Our state-of-the-art CPP and FPP propulsion packages for MAN 175D engines offer added value for shipyards, owners and operators. Engineered with high-end components – optimized to superior performance and long service life.

**Benefits at a glance**

- Reduced installation costs
- Reduced operational costs
- Single point of contact to one responsible organization

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**MAN 175D**
Propulsion package concept
The new MAN 175D based propulsion packages are characterized by all core elements – such as main engines, reduction gearboxes, shaft lines, stern tubes, propellers and propulsion control systems – being designed, matched, optimized and commissioned for integration into tailored solutions. And most important – for the benefit of shipowners and operators – the propulsion packages can also be serviced by one and the same organization throughout the ship’s operating life.

Shipyards’ projecting benefits
- Pre-project plant conception, power and speed prognosis and estimation of propulsion package parameters with a high degree of system accuracy
- Layout of auxiliary systems and package engineering based on integrated overall propulsion expertise
- Propulsion equipment interfaces and integration matters are solved at an early stage
- Torsional vibration calculations and possible special ice class requirements are dealt with in standard quotations
- One competent contract partner during projecting, planning, purchasing, installation and commissioning of the equipment
- Optimal ‘package logistic’ ensures safe supply of all components – and possible single batch delivery matching the installation schedule.

Shipyards’ handling benefits
- Thorough handling of engine, gearbox, propeller and control system leads to minimal shipyard work on a reduced number of connecting points
- One package of documentation providing information on foundations, piping, electrical wiring, auxiliary systems, and covering on-board interfaces and alignment of the entire power train
- One team of commissioning engineers responsible for the propulsion package during start-up and sea trials
- Less shipyard responsibility and administration – minimal engineering, installation work, and installation costs.

Owners’ operating benefits
- Optimal operating economy is ensured thanks to the optimized layout of engine, reduction gearbox, propeller, propulsion control and safety system
- Operating reliability, durability and predictable service intervals are assured by a tailored package solution
- One company supplying, testing and commissioning the package, together with the subsequent lifetime accumulation of performance and operating experiences for the propulsion components.

Owners’ service benefits
- Service documentation, maintenance programs and spare parts catalogues for the propulsion equipment – available from one point of contact – is the basis for efficient service routines and identification of parts
- One service organization addressing all propulsion plant support requirements via the worldwide network of MAN PrimeServ representatives, authorized workshops and service centers
- The MAN 175D engines can be equipped with ‘PrimeServ Telematics’ remote service modules giving remote access to engine parameters, specific measuring points and operating data
- Service contracts are offered in three levels from the basic ‘PrimeServ Comfort’ and medium level ‘PrimeServ Comfort Plus’ to the full and very extensive ‘PrimeServ Comfort Super Plus’
- The content and coverage of the PrimeServ contracts range from basic parameter handling, service hour interval notifications and local half year engine checks – to all scheduled services performed by MAN PrimeServ
- To ensure optimal operation our MAN PrimeServ Academy offers complete propulsion system instruction and training for engineers, operators and service staff.

MAN 12V175D Tier III propulsion package (with SCR system) - driving a Renk gearbox coupled to a MAN Alpha shaft and high skew CP Propeller