

# R44 RAVEN I & CLIPPER I



Four-seat R44 Raven I and Clipper I 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 I and Clipper I helicopters are powered by Lycoming's O-540 carbureted engine with carburetor heat assist that automatically adjusts carburetor heat enhancing safety and reducing pilot workload.

## OPTIONS

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



Optional 8-Hole Panel shown with optional Aspen EFD 1000H PFD, turn coordinator, digital clock, GMA 350Hc audio controller, Garmin GTN 750 in pilot-side-console, and left side accessory bar.



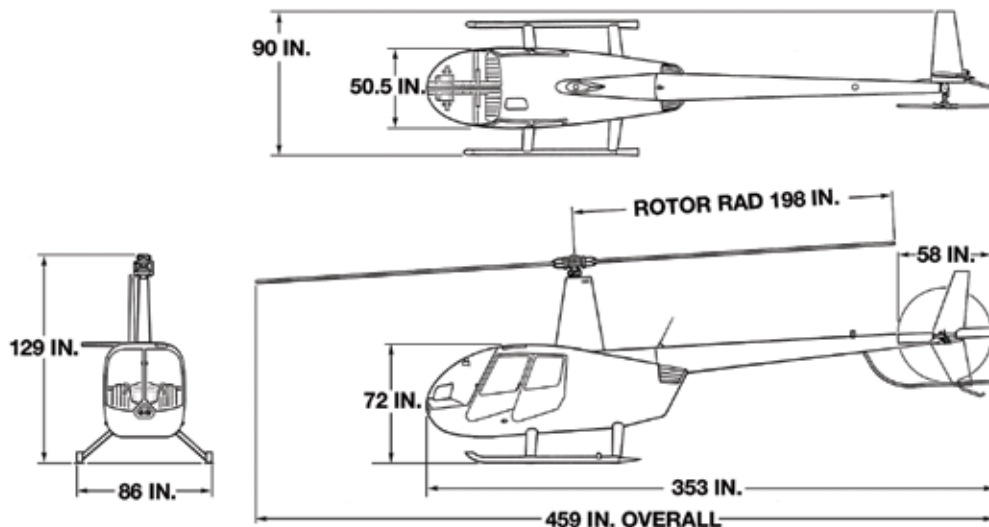
Standard 6-Hole Panel

# R44 RAVEN I & CLIPPER I

## SPECIFICATIONS

Helicopter	Raven I	Clipper I with fixed floats
Engine	Lycoming O-540, six cylinder, carbureted	Lycoming O-540, six cylinder, carbureted
Horsepower	Derated to 225 for takeoff and 205 continuous	Derated to 225 for takeoff and 205 continuous
Maximum Gross Weight	2400 lb (1089 kg)	2400 lb (1089 kg)
Approximate Empty Weight (incl. oil & standard avionics)	1450 lb (658 kg)	1500 lb (680 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)	773 lb (351 kg)	723 lb (328 kg)
Cruise Speed at Maximum Gross Weight	up to 108 kts (200 km/h)	up to 101 kts (187 km/h)
Maximum Range (no reserve)	approx 300 nm (550 km)	approx 300 nm (550 km)
Hover Ceiling IGE	6400 ft @ 2400 lb	6400 ft @ 2400 lb
Hover Ceiling OGE	4000 ft @ 2300 lb	4000 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

- 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 and 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

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