



500E PRODUCT SHEET

Law Enforcement | VIP/Commercial | Utility

A reliable and powerful rotorcraft, the MD 500E delivers an unparalleled combination of power, agility, and versatility for a vast range of parapublic, law enforcement, commercial, VIP, and utility operations. The slim, lightweight design provides increased visibility and superior crashworthiness while working with the five-blade fully articulated rotor system to deliver superior maneuverability, especially in confined areas.

Stable and reliable four-seat helicopter featuring unmatched agility, performance, and versatility with low acquisition and direct operating costs.

Hydraulic-free design eliminates risk of hydraulic failure, lowers operating costs, and reduces flight control forces.





MD500E KEY FEATURES AND BENEFITS

Unmatched responsiveness, agility, and reliability make the MD 500E an ideal multi-mission aircraft platform. The aircraft delivers high speed, payload, and productivity with low direct operating costs. Unparalleled visibility provides exceptional situational awareness while the sleek glass cockpit reduces pilot workload.

- Choice of 450-shp Rolls-Royce 250-C20R or 420-shp Rolls-Royce 250-C20B Turbine Engine
- 420-shp Drive System (Rated Power)
- Five-Blade Fully Articulated Main Rotor
- Four-Place Seating Capacity
- Flat Cargo Floor
- Superior Outward and Downward Visibility
- Dual Screen Garmin Avionics Flight Deck
- Dual Howell Instruments Displays
- Hydraulics-Free Mechanical Controls
- Crashworthy A-Frame Truss w/Integral Crew Seats
- Fail-Safe Static Rotor Mast
- Crash-Resistant Elastomeric Fuel Cells
- Low Acquisition and Operating Costs

MD500E SPECIFICATIONS

Maximum Cruise Speed	Sea Level	135 kt./249kph.
Maximum Range	1,524 m. (5,000 ft.)	280 nm. / 518 km.
Maximum Rate of Climb	Sea Level, Standard Day	1,770 ft. /min.
Maximum Operating Altitude	Density Altitude	16,000 ft. / 4,876 m.
Maximum Gross Weight	Normal Capacity	3,000 lbs. / 1,361 kg.
MD 500E Useful Load	Internal Load	1,379 lbs. / 625 kg.
Main Fuel Tank	57.3-gallon (217 liter)	388 lbs. / 175 kg.
HIGE	ISA +20C Day	6,900 ft. / 2,103 m.
HOGE	ISA +20C Day	4,100 ft. / 1,250 m.

MD500E DIMENSIONS

Ground to Rotor Height	8.65 ft. (2.64 m)	Fuselage Width	4.57 ft. (1.40 m)
Ground to Fuselage Bottom Height	1.77 ft. (0.54 m)	Fuselage Length	23.88 ft. (7.28 m)
Main Rotor Diameter	26.40 ft. (8.05 m)	Horizontal Stabilizer Width	5.43 ft. (1.66 m)
Tail Rotor Diameter	4.58 ft. (1.40 m)	Landing Skid Width	6.45 ft. (1.97 m)

THE MD DIFFERENCE

Trusted by operators worldwide, the unmatched agility, reliability and performance of MD Helicopters' highly versatile light rotorcraft makes them the choice of hundreds of law enforcement, military, private, and commercial customers. Extensive experience supporting a hard-working global fleet with OEM-quality parts and highly responsive, expert technical advice and training helps ensure that MD operators maintain superior operational readiness.

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