

R66 NEWSCOPTER



Shown with larger optional gimbal installed

The four-place R66 Turbine Newscopter is an economical, turn-key ready aerial platform featuring the latest in ENG (electronic news gathering) technology.

The standard R66 ENG package includes a gyro stabilized gimbal that houses an Ikegami HDL-F30 HD camera equipped with Canon's 22 to 1 HD lens. Also included are three HD micro cameras; two in the cabin for recording passengers, and a third mounted on the tail.

Seven-inch monitors on both sides of the front console display crisp HD images. Geneva digital audio controllers beneath each monitor allow for independent monitoring and transmitting. In the aft compartment, camera images display on a 10-inch HD monitor with controls located in the center console and laptop console.

Other features include video switcher, digital video recorder with OLED display, three FM two-way radios, Nucomm ChannelMaster Lite microwave digital transmitter, Peak 13.5 dB directional microwave pod and TV tuner provisions.

OPTIONS

- Larger gimbal with Canon's 40 to 1 lens
- Ikegami's F31 HD camera
- GPS position data modem
- Multi-band scanner
- AM/FM receiver
- Provisions for a second TV tuner with aft TV Logic monitor



Forward cabin shown with Garmin G500H PFD/MFD, Genesys HeliSAS Autopilot, Garmin GTX 225A, Garmin GTX 335, Boland monitors, Geneva digital audio controllers, and optional Garmin GTN 750.



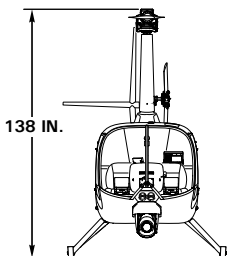
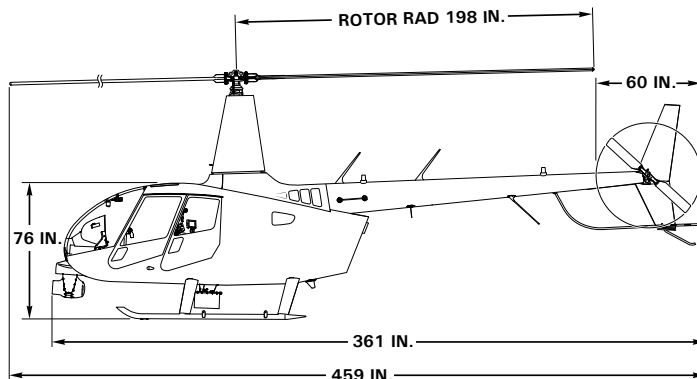
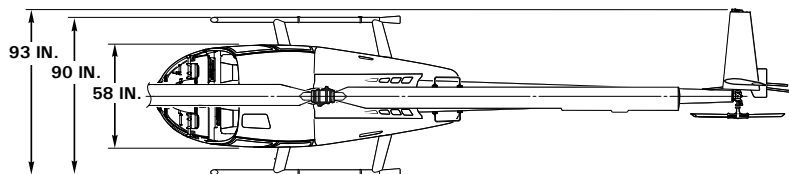
Aft centralized ENG workstation

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SPECIFICATIONS

Engine	Rolls Royce RR300 turbine
Horsepower	300 shp turboshaft; derated to 270 shp for takeoff and 224 shp continuous
Maximum Gross Weight	2700 lb (1225 kg)
Approximate Empty Weight (including oil, avionics and standard ENG package)	1469 lb (666 kg)
Fuel Capacity (73.6 gal)	493 lb (224 kg)
Pilot, Passengers and Cargo with Standard Fuel	738 lb (335 kg)
Cruise Speed at Maximum Gross Weight	up to 110 kts (127 mph)
Hover Ceiling IGE at Max. Gross Weight	over 10,000 ft
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Rate of Climb	over 1000 fpm
Maximum Operating Altitude	14,000 ft
Electrical System	28 volt

DIMENSIONS



STANDARD AVIONICS

- G500H PFD/MFD
- GTR 225A COM radio
- GTX 335 Transponder
- GTN 650 Navigator

STANDARD INSTRUMENTS

- Airspeed indicator
- Altimeter
- Rotor/engine dual tachometer
- Vertical speed indicator
- Magnetic compass
- Torque meter
- N1 tachometer
- MGT gage
- Oil temp and pressure gages
- Fuel gage
- Ammeter
- Digital OAT gage/voltmeter
- Hourmeters
- Quartz clock

STANDARD EQUIPMENT

- Hydraulic power controls
- Bladder fuel tank
- Integrated oil filter with bypass indicator
- Engine air filter with bypass indicator
- Main gearbox oil filter
- 160 amp starter generator
- Engine compressor rinse nozzle
- Electronic engine monitoring unit (EMU)
- Engine anti-ice system
- Cabin heater and defogger
- Rotor brake
- Intercom switches
- Avionics master switch
- Tinted windows
- Leather seats
- 3-point shoulder harnesses
- Pilot-side adjustable pedals
- Door locks
- Belly hardpoint
- LED anti-collision and navigation lights
- Dual HID landing lights
- LED panel and map lights
- Ground handling wheels
- Rotor blade tie-downs
- Windshield cover
- Travel bag

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