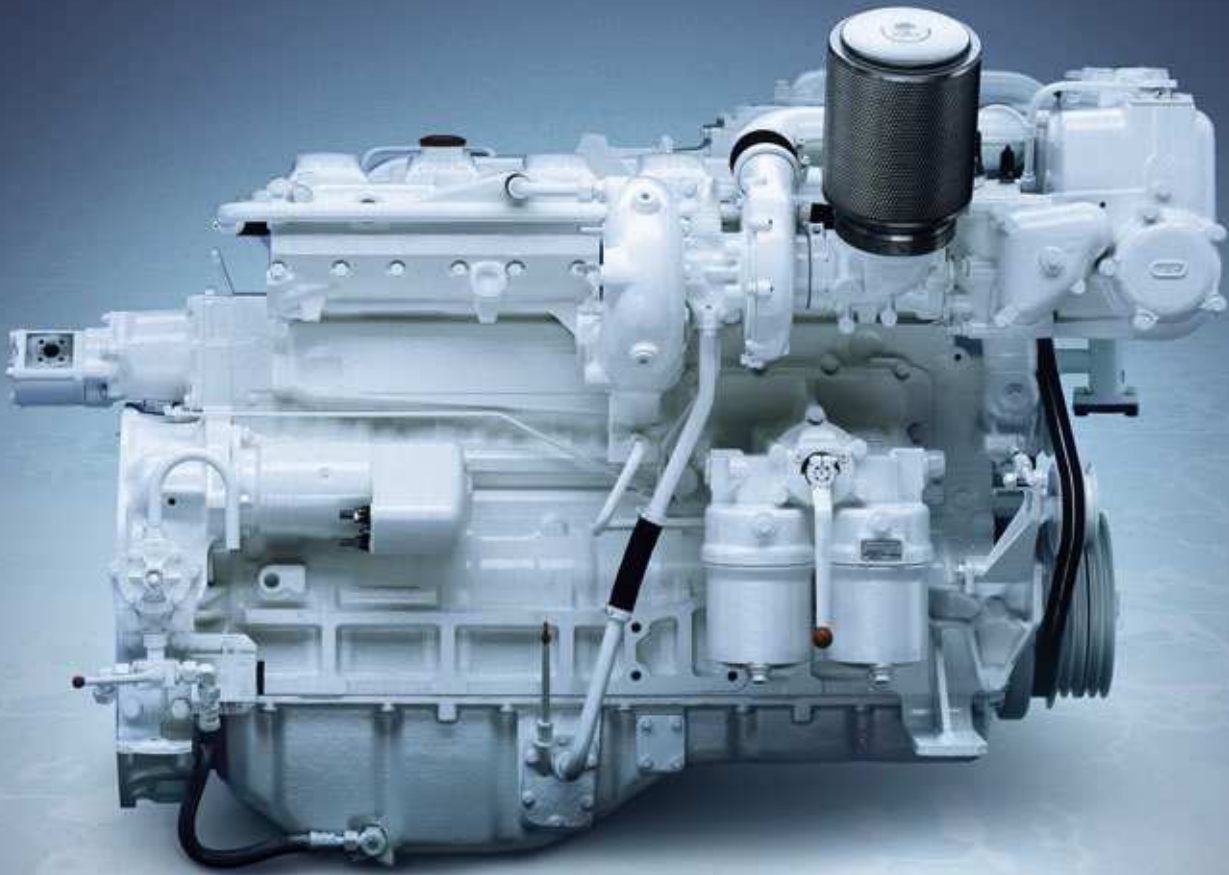


D2866

MAN high speed marine engines for medium duty applications.



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 D2866.

Characteristics

Cylinders and arrangement	6 cylinders in-line
Operation mode	watercooled 4-stroke diesel engine with exhaust turbocharger and intercooler
Number of valves	2 valves per cylinder
Fuel system	Direct injection Bosch injection pump
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	Seawater cooled heat exchanger
Engine control	Mechanical injection control
Exhaust gas status	IMO/MARPOL 73/78 On request: SAV and BSO for commercial application
Fuel	DMX fuel to ISO 8217, EN 590

Dimensions D2866		LXE40	
A-Overall width of engine	mm	897	
B-Overall length of engine	mm	1,448	
C-Overall height of engine	- flat oil pan	mm	1,148
	- deep oil pan	mm	1,357
D-Top of engine to crankshaft centre	mm	817	
E-Length of engine from front end to edge of flywheel housing	mm	1,448	
Weight (dry)	kg	1,020	

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 D2866

Type of engine		LXE40	LXE40
Bore	mm	128	128
Stroke	mm	155	155
Displacement	l	11.97	11.97
Compression ratio		15.5:1	15.5:1
Rotation looking on flywheel		left	left
Flywheel housing		SAE 1	SAE 1
Maximum output ¹			
	kW (mhp)	279 (379)	294 (400)
Rated speed	rpm	1,800	2,100
Torque at rated speed	Nm	1,480	1,337
Maximum torque	Nm	1,564	1,461
at speed	rpm	1,500	1,700
Specific fuel consumption ²	g/kWh	206	212
Fuel consumption ²	l/h	69	75
Classifiable		√	√

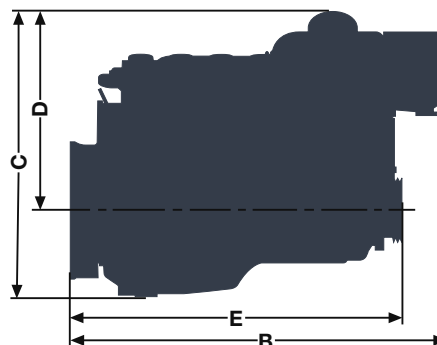
¹ The ratings are for medium duty operations. ² Consumption at rated power.

Definition of medium duty operation

Annual operating hours	≤ 3,000
Percentage of time at full load	≤ 50%
Average load application	≤ 70%
Particular operating conditions	no wide-open throttle below rated speed

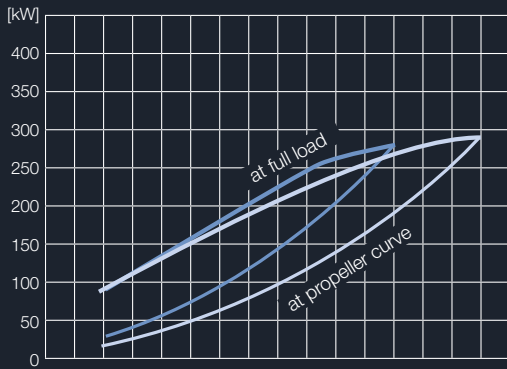
Typical applications

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

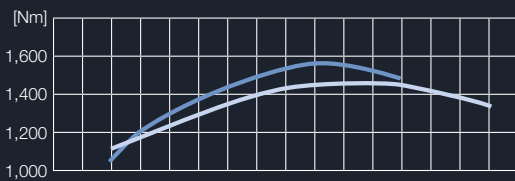


Power charts D2866.

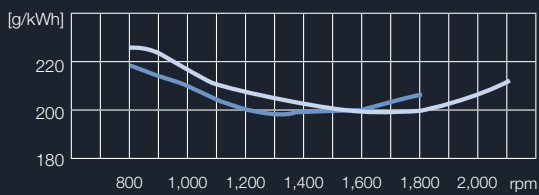
Power



Torque



Specific fuel consumption (full load)



- D 2866 LXE 40 (279 kW, 1,800 rpm)
- D 2866 LXE 40 (294 kW, 2,100 rpm)

MAN Diesel SE

Vogelweiherstrasse 33
 90441 Nuremberg, Germany
 Phone +49 911 420-0
highspeed@mandiesel.com
www.mandiesel.com