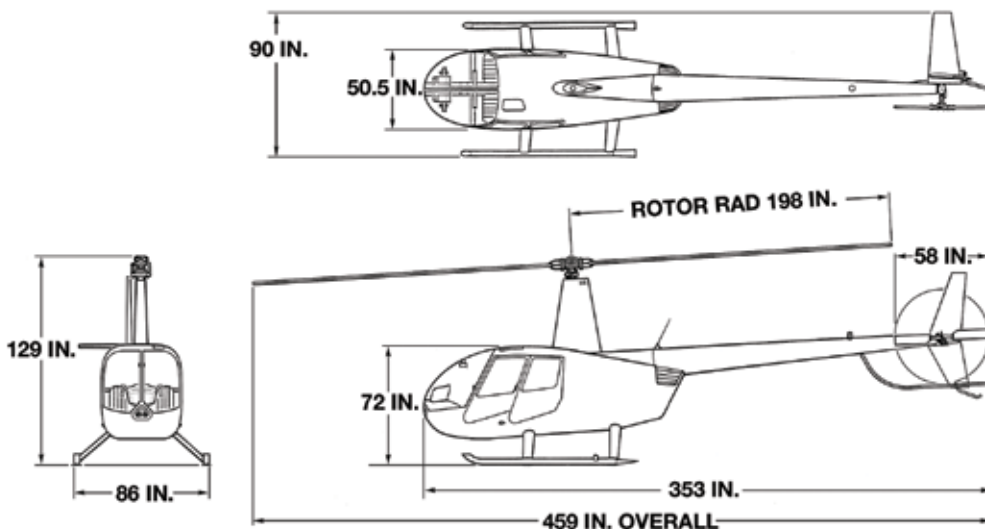
Standard 8-Hole Panel shown with optional artificial horizon and dual Garmin GTR 225 COMs

# R44 RAVEN II & CLIPPER II

## SPECIFICATIONS

| Helicopter   | Raven II                                      | Clipper II with pop-out floats                |
|--|---|---|
| Engine   | Lycoming IO-540, six cylinder, fuel injected  | Lycoming IO-540, six cylinder, fuel injected  |
| Horsepower   | Derated to 245 for takeoff and 205 continuous | Derated to 245 for takeoff and 205 continuous |
| Maximum Gross Weight                                     | 2500 lb (1134 kg)                             | 2500 lb (1134 kg)                             |
| Approximate Empty Weight (incl. oil & standard avionics) | 1505 lb (683 kg)                              | 1570 lb (712 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, Passengers, and Baggage (with standard fuel)      | 818 lb (371 kg)                               | 753 lb (342 kg)                               |
| Cruise Speed at Maximum Gross Weight                     | up to 109 kts (202 km/h)                      | up to 106 kts (196 km/h)                      |
| Maximum Range (no reserve)                               | approx 300 nm (550 km)                        | approx 300 nm (550 km)                        |
| Hover Ceiling IGE  | 8950 ft @ 2500 lb                             | 8950 ft @ 2500 lb                             |
| Hover Ceiling OGE  | 7500 ft @ 2300 lb                             | 7500 ft @ 2300 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

- Eight-hole instrument panel
- Garmin GMA 350Hc audio panel
- Garmin GTR 225B COM radio
- Garmin GTX 335 transponder with ADS-B Out
- Four-place intercom system compatible with standard and Bose stereo headsets

## STANDARD INSTRUMENTS

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

## STANDARD EQUIPMENT

- Hydraulically boosted controls
- RPM governor
- Throttle correlator
- 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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