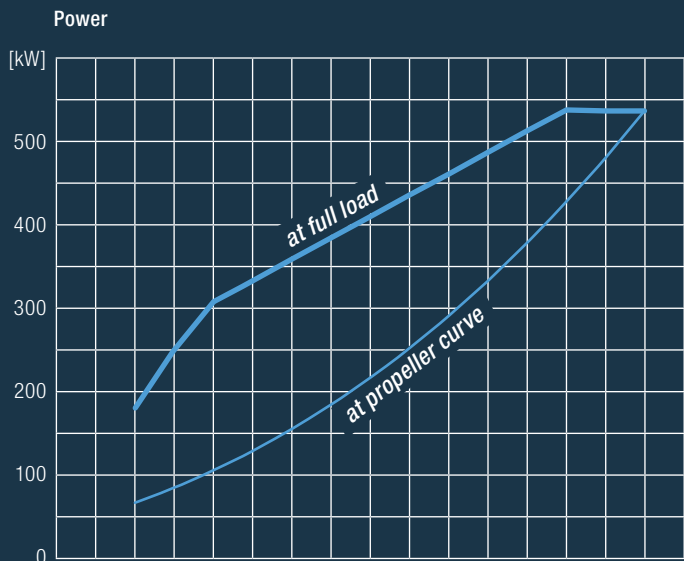
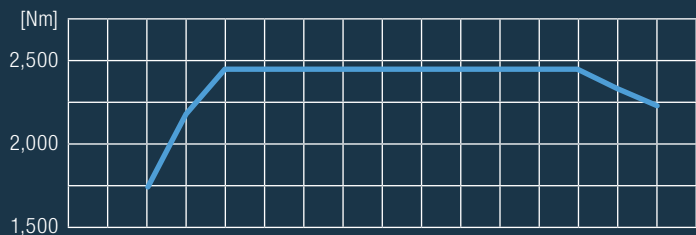


Power charts R6-730 and R6-800.

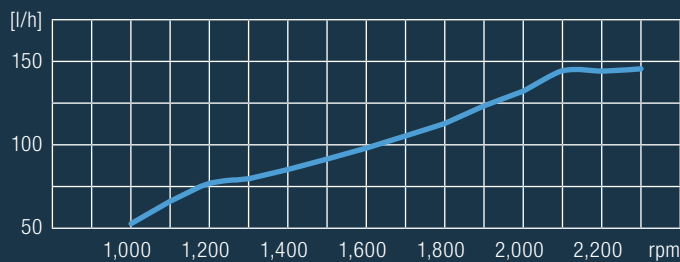
R6-730



Torque

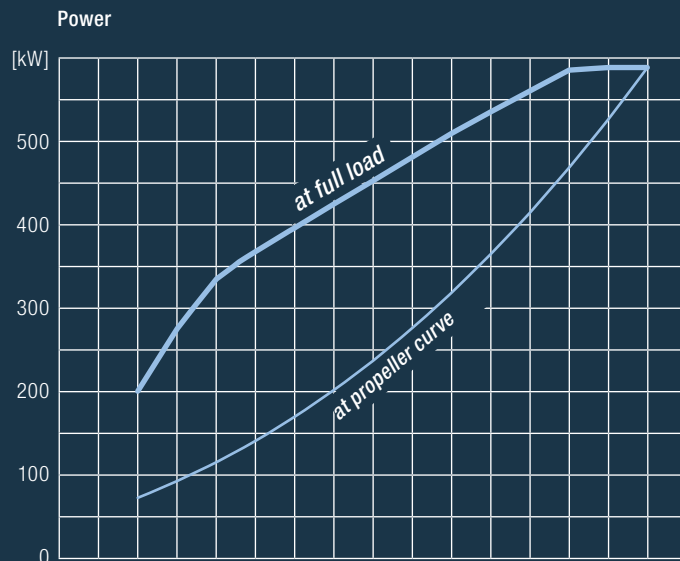


Absolute fuel consumption

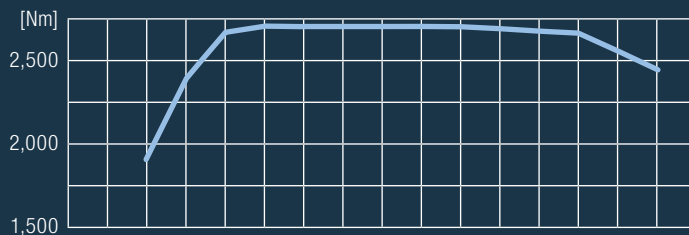


■ R6-730 with 537 kW (730 hp at 2,300 rpm)

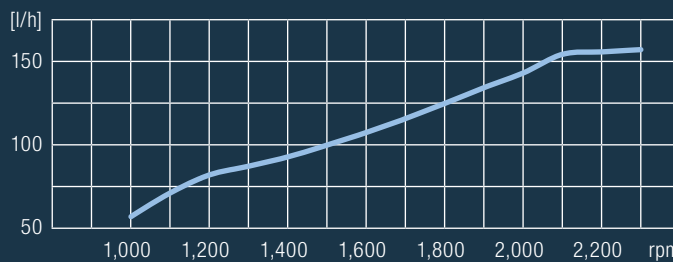
R6-800



Torque



Absolute fuel consumption



■ R6-800 with 588 kW (800 hp at 2,300 rpm)

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Text and illustrations are non-binding.

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

MAN Truck & Bus AG

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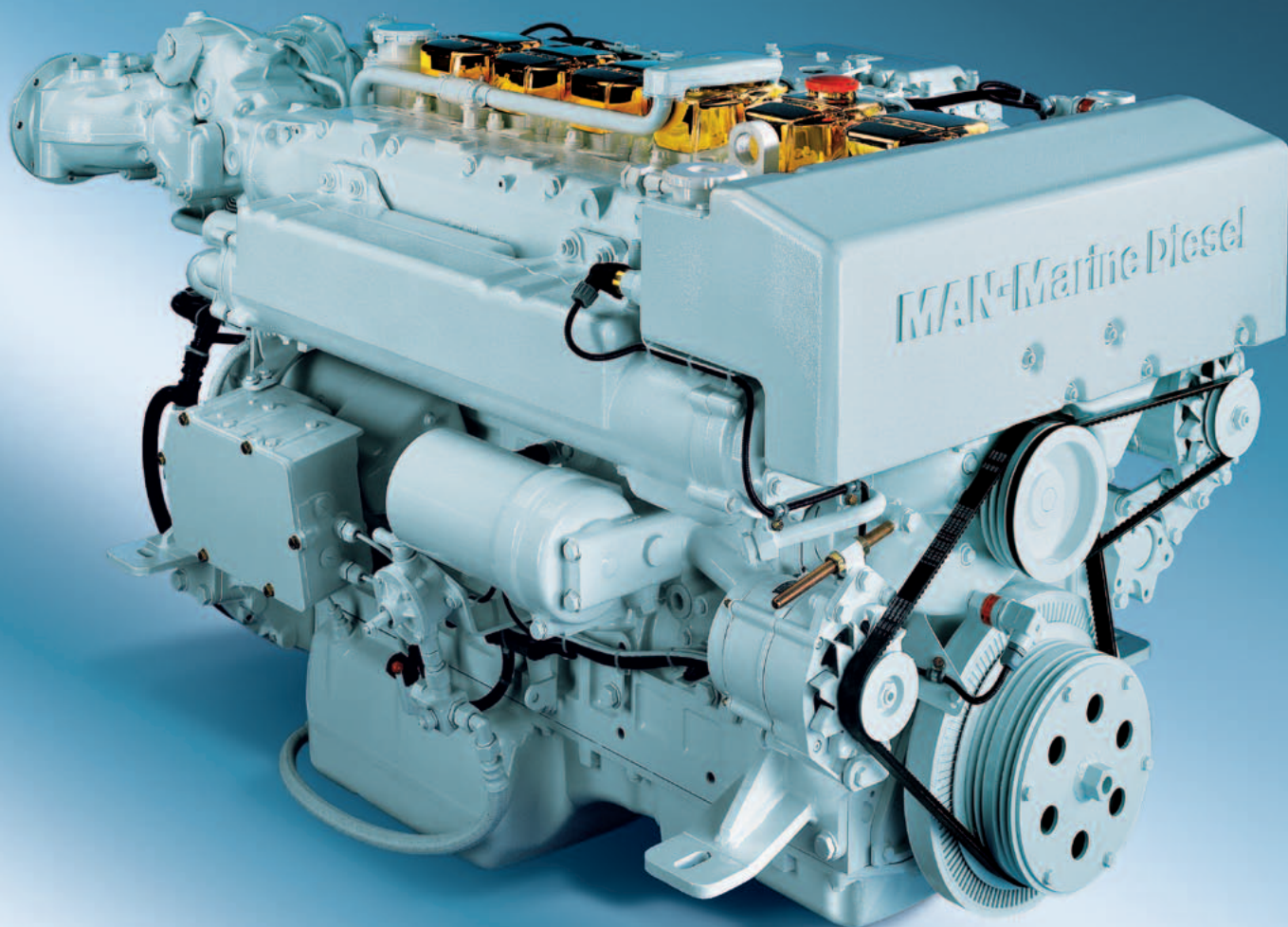
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R6-730 and R6-800.

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 R6-730 and R6-800.

Characteristics

■ Cylinders and arrangement:	6 cylinders in-line
■ 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
- Powerful acceleration and rapid reaction to commands
- High performance combined with low weight
- Compact, space-saving design
- Large operation range owing to low consumption
- Low running costs and long service life
- Low emission values
- World-wide service network with rapid supply of spare parts

Technical features R6-730 and R6-800

Type of engine		R6-730	R6-800
Displacement	l	12.82	12.82
Maximum output to DIN ISO 3046-1 ¹⁾	kW (hp)	537 (730)	588 (800)
Rated speed	rpm	2,300	2,300
Maximum torque	Nm	2,450	2,700
at speed	rpm	1,200–2,000	1,200–2,100
Weight (dry)	kg	1,305	1,305
Fuel consumption at rated power	l/h	145	158

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

Dimensions		R6-730/R6-800
A-Overall width of engine	mm	910
B-Overall length of engine	mm	1,634
C-Overall height of engine	– flat oil pan	1,020
	– standard oil pan	1,097
D-Top of engine to crankshaft centre	mm	683
E-Length of engine from front end to edge of flywheel housing	mm	1,356

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

