ROTORWAY EXEC 162F Model Guide

ROTORWAY EXEC 162F is a piston-engine, amateur-built helicopter from RotorWay International. It has a FADEC engine control system and a chain-and-belt drive train. Its handbook sets a 1500 lbs maximum gross weight and a 100 knot maximum airspeed. Buyers should focus on belts, the secondary shaft, the rear landing gear and bulletin compliance.

KEY TAKEAWAYS

- Max gross weight is 1500 lbs (680 kg) and max cabin weight is 425 lbs. Solo pilots must weigh at least 150 lbs and fly from the left seat.
- Max airspeed is 100 knots at sea level on a standard day. Reduce IAS 2 MPH per 1000 ft of density altitude. In turbulence the limit is 65 knots.
- Fuel must be minimum 92 octane auto fuel or 100 low lead AV gas (100LL).
- Check drive belts, tail rotor belts and the secondary shaft closely. The factory issued mandatory bulletins M-09 through M-22.

LIMITS AND LOADING

Max gross weight is 1500 lbs and max cabin weight is 425 lbs. The pilot in command sets per-seat weight using the Section 6 charts. Do not fly if fore-aft or lateral CG is out of limits. The cyclic should stay within the 6-inch control area in a hover.

AIRFRAME AND LANDING GEAR CHECKS

About 80% of aircraft weight sits on the rear gear. Replace the gear if the inside distance between the rear shoes exceeds 62 inches. Keep the engine mount rubber ring free of oil and grease (50 HR inspection). Replace a skid tube with a flat wear area wider than 1/2 inch.

BELTS AND SECONDARY SHAFT

Tail rotor belt tension is 1-3/8 inch ± 1/8 inch at 10 lbs on the tension tool. Temperature strips at 170° F mean slipping. At 180° F or higher, replace the belts. Bulletin A-26 calls for a secondary shaft keyway inspection every 100 hours and upgrading three-bearing secondary units to two bearings.

PERFORMANCE

Max Airspeed Kts	100
Max Turbulent Airspeed Kts	65
Max Sideways Rearward Airspeed Kts	17

WEIGHT & BALANCE

Max Gross Weight Lbs	1500
Max Cabin Weight Lbs	425
Min Solo Pilot Weight Lbs	150

SAFETY NOTES

- Do not fly if full range of all flight controls is not possible, or if fore-aft or lateral CG is outside limits.
- Engine RPM must not exceed 2400 until coolant reaches 160° F and the thermostat opens. Higher RPM can damage the cooling system.
- A slipping belt can cause loss of power to both the main drive and the tail rotor drive. Replace belts that have run hot or been covered with oil.

AI-aggregated guide for the ROTORWAY EXEC 162F · sources: EXEC 162F PILOT OPERATING HANDBOOK (#100414) · Exec 162F Construction Manual (#100415) · Advisory Bulletin A-26 (#101234) · Exec 162F Maintenance Manual (#100737) · generated 2026-10-19 · Reference only, not for flight. Check the original documents before relying on this guide.