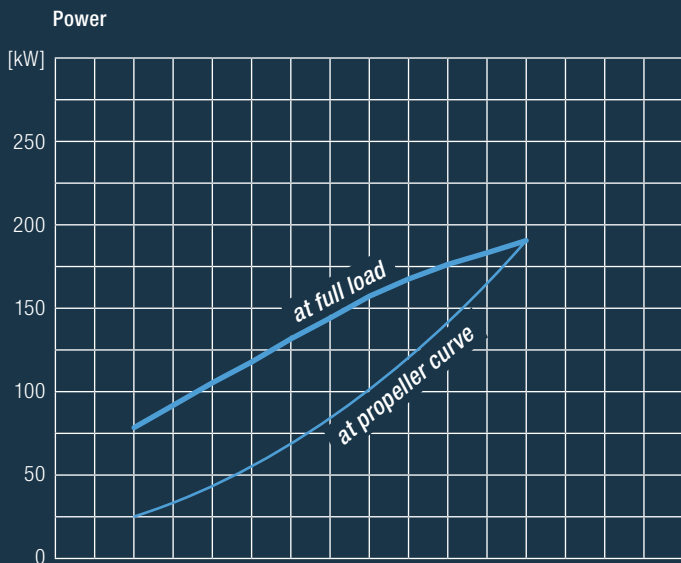
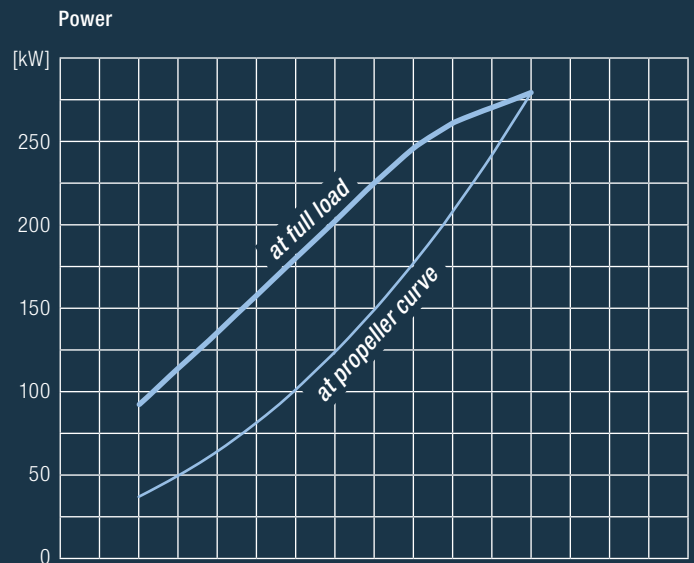


# Power charts D2866.

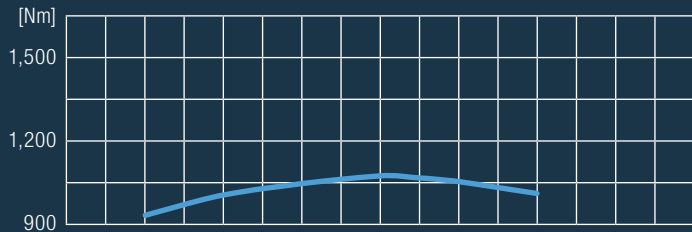
D2866 LXE 40 with 190 kW



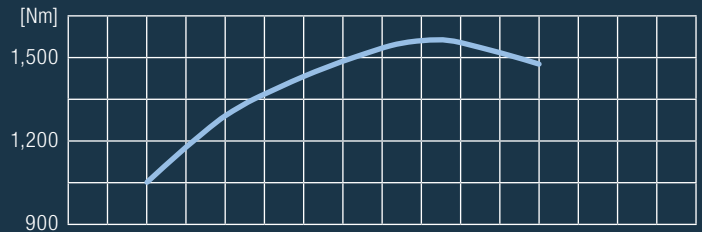
D2866 LXE 40 with 279 kW



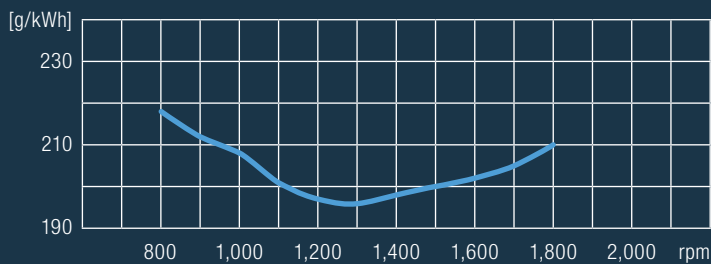
Torque



Torque

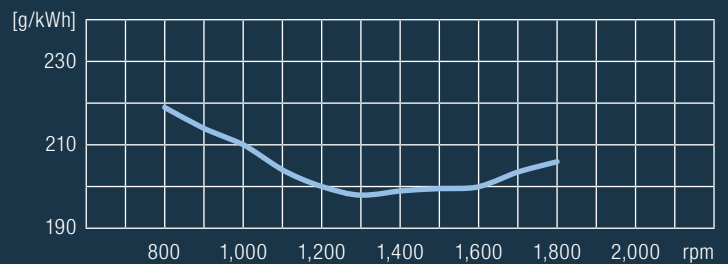


Specific fuel consumption (full load)



■ D2866 LXE 40 with 190 kW (258 hp at 1,800 rpm)

Specific fuel consumption (full load)



■ D2866 LXE 40 with 279 kW (379 hp at 1,800 rpm)

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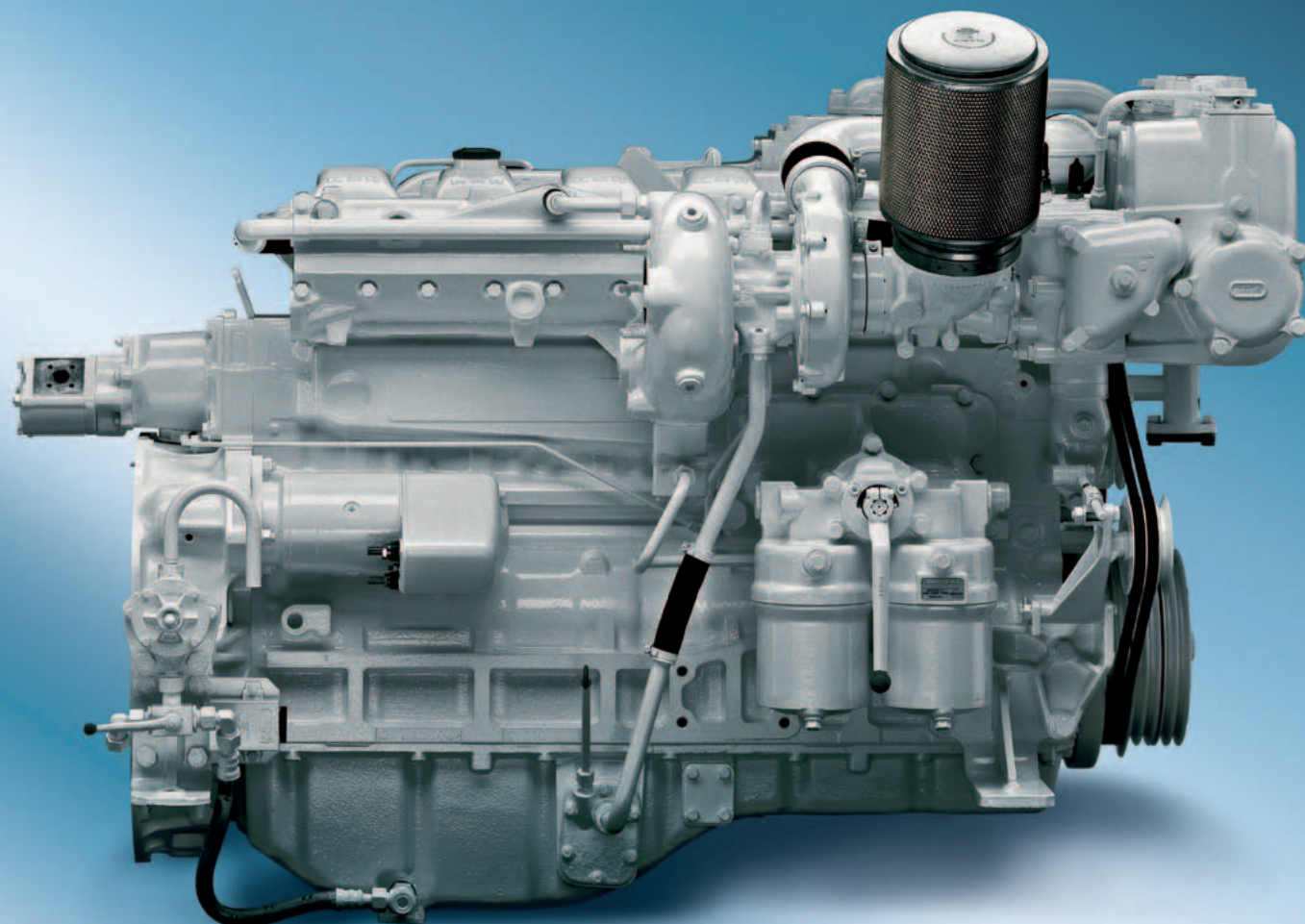
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D2866

Heavy duty



**D2866.**

MAN high speed marine engines for heavy duty applications.



# Full speed ahead.

Typical applications for marine heavy duty operation cover passenger and goods transportation as well as escort and patrol duties at sea. MAN marine diesel engines from 258 hp to 900 hp perform these tasks reliably and efficiently. They meet the international 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:	4-stroke diesel engine, watercooled
■ Turbocharging:	Exhaust turbocharger with intercooler
■ Number of valves:	2 valves per cylinder, replaceable
■ Fuel system:	Direct fuel injection with 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:	Heat exchanger with seawater pump fitted, alternatively equipment for keel cooling
■ Engine control:	Electronic engine monitoring
■ Exhaust gas status:	IMO Tier 2, 97/68/EC, RCD 94/25/EC
■ Fuel:	DMX fuel to ISO 8217, DIN EN 590

### Definition of heavy duty operation

■ Annual operating hours:	unlimited
■ Percentage of time at full load:	≤ 100 %
■ Average load application:	≤ 100 %

### Typical applications

- Trawlers
- Tugs and pushboats
- Freight barges and freighters
- Ferries
- Dredgers

## 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
- High efficiency owing to low fuel consumption
- Low running costs and long service life
- Low emission values
- World-wide service network with rapid supply of spare parts

## Technical features D2866

Type of engine		LXE 40	LXE 40	
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	
Nominal rating <sup>1)</sup>		kW (hp)	190 (258)	279 (379)
Rated speed	rpm	1,800	1,800	
Torque at rated speed	Nm	1,008	1,480	
Maximum torque	Nm	1,070	1,560	
at speed	rpm	1,400	1,500	
Specific fuel consumption <sup>2)</sup>	g/kWh	210	206	
Fuel consumption <sup>2)</sup>	l/h	47	68	
Classifiable		✓	✓	

1) The rating is according to DIN ISO 3046/1.

2) Consumption at rated power.

Dimensions		LXE 40
A-Overall width of engine	mm	855
B-Overall length of engine	mm	1,474
C-Overall height of engine	- flat oil pan	1,016
	- deep oil pan	1,244
D-Top of engine to crankshaft centre	mm	686
E-Length of engine from front end to edge of flywheel housing	mm	1,298
Average weight of engine ready for installation (dry)	kg	1,020

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

