

GE Marine

GE38 turboshaft engine

modern design for the ship-to-shore connector



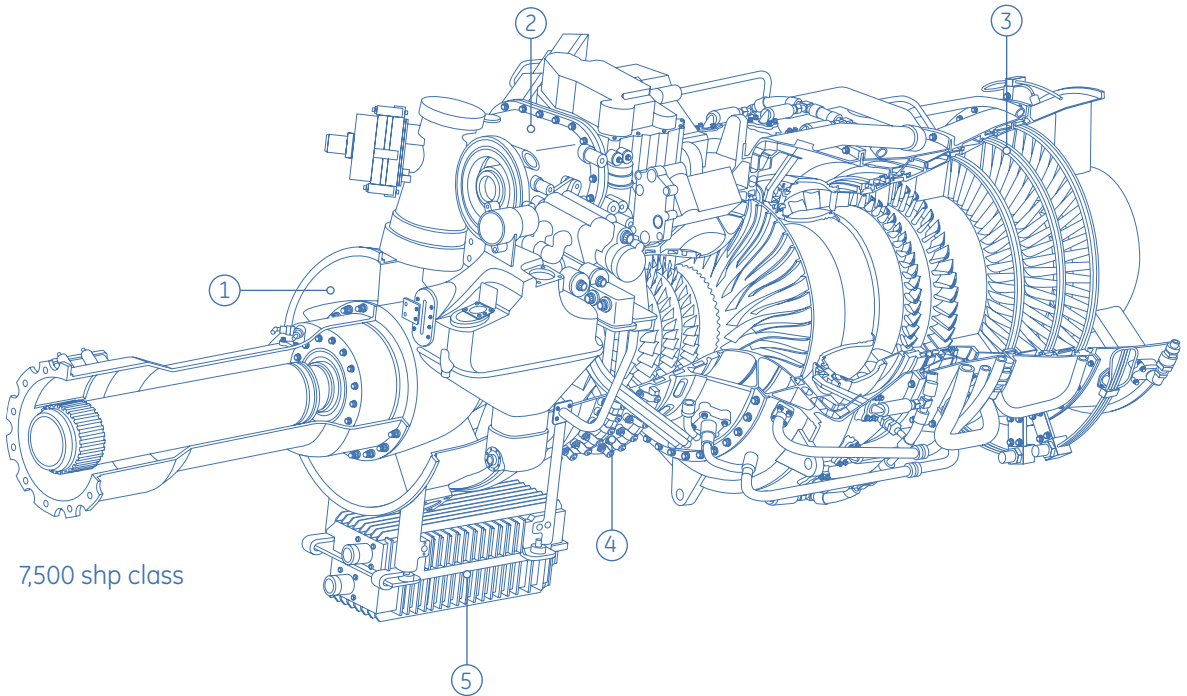
modern technology, expanded capability

The GE38 is designed to be the most technologically advanced turboshaft engine in its class. GE Marine's strong commitment to technology investment and dedication to understanding customer requirements has resulted in an engine with superior benefits. Compared to its predecessor, the GE38 provides:

- 57 percent more power
- 18 percent better specific fuel consumption (SFC)
- 63 percent fewer parts

In addition, this technology infusion minimizes the engine footprint by eliminating several pieces of support equipment and reduces operating and support costs by remaining installed longer.

dependable operation in the harsh SSC environment

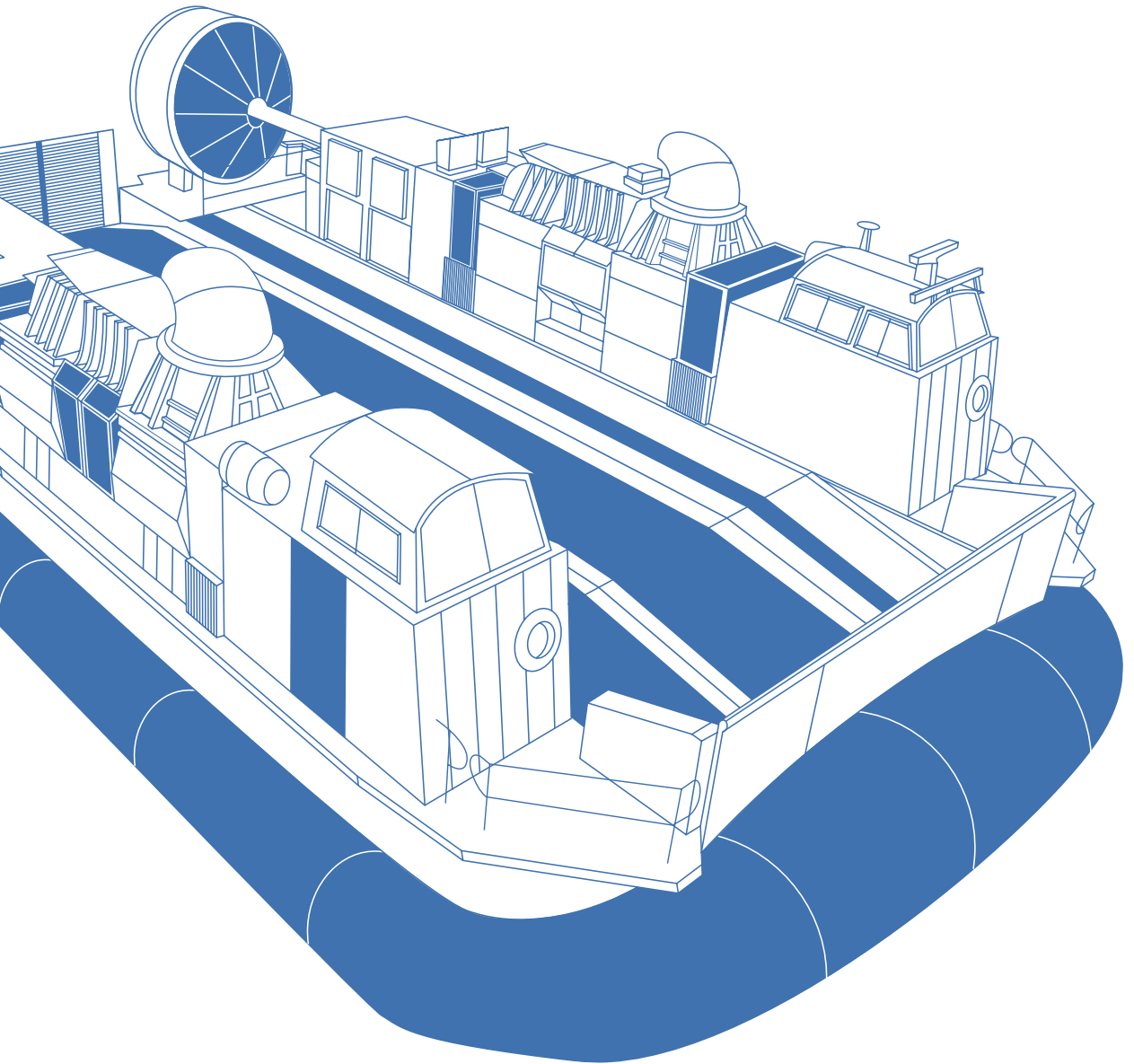


- ① Corrosion-resistant materials throughout the engine to operate in the marine environment
- ② Modular engine with sealed oil sumps and accessible gearbox for ease of field maintenance
- ③ Modern turbine aerodynamics, materials and cooling schemes for durability and efficiency
- ④ Rugged compressor with split casing and erosion coating to increase repair intervals
- ⑤ Engine-mounted FADEC with prognostics and health management to improve performance and reduce maintenance cost

corrosion- and erosion-resistant design with room for growth

Offering configuration commonality with the engine selected to power the Sikorsky CH-53K, the GE38 provides a proven combination of best-in-class SFC and rugged design to meet the demanding ship-to-shore mission profile, with inherent design capability to increase power to meet future mission requirements.

Equipped with sand-tolerant and corrosion-resistant features to deliver reliable power in the harshest conditions, the GE38 is supported by maintenance commonality and training interchangeability developed for the -53K, minimizing operating and support costs through a smaller footprint.





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