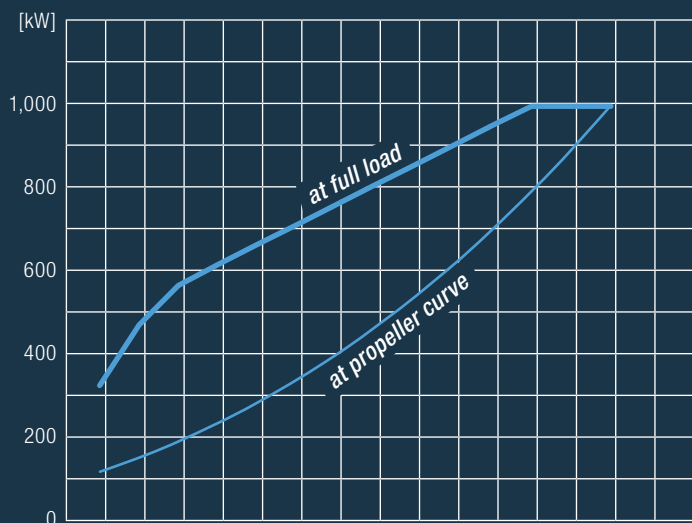


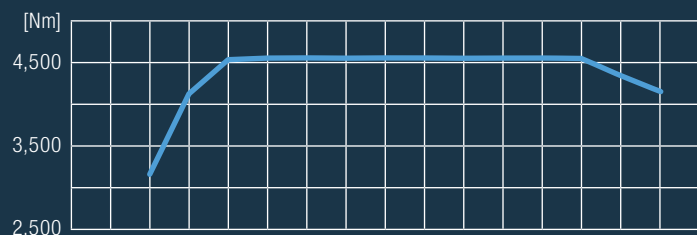
Power charts V12-1360.

V12-1360

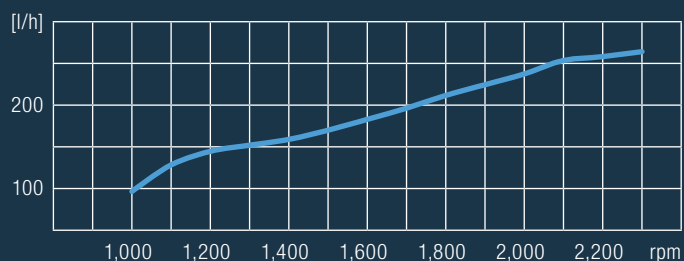
Power



Torque



Absolute fuel consumption



■ V12-1360 with 1,000 kW (1,360 hp at 2,300 rpm)

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We reserve the right to make modifications for reasons of technical progress.

MAN Truck & Bus AG

Sales Engines & Components

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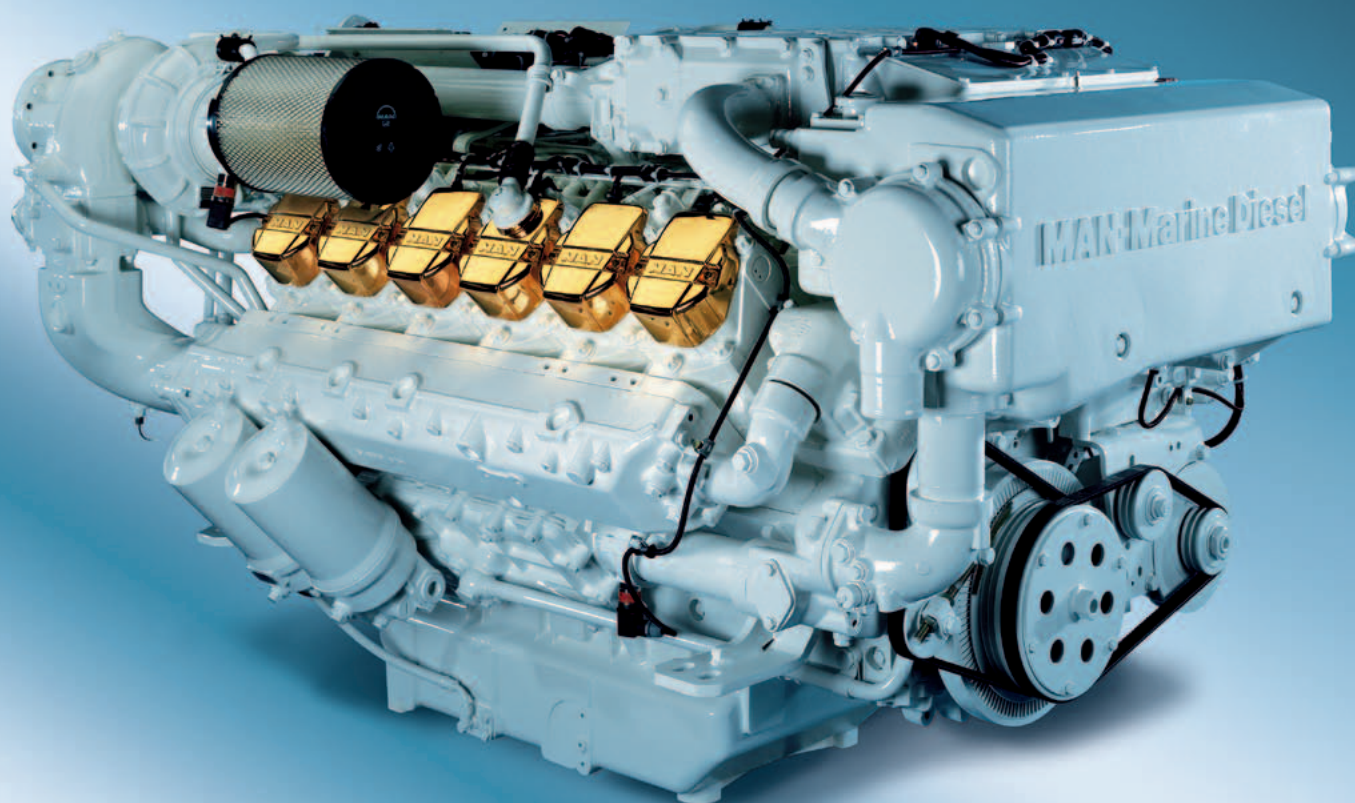
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V12-1360.

MAN high speed marine engines for light duty applications.





Full speed ahead.

A whole fleet of MAN marine diesel engines is waiting for this command. The powerful common rail diesel engines from 730 hp to 1,800 hp impress with their extraordinary dynamics, their extreme running smoothness, economy and their trend-setting environmental friendliness. The finest from modern technology.

Engine description V12-1360.

Characteristics

■ Cylinders and arrangement:	12 cylinders in 90° V design
■ Operation mode:	4-stroke diesel engine, watercooled
■ Turbocharging:	Exhaust turbocharger with intercooler
■ Number of valves:	4 valves per cylinder
■ Fuel system:	Common Rail direct fuel injection with electronic control
■ Engine lubrication:	Closed system with forced feeding, oil cooling and filtering
■ Type of cooling:	Heat exchanger with engine and seawater circuit
■ Engine control:	Electronic injection control (EDC) Electronic engine monitoring including diagnostic unit
■ Exhaust gas status:	IMO Tier 2, RCD 94/25/EC, EPA Tier 2, SAV/BSO, 97/68/EC
■ Fuel:	DIN EN 590

Definition of light duty operation

■ Annual operating hours:	< 1,000
■ Percentage of time at full load:	≤ 20 %
■ Average load application:	≤ 50 %
■ Particular operation conditions:	no wide-open throttle below rated speed

Typical applications

■ Escort boats and patrol boats
■ Ambulance boats
■ Pleasure crafts
■ Police boats

MAN engines have outstanding qualities

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

Technical features V12-1360

Type of engine

V12-1360

Displacement	l	21.93
Maximum output to DIN ISO 3046-1 ¹⁾	kW (hp)	1,000 (1,360)
Rated speed	rpm	2,300
Maximum torque	Nm	4,550
at speed	rpm	1,200–2,100
Weight (dry)	kg	1,965
Fuel consumption at rated power	l/h	263

1) The ratings are only for operation of private yachts.

Dimensions

V12-1360

A-Overall width of engine	mm	1,307
B-Overall length of engine	mm	1,846
C-Overall height of engine – flat oil pan	mm	1,209
– standard oil pan	mm	1,270
D-Top of engine to crankshaft centre	mm	789
E-Length of engine from front end to edge of flywheel housing	mm	1,493

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

