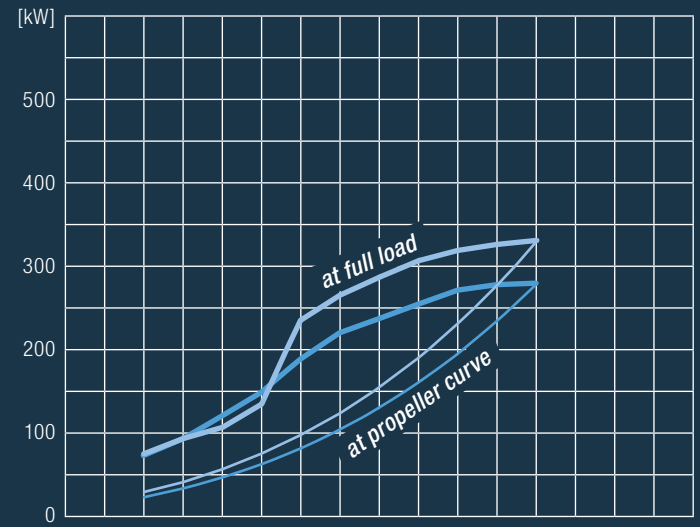
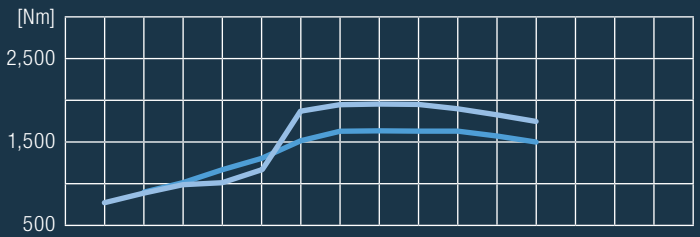
Power charts D2876.

D2876 LE 406 and D2876 LE 403

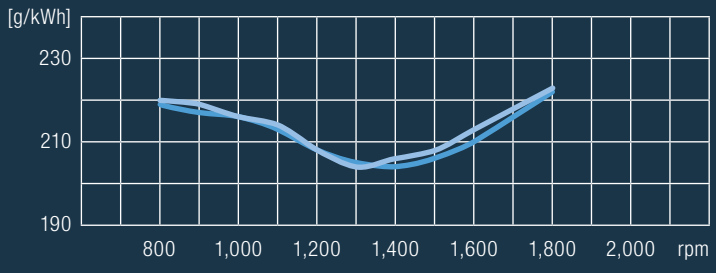
Power



Torque



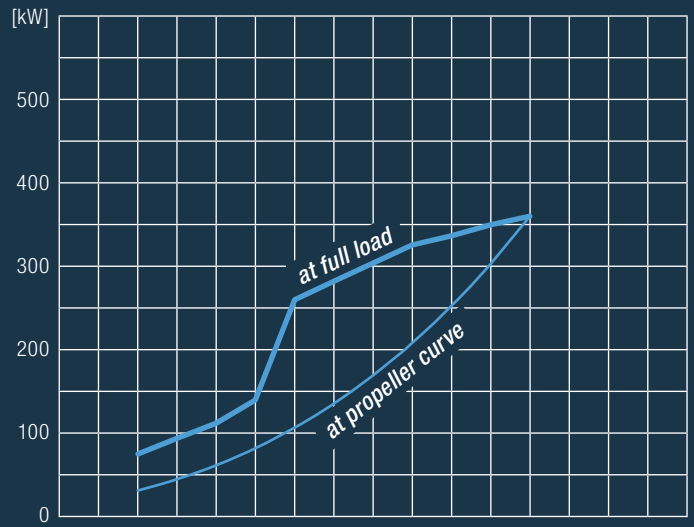
Specific fuel consumption (full load)



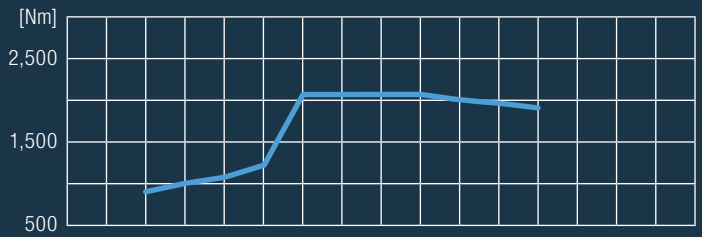
D2876 LE 406 with 280 kW (381 hp at 1,800 rpm)
D2876 LE 403 with 331 kW (450 hp at 1,800 rpm)

D2876 LE 407

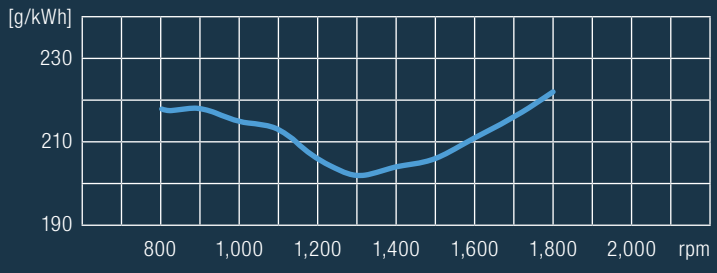
Power



Torque



Specific fuel consumption (full load)



D2876 LE 407 with 360 kW (490 hp at 1,800 rpm)

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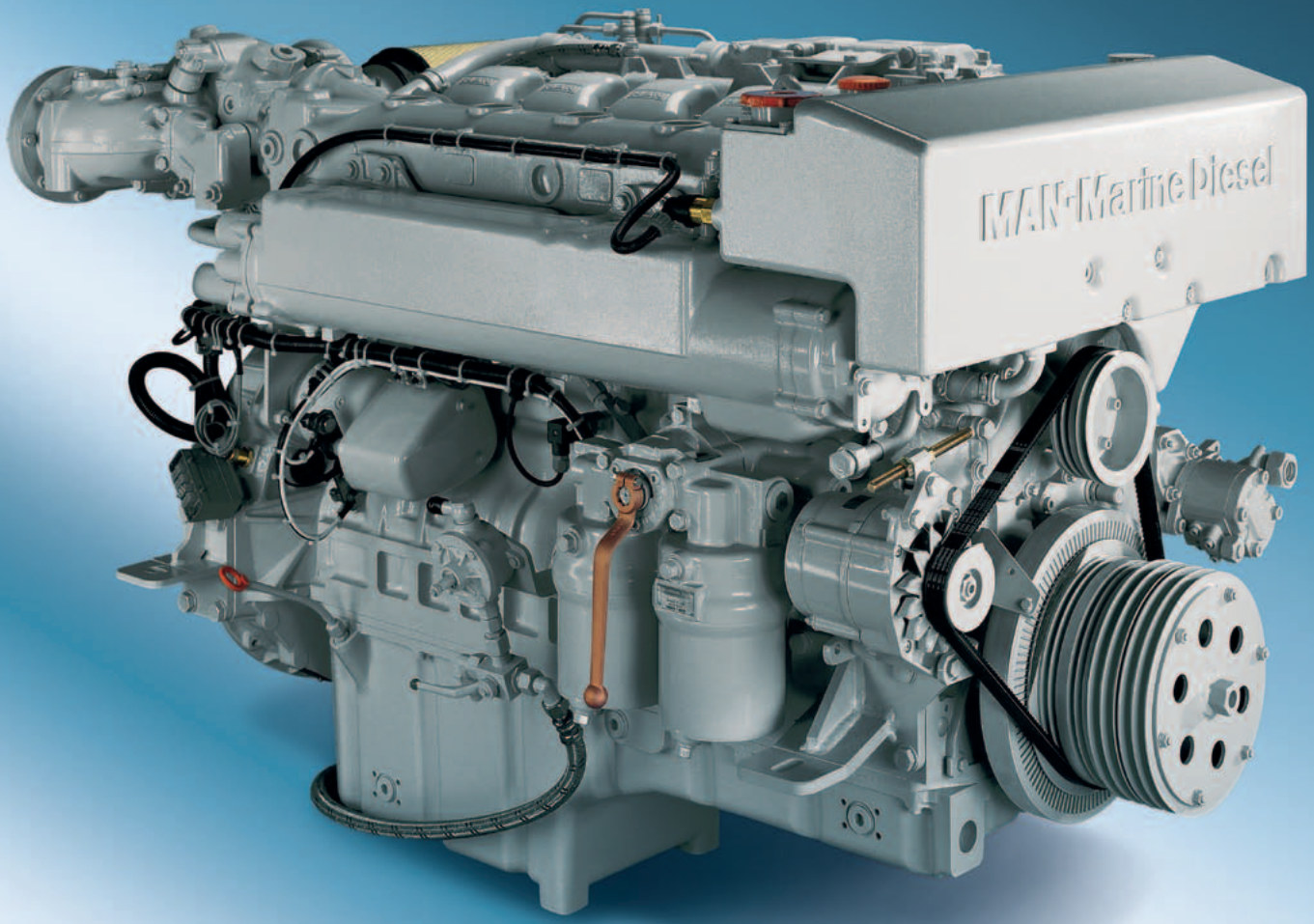
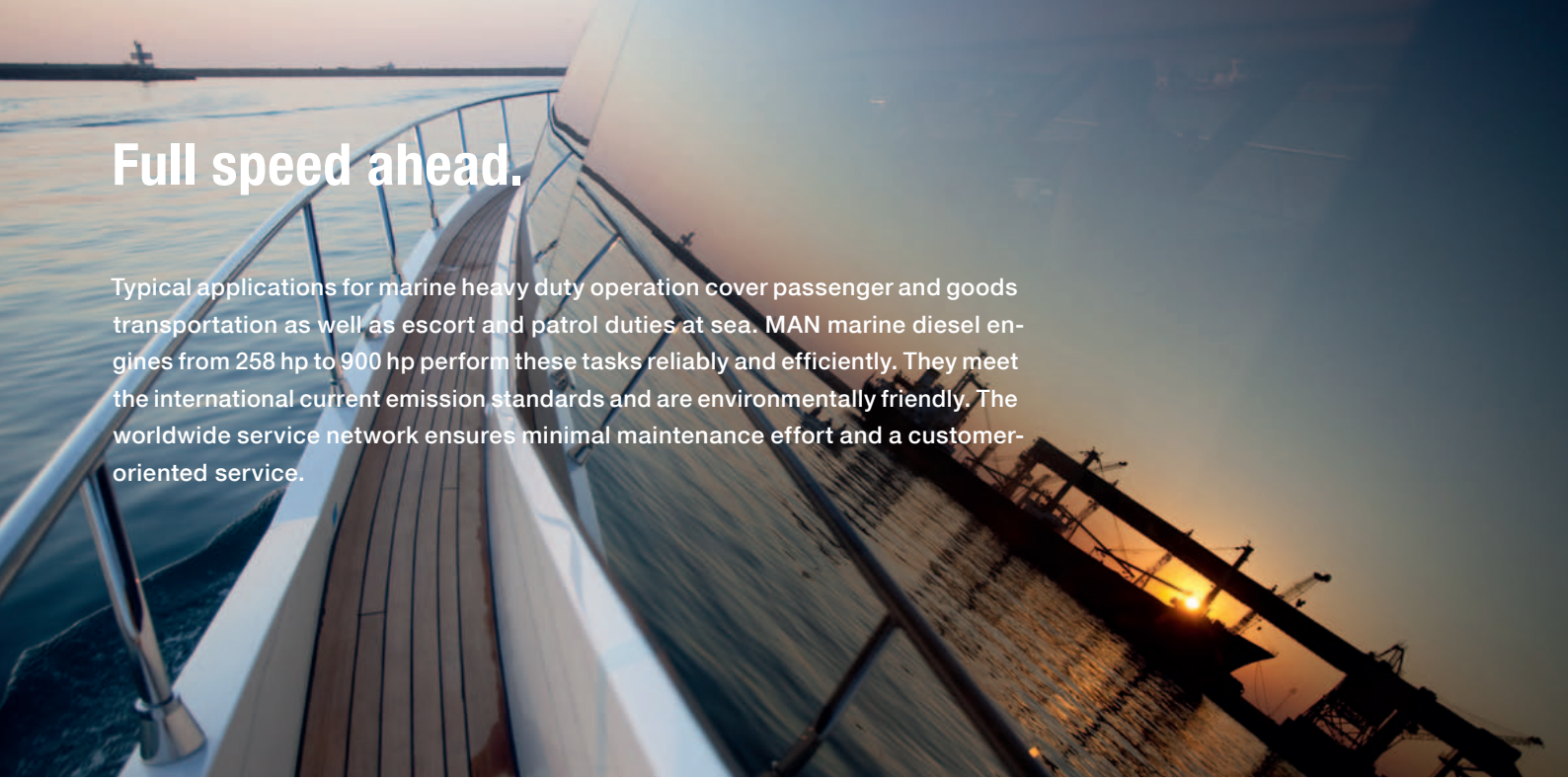


D2876.

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 D2876.

Characteristics

Cylinders and arrangement:	6 cylinders in-line
Operation mode:	4-stroke diesel engine, watercooled
Turbocharging:	Exhaust turbocharger with intercooler, boost pressure control with waste gate
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 D2876

Type of engine		LE 406	LE 403	LE 407
Bore	mm	128	128	128
Stroke	mm	166	166	166
Displacement	l	12.8	12.8	12.8
Compression ratio		15.5 : 1	15.5 : 1	15.5 : 1
Rotation looking on flywheel		left	left	left
Flywheel housing		SAE 1	SAE 1	SAE 1
Nominal rating [1]	kW (hp)	280 (381)	331 (450)	360 (490)
Rated speed	rpm	1,800	1,800	1,800
Torque at rated speed	Nm	1,485	1,756	1,910
Maximum torque	Nm	1,620	1,960	2,074
at speed	rpm	1,300–1,600	1,300–1,500	1,200–1,500
Specific fuel consumption [2]	g/kWh	222	223	222
Fuel consumption [2]	l/h	74	88	95
Classifiable		✓	✓	✓

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

2) Consumption at rated power.

Dimensions			LE 406/403/407
A-Overall width of engine		mm	877
B-Overall length of engine		mm	1,565
C-Overall height of engine	– flat oil pan	mm	1,000
	– deep oil pan	mm	1,080
D-Top of engine to crankshaft centre		mm	665
E-Length of engine from front end to edge of flywheel housing		mm	1,320
Average weight of engine ready for installation (dry)		kg	1,160

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