
Press release

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MAN 16V175D Propulsion Packages for Israel Shipyards

Israel Shipyards chooses dual MAN 175D units for OPV-45 design

MAN Energy Solutions has won the contract to supply complete propulsion packages to two OPV-45 offshore patrol vessels currently under construction at Israel Shipyards in Haifa.

The contract covers two identical shipsets, each featuring 2 x MAN 16V175D-MM engines (2,960kW at 1900 rpm) and gearboxes, as well as ALPHA FPP propellers with struts and Alphatronic 3000 propulsion control systems.

Ben Andres, Head of High-Speed Sales, MAN Energy Solutions said: "The MAN 175D type is ideally suited to demanding naval applications and this is the latest in a series of orders we have won globally. The engine's technical and economical credentials stand it in good stead, while its compactness, shock capability, and best-in-class fuel-oil consumption are always key criteria for customers. Delivering complete propulsion packages to these two vessels also meets our ambition to increasingly become a supplier of complete solutions. I am delighted to partner with Israel Shipyards in the important high-speed naval segment, and look forward to building up our relationship in the future."

Israel Shipyards – one of the largest privately owned shipbuilding and repair facilities in the Eastern Mediterranean – is constructing the newbuildings for an undisclosed, African navy. The vessels are designed for a wide range of missions, including protection against the increasing threat of piracy in the region.

The OPV-45 has an overall length of 45.7 m, a displacement of some 300 tons, while its MAN 175D engines enable a sustained speed of above 24 knots and maximum range of over 3,500 nautical miles.

About the MAN 175D engine

MAN Energy Solutions has developed the MAN 175D engine range to supplement and complete its product portfolio in the maritime sector. In three variants of 12, 16 and 20 cylinders, the engine is available with an output ranging from 1,500 to 4,400 Kilowatts and is optimised for propelling ferries, offshore supply vessels, tug boats and other working vessels. Other market areas, such as super-yachts and naval marine applications are also served by additional, specialist model versions.

It is also an extremely eco-friendly engine, being designed from the outset with compliance to the latest, as well as future, exhaust-gas-emission requirements and utilises a very compact and flexible SCR system, which enables vessel designers to optimise space on board to the maximum.



Graphical rendering of the OPV-45 (picture courtesy Israel Shipyards)

MAN Energy Solutions enables its customers to achieve sustainable value creation in the transition towards a carbon neutral future. Addressing tomorrow's challenges within the marine, energy and industrial sectors, we improve efficiency and performance at a systemic level. Leading the way in advanced engineering for more than 250 years, we provide a unique portfolio of technologies. Headquartered in Germany, MAN Energy Solutions employs some 14,000 people at over 120 sites globally. Our after-sales brand, MAN PrimeServ, offers a vast network of service centres to our customers all over the world.