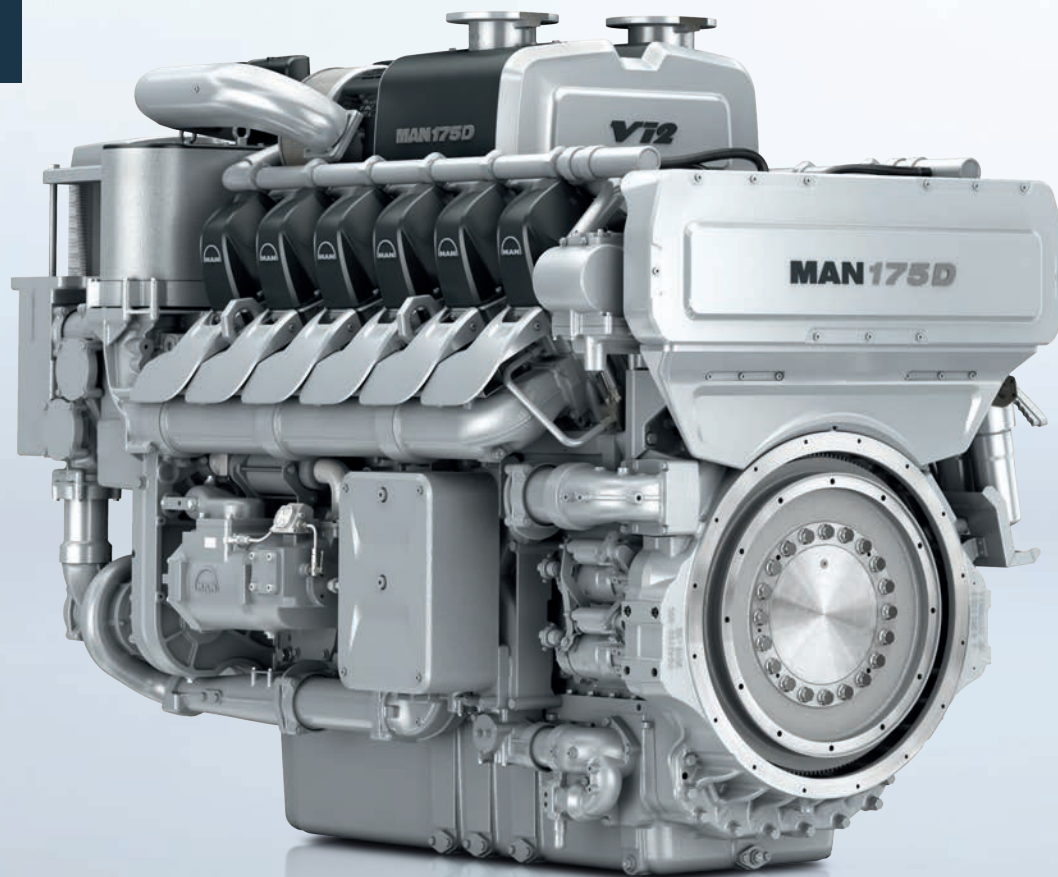


**FOUR
STROKE
MARINE
SOLUTIONS**



MAN 175D

PROPULSION

Packing the latest technology into a minimum volume, the MAN 175D is characterized by a clear-cut design: easy to commission, easy to operate, and easy to service. Its modular design allows it to meet all the challenges of many different applications.

Benefits at a glance

- Clear & Compact
- Advanced & Robust
- Powerful & Reliable
- Efficient & Clean

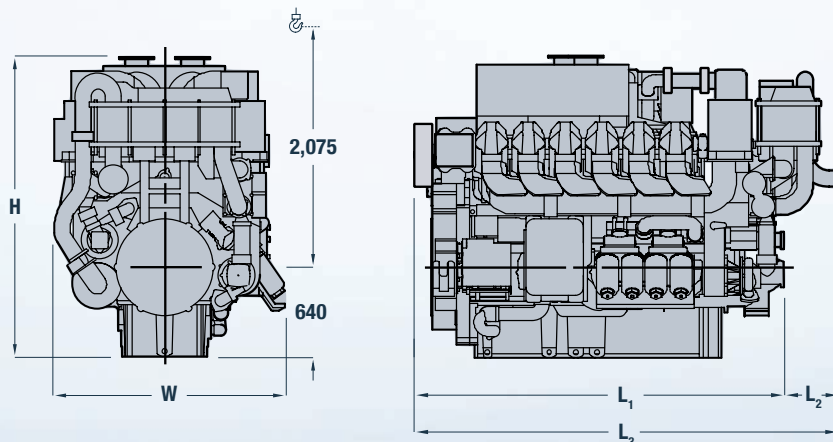
Engineering the Future – since 1758.

MAN Diesel & Turbo



MAN 175D

PROPULSION



Dimensions

Cyl. No.	12
L ₁	2,678 mm
L ₂	334 mm
L ₃	3,012 mm
H	2,115 mm
W	1,633 mm
Dry mass	8.5 t

Output

Engine Model	MAN 12V175D-MH	MAN 12V175D-MM
Rating Definitions	Heavy Duty	Medium Duty
kW	1,740	2,220
(bhp*)	(2,333)	(2,977)
(mhp**)	(2,366)	(3,018)
rpm	1,800	1,900
SFOC [g/kWh] at 100 % MCR, Tier II/Tier III	-	199/202
SFOC [g/kWh] at 75 % MCR, Tier II/Tier III	-	203/201

For multi-engine arrangement only. Rated power output according to ISO 3046-1: ICFN.

Specific fuel oil consumption acc. to ISO 3046-1:2002 based on a lower calorific value of fuel 42,700 kJ/kg with attached lube oil, HT and LT-cooling water pumps fulfilling IMO Tier II/Tier III emission limitations with 5 % tolerance.

*brake horse power **metric horse power. Last updated December 2017

General

- Modular Common Rail fuel injection system
- Integrated lubrication system
- HT and LT split cooling circuits with integrated pumps and thermostats
- High efficiency MAN turbochargers
- Engine mounted control devices and operating panel

Power-to-weight ratio (MCR)

- 3.8 – 4.9 kg/kW

Starting method

- Electric or Compressed Air

Optional equipment

- Integrated seawater cooler and engine-driven seawater pump
- Lube oil centrifuge for longer lube oil exchange intervals
- 100% PTO on counter coupling side
- Alternator for battery charging
- Up to four auxiliary PTO connections

MCR = Maximum Continuous Rating | SCR = Selective Catalytic Reduction | SFOC = Specific Fuel Oil Consumption

Compliance with emission regulations

- IMO Tier II
- IMO Tier III (with MAN SCR)

Rating definitions:

Marine Heavy Duty

Recommended for vessels with typical annual operating time of up to 5,000 hours
Typical applications include, but are not limited to working boats, offshore vessels and ferries

Average load: up to 85 %

Marine Medium Duty

Recommended for vessels with typical annual operating time of up to 3,000 hours
Typical applications include, but are not limited to working boats, offshore vessels, patrol boats, and yachts

Average load: up to 65 %

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