

## **D2862 - New diesel engine with 1400 hp.**

MAN marine engines for medium duty applications.

Powered by MAN.

**MAN Nutzfahrzeuge Group**



# Full speed ahead.

Typical applications for medium duty boats cover goods and passenger transportation as well as escort and patrol duties at sea. MAN marine diesel engines perform these tasks reliably and efficiently with high power outputs. With ratings from 379 to 1 400 mhp they have powerful acceleration and high tractive power. MAN engines meet the current emission standards and are environmentally friendly. The worldwide service network ensures minimal maintenance effort and a customer-oriented service.

## Engine description D2862.

### Characteristics

Cylinders and arrangement	12 cylinders in 90° V design
Operation mode	4-stroke diesel engine watercooled exhaust turbocharger intercooler
Number of valves	4 valves per cylinder, replaceable
Fuel injection	Direct fuel injection with electronic control
Fuel system	Common Rail
Engine block	High-strength casting with integrated oil and water ducts and replaceable cylinder liners
Engine lubrication	Closed system with forced feeding, oil cooling and filtering
Type of cooling	Plate heat exchanger seawater cooled
Engine electric	Electronic injection control (EDC) Electronic engine monitoring including diagnostic unit
Exhaust gas status	IMO/MARPOL 73/78, BSO, 97/68/EC RCD 94/25/EC, EPA Tier 2 for private use only
Fuel	DMX fuel to ISO 8217, DIN EN 590

### Dimensions D2862

A-Overall width of engine	mm	1 153
B-Overall length of engine	mm	2 050
C-Overall height of engine	mm	1 289
D-Top of engine to crankshaft centre	mm	825
E-Length of engine from front end to edge of flywheel housing	mm	1 630
Average weight of engine ready for installation (dry)	kg	2 200

For detailed examinations of installation dimensions, please order drawings from our factory.

## MAN engines have outstanding qualities

- High tractive power even at low speeds
- Powerful acceleration and rapid reaction to commands
- High performance combined with low weight
- Compact, space-saving design
- Low emission values
- High efficiency owing to low fuel consumption, low running costs and long service life
- World-wide service network with rapid supply of spare parts

## Technical data D2862

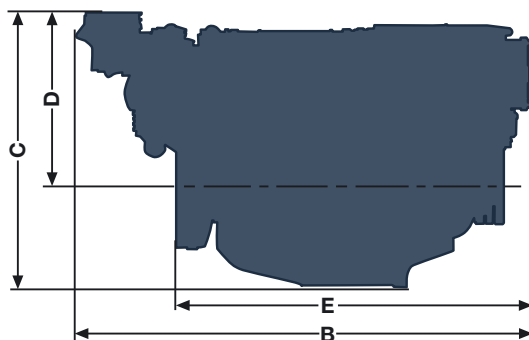
Type of engine		LE 463
Bore	mm	128
Stroke	mm	157
Displacement	l	24.24
Compression ratio		17:1
Rotation looking on flywheel		left
Flywheel housing		SAE 1
Maximum output <sup>1</sup>	kW (mhp)	1 030 (1 400)
Rated speed	rpm	2 100
Torque at rated speed	Nm	4 681
Maximum torque	Nm	5 200
at speed	rpm	1 300-1 900
Specific fuel consumption <sup>2</sup>	g/kWh	210
<sup>1</sup> The ratings are for medium duty operations. <sup>2</sup> Consumption at rated power.		

## Definition of medium duty operation

Annual operating hours	≤ 3 000
Percentage of time at full load	≤ 20 %
Average load application	≤ 70 %
Particular operating conditions	no wide-open throttle below rated speed

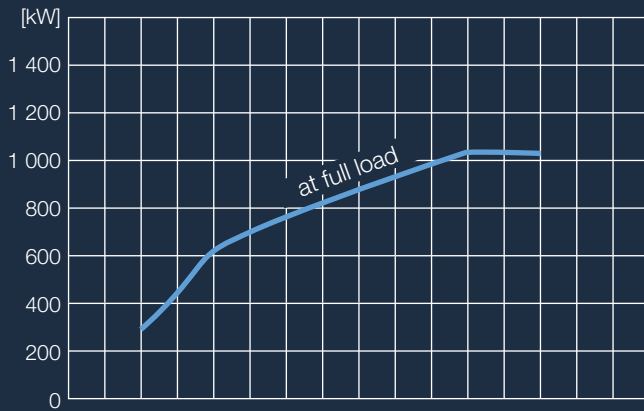
## Typical applications

Escort boats and Pilot boats  
Fishing boats  
Passenger boats and Ferries  
Cruising vessels  
Seagoing patrol boats

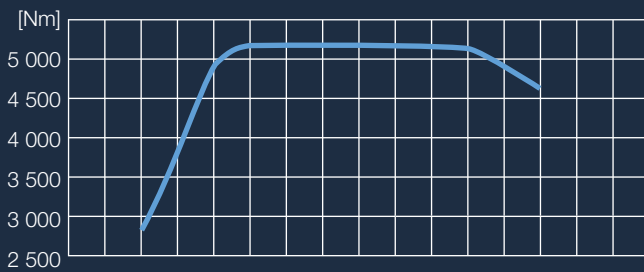


# Power charts D2862.

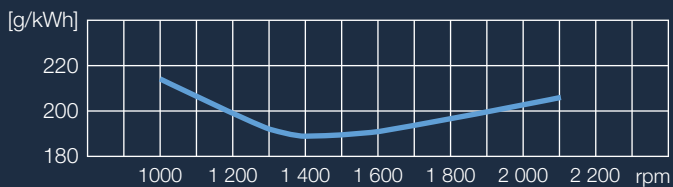
Power



Torque



Specific fuel consumption (full load)



■ D2862 LE463 (1 030 kW, 2 100 rpm)

D 114.471/E · mu 05094 · Printed in Germany

Text and illustrations are not binding.

We reserve the right to make modifications in the course of technical progress.

MAN Nutzfahrzeuge AG  
Engines & Components  
Dept. SEM  
Vogelweiherstr. 33  
90441 Nuremberg, Germany

[www.man-engines.com](http://www.man-engines.com)  
[marinemotor@de.man-mn.com](mailto:marinemotor@de.man-mn.com)

