

# R66

HELICOPTERS

*The preferred aircraft for operators requiring a multi-purpose helicopter. The R66 delivers performance day in and day out.*



## R66 TURBINE / R66 MARINE

The R66 proves itself on a daily basis delivering exceptional reliability, economy, and performance to operators all over the world. R66s have a 2+3 configuration, dedicated baggage compartment, two-bladed rotor system, and T-bar cyclic. Hydraulically boosted controls provide responsive handling by eliminating cyclic and collective feedback forces.

Powered by the lightweight and powerful Rolls Royce RR300 turbine engine, the R66 delivers

increased reserve power, additional payload and improved altitude performance.

R66 Marines include extra corrosion protection and are equipped with pop-out floats for over-water operations.

R66s meet the FAA's current crashworthiness regulations with energy absorbing seats and a crashworthy fuel system.

	R66 Turbine	R66 Turbine Marine
Engine	Rolls Royce RR300 turbine	Rolls Royce RR300 turbine
Horsepower	300 shp turboshaft; derated to 270 shp for takeoff and 224 shp continuous	300 shp turboshaft; derated to 270 shp for takeoff and 224 shp continuous
Max. Gross Weight	2700 lb (1225 kg)	2700 lb (1225 kg)
Approximate Empty Weight (including oil & std avionics)	1290 lb (585 kg)	1355 lb (615 kg)
Fuel Capacity (73.6 gal)	493 lb (224 kg)	493 lb (224 kg)
Pilot, Passengers, and Baggage (with max. fuel)	917 lb (416 kg)	852 lb (386 kg)
Cruise Speed at Max. Gross Weight	up to 110 kts (204 km/h)	up to 110 kts (204 km/h)
Max. Range (no reserve)	approx 350 nm (650 km)	approx 350 nm (650 km)
Hover Ceiling IGE at Max. Gross Weight	over 10,000 ft	over 10,000 ft
Hover Ceiling OGE at Max. Gross Weight	over 10,000 ft	over 10,000 ft
Rate of Climb	over 1000 fpm	over 1000 fpm
Maximum Operating Altitude	14,000 ft	14,000 ft
Electrical System	28 volt	28 volt

## SERVICE & TIME BETWEEN OVERHAUL (TBO)

No scheduled maintenance is required between 100-hour inspections. R66 helicopters have TBOs of 2000 hours or 12 years for the airframe, and 2000 hours or 3000 start cycles for the engine whichever occurs first. All life limited components have approved service lives of at least 2000 hours.

## WARRANTY

R66s come with a two-year or 1000-hour limited aircraft warranty.

## ROBINSON HELICOPTER COMPANY

At its state-of-the-art facility, located in Torrance, California, Robinson manufactures, assembles, inspects, and flight tests all of its helicopters.

To ensure the highest quality and to maximize efficiency, the company employs a highly skilled workforce and manufactures a large percentage of parts in-house. To date, Robinson Helicopter Company, along with its dealer network, has delivered over 13,000 aircraft.



## WORLDWIDE SUPPORT

Robinson's worldwide network of Dealers and Service Centers with factory-trained technicians support an ever expanding fleet of Robinson aircraft operating in a multitude of environments.

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