

ENGINE SPECIFICATION

ENGINE MODEL	MR 504 LW3
CYLINDERS	4
BORE X STROKE (mm)	83 x 92
DISPLACEMENT (L)	2.0
MAX. POWER MHP (kW) @ rpm	40 (29.4) @ 3000
MAX TORQUE Nm (kgm) @ rpm	150 (15.3) @ 1400
LENGTH (mm)	802
WIDTH in (mm)	720
HEIGHT in (mm)	757
WEIGHT (kg)	270
INJECTION	Direct Injection Common Rail
COOLING SYSTEM	Water
INTAKE SYSTEM	Turbocharged (FGT) and Intercooled
EMISSIONS	RCD 2

MR 504 LW3
40 MHP


The MR504LW3 is a 2.0-litre, 4-cylinder engine designed to be lightweight and compact, delivering consistent performance and reliability in all operating conditions.

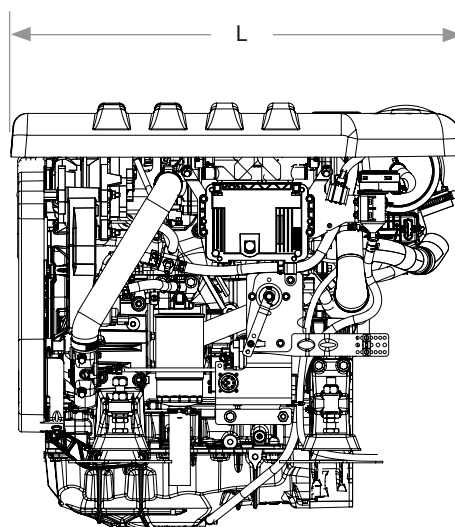
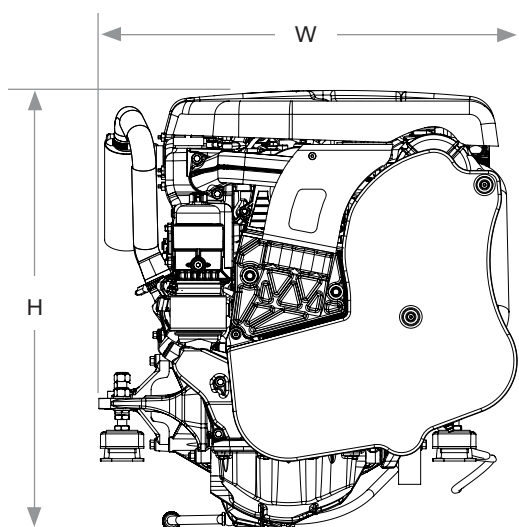
It features a 1600-bar common rail injection system for efficiency and precision, a single overhead camshaft driven by a toothed belt with balance shafts to reduce vibrations, four valves per cylinder, and a fixed-geometry turbocharger (FGT) to optimise combustion.

Cooling is provided by a freshwater-seawater heat exchanger with separate circuits and a removable tubestack, a solution that simplifies maintenance operations.

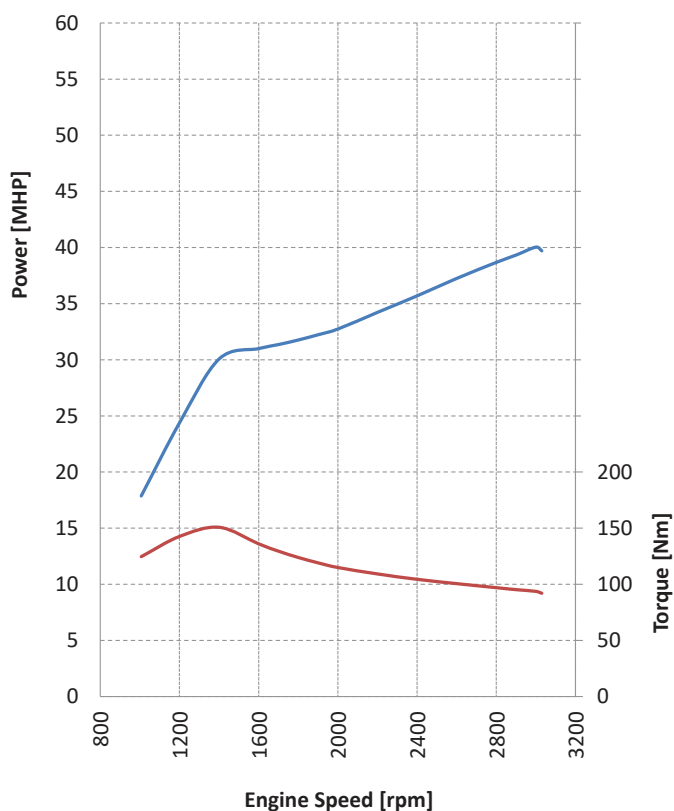
The MR504LW3 has been specifically designed for use in environments where power is limited to 40 HP, such as marine protected areas, offering consistent performance and optimised fuel consumption.

HIGH PERFORMANCE DIESEL ENGINES

THE POWER OF ENGINEERING



POWER CURVE



STANDARD EQUIPMENT

- Flywheel and Flywheel housing
- 12V electric starter
- 12V-110A battery charging alternator
- Oil and fuel filters
- Air filter
- Engine cooling system with seawater heat exchanger
- Engine oil heat exchanger
- Cooled exhaust gas manifolds
- Air charging system with turbocharger and heat shielded turbine housing
- Low pressure fuel pump integrated on the high pressure injection pump
- Sea water circulating pump
- Centrifugal pump for engine coolant circulation
- Coolant expansion tank
- Engine shock absorbers
- White painting finish

AVAILABLE ACCESSORIES

- Gear box
- Flying bridge dashboard

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