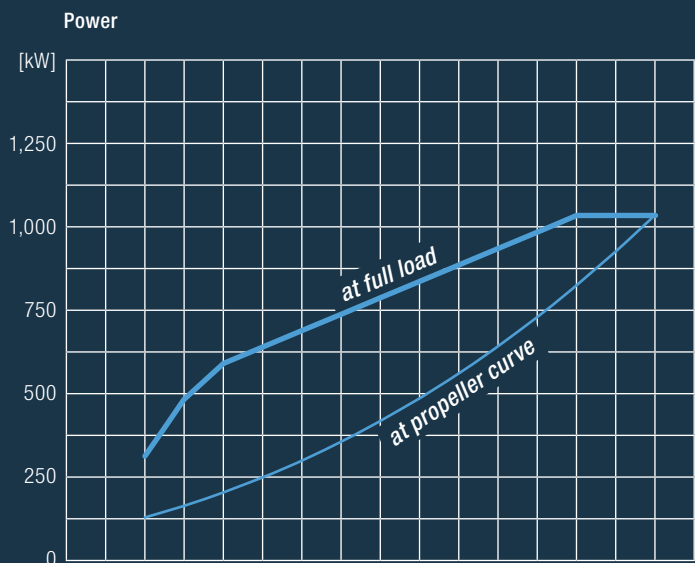
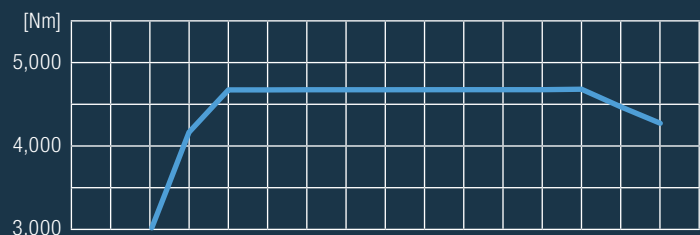


# Power charts V12-1400 and V12-1550.

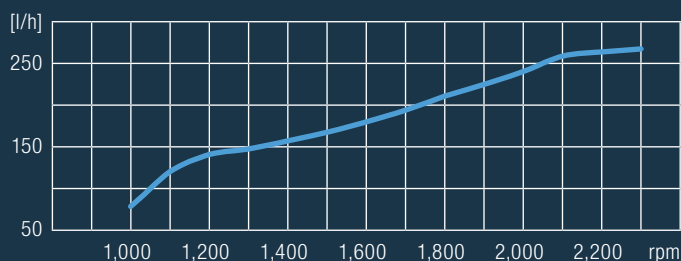
**V12-1400**



**Torque**

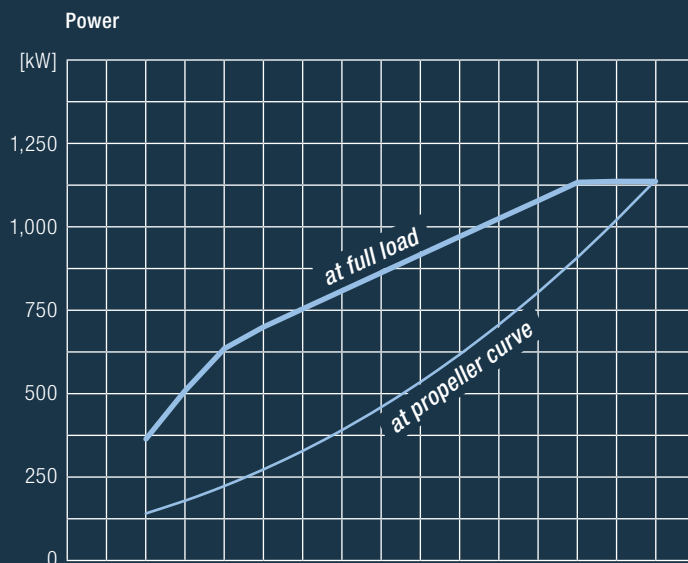


**Absolute fuel consumption**

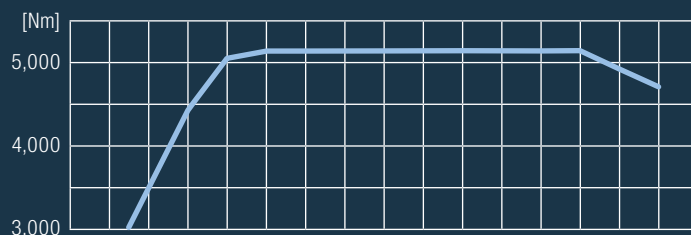


■ V12-1400 with 1,029 kW (1,400 hp at 2,300 rpm)

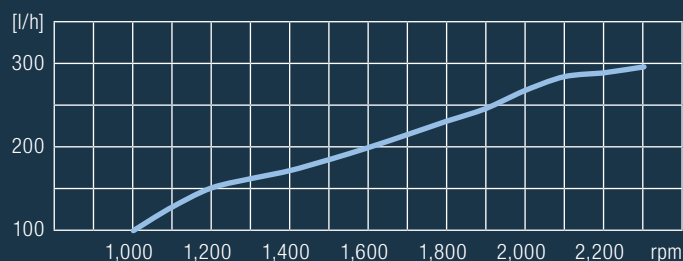
**V12-1550**



**Torque**



**Absolute fuel consumption**



■ V12-1550 with 1,140 kW (1,550 hp at 2,300 rpm)

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Sales Engines & Components

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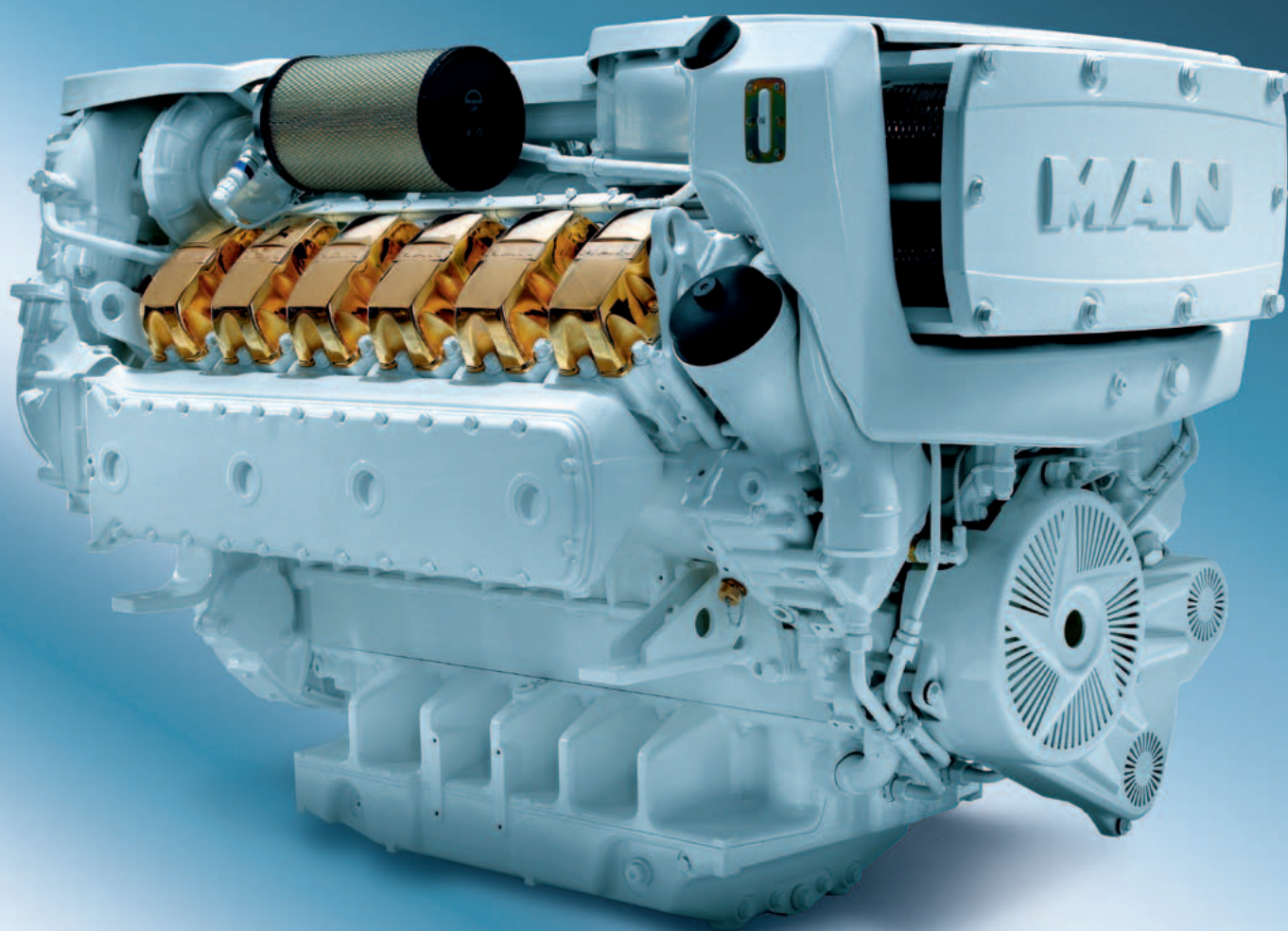
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## **V12-1400 and V12-1550.**

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 V12-1400 and V12-1550.

### Characteristics

■ Cylinders and arrangement:	12 cylinders in 90° V design
■ Operation mode:	4-stroke diesel engine, watercooled
■ Turbocharging:	1-stage 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:	Plate heat exchanger, seawater cooled
■ 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, 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 V12-1400 and V12-1550

Type of engine		V12-1400	V12-1550
Displacement	l	24.24	24.24
Maximum output to DIN ISO 3046-1 <sup>1)</sup>	kW (hp)	1,029 (1,400)	1,140 (1,550)
Rated speed	rpm	2,300	2,300
Maximum torque	Nm	4,670	5,140
at speed	rpm	1,200–2,100	1,300–2,100
Weight (dry)	kg	2,270	2,270
Fuel consumption at rated power	l/h	266	296
Classifiable		✓	–

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

Dimensions		V12-1400	V12-1550
A-Overall width of engine	mm	1,270	1,153
B-Overall length of engine	mm	2,230	2,124
C-Overall height of engine	mm	1,289	1,289
D-Top of engine to crankshaft centre	mm	825	825
E-Length of engine from front end to edge of flywheel housing	mm	1,614	1,630

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

