

EXPLORER

HIGH PERFORMANCE. HIGH TECHNOLOGY.
A HIGHER STANDARD.




HELICOPTERS

What do seasoned pilots and successful operators look for in a helicopter? An international helicopter industry advisory board pooled its expertise to guide the design and development of a multipurpose twin-engine helicopter.



It would set new standards in performance, affordability, dependability and safety. The result: the **MD Explorer®**. Conceived, designed and built for superior performance in the most demanding environments. And now, this benchmark aircraft is better than ever.



EXPLORER

CAPABLE. VERSATILE.

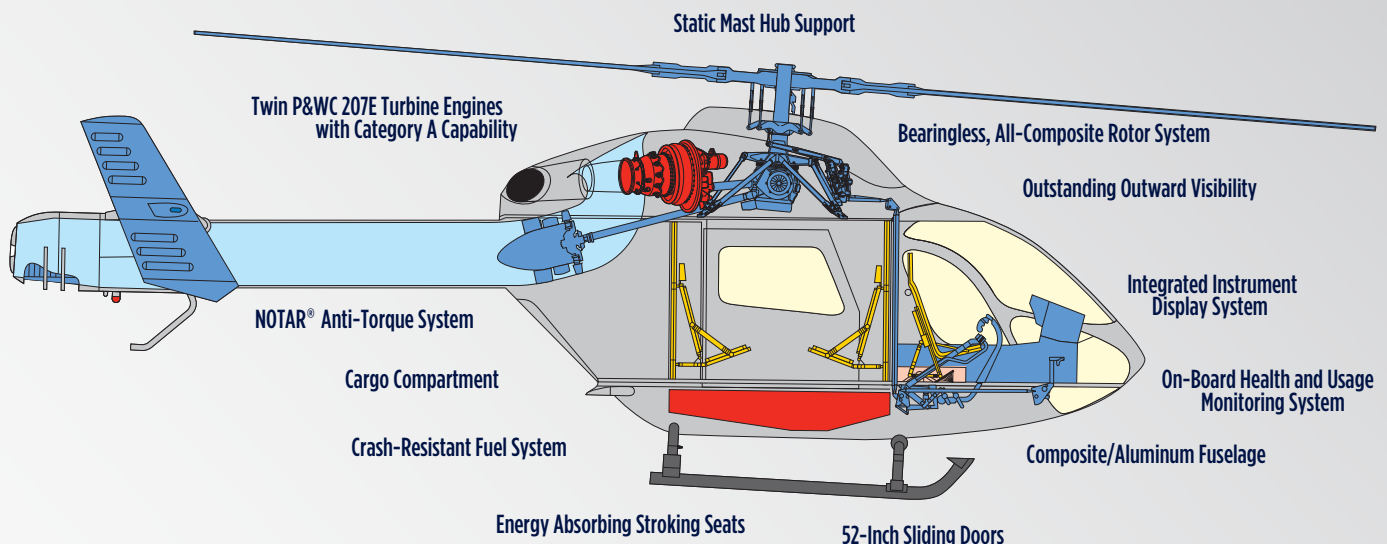
When operators in every market segment – air medical, law enforcement, search and rescue, electronic news gathering, executive transport, offshore and utility – look for an aircraft with high performance coupled with low direct operating costs, the MD Explorer rises above the rest.

With the largest functional cabin in the light-twin category, the MD Explorer allows you the flexibility to configure the aircraft for your specific mission requirements. The flat floor of the passenger cabin is accessible through 52-inch sliding doors – the widest in class – with more useful unobstructed space than any other helicopter in its class.

In executive configuration, there is space for six. Seats are plush and comfortable with airline standard seat width, and are built on energy-absorbing frames for an extra margin of safety. Air medical configurations allow for one or two litter patients plus equipment and attendants. Add a 600-pound-capable rescue hoist and your MD Explorer becomes the perfect helicopter for search and rescue operations. Law enforcement agencies have plenty of room for advanced radios, infrared sensor equipment, searchlights and video camera systems.

Built-in Safety.

Safety has been integrated into the MD Explorer from the start. The aircraft is engineered for occupant safety and crash worthiness for impacts up to 30Gs at 30-feet-per-second. No other light or medium-twin helicopter even comes close to that capability.



MD COMMITMENT

The MD Fuel cells are rupture resistant. Extra fire retardant materials have been installed between the engine and passenger compartments. The composite skin of the aircraft is embedded with a material that absorbs and disbursts energy from lightning strikes. In addition, the aircraft is hardened against High Intensity Electromagnetic Radiation Frequency Fields (HIRF).

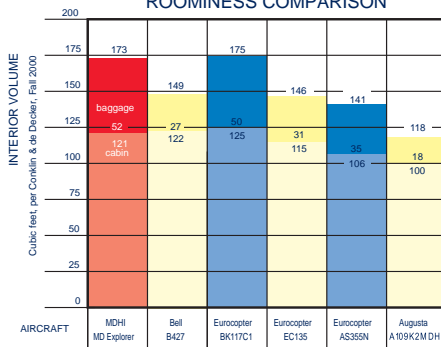
The most extraordinary safety feature of the MD Explorer is MD Helicopters' exclusive NOTAR® system. The traditional tail rotor design has been replaced by a fan-driven system that uses low pressure air through the tailboom for anti-torque and directional control. An independent safety study has shown that 21 percent of all helicopter accidents are related to tail rotor failure

or impact with an external object. On the MD Explorer, there is no tail rotor to impact with trees or bushes in tight landing situations. This feature also adds a significant margin of safety for ground personnel, particularly in confined landing areas.

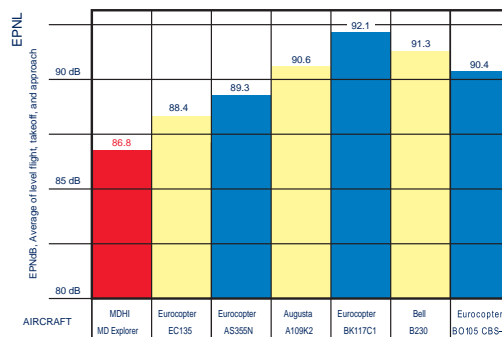
Performing with Style.

Beyond its sleek aerodynamic lines, the performance parameters of the MD Explorer have been enhanced, enabling greater operating capability at maximum internal weight for hover, speed, and maneuverability in all wind directions.

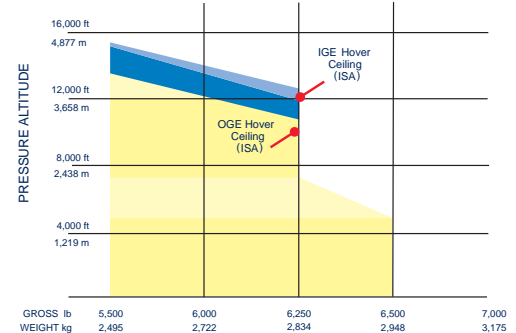
ROOMINESS COMPARISON



NOISE COMPARISON



IGE/OGE HOVER CEILINGS



MD SAFETY

Powered by two reliable Pratt & Whitney Canada 207E engines with 720 shaft horsepower per engine, the MD Explorer has the highest payload in the light-twin class. With a maximum gross weight of 6,500 pounds (2,948 kg), it has plenty of power for take-off and landing on elevated platforms. Its Category A rating allows it to continue take off on a single engine if necessary. The NOTAR system also makes the MD Explorer the quietest helicopter in its class – an added benefit much appreciated by neighbors in urban areas. The system also reduces pilot workload and provides exceptionally smooth flight.

The MD Explorer was the first light-twin helicopter certified by the FAA and Europe's JAA for Category A Instrument Flight Rule (IFR) operations. The standard Integrated

Instrument Display System (IIDS) can be augmented with auto-pilot and Electronic Flight Information Systems (EFIS) from Honeywell. Weather radar, Night Vision Goggles (NVGs) and infrared sensors are also available.

An Operator's Dream.

For all its class-leading performance, innovation and features, the MD Explorer also is inexpensive to operate. According to comparative cost data from aviation industry analyst Conklin & de Decker, the MD Explorer is among the lowest in direct operating cost in its class. The MD Explorer has proven its reliability in more than 12 years of service and more than 300,000 flight hours. Because there is no tail rotor, there are fewer parts to service; including the tail rotor drive shaft, couplings, tail rotor transmission, and spinning blades.

SPECS

Max Gross Weight: Internal	6,500 lb	2,948 kg
Max Gross Weight: External	6,900 lb	3,130 kg
Useful Load	3,125 lb	1,417 kg
Hover-In Ground Effect*	10,650 ft	3,246 m
Hover-Out Ground Effect*	8,780 ft	2,676 m
Maximum Cruise Speed*	132 kt	245 kph
Range*	328 nm	608 km

*Standard Day @ 5,000 ft MSL w/31 gallon auxiliary fuel tank installed.
NOTE: Take-off and landing limited to 5,000 ft HIGE @ 6,500 lb.



MD SUPPORT

The MD Explorer also was designed with the maintainer in mind. A built-in Health and Usage Monitoring System (HUMS) enables technicians to download engine and flight data whenever necessary. The transmission may be removed without displacing the rotor hub or rotor blades. The MD Explorer features built-in maintenance steps and platforms. Its composite airframe is resistant to corrosion in a hostile marine environment. Helicopter pilots and operators demand the best. With performance, versatility, space, safety, and efficiency, the new MD Explorer delivers.

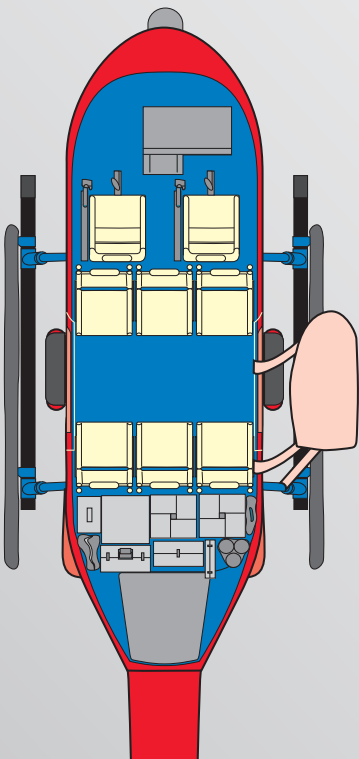
The MD Commitment:

Customer-Focused Support and Services.

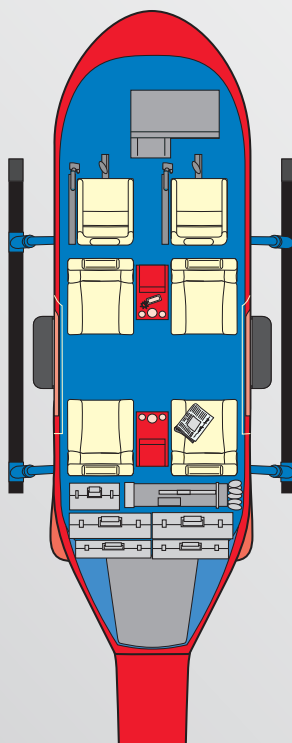
MD Helicopters, Inc. has built a reputation for the extraordinary design and exceptional performance of our aircraft. Equally important is our dedication to customer support. Replacement parts and technical service are a call or click away.

At MD Helicopters, our long-term success will be built upon our passion for superior products, innovative thought and operational processes that are focused on the needs of our customers.

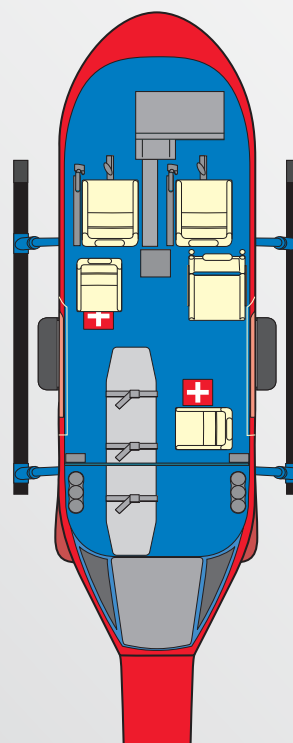
OFFSHORE/SEA PILOT TRANSFER



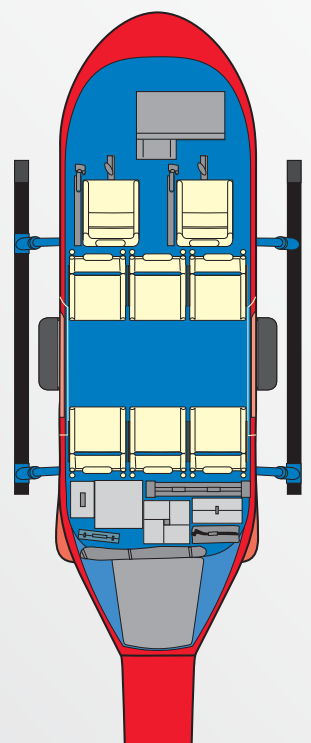
CORPORATE



AIR MEDICAL SERVICES



STANDARD



**MISSION PROVEN.
CHALLENGE READY.**



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