

MARINE

High speed engines for pleasure boats



MAN Engines



Pure pleasure

Performance gives power its beauty: With powers ranging from 730 to 1,900 hp, MAN yacht engines are Europe's number one. MAN engines impress with their extraordinary dynamics, their extreme running smoothness, economy and their trend-setting environmental friendliness. The finest from modern common rail.

www.man-engines.com





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Enjoy life on the ocean with a MAN engine

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Enjoy life on the ocean with a MAN engine

MAN Service: Competent and motivated

MAN is there for you from the outset. Where qualified guidance is needed for the installation, our experts are at your side with advice and practical assistance. Of course you can always rely on our worldwide service network.

Qualified service centres provide you with fast and skilled servicing and repairs. Worldwide partners ensure a service network for marine engines. As you can see we are there whenever and wherever you need us.

MAN Environmental Awareness: Future-oriented and ecofriendly

At MAN, we attach very great importance indeed to eco-friendliness. Every day, our engineers do their utmost to develop eco-friendly engines which comply with current emission standards worldwide.

With their particularly low fuel consumption, MAN engines not only ensure high economy, but also protect our environment. And your ears: this means that the quiet yet very powerful engine makes every trip a unique experience. Real recreation – both for the customer and the environment.



MAN Gold Standard: More safety and improved warranty

The MAN Gold Standard® seal of quality is a perfectly matched overall concept which complies with excellent quality standards both in regards to installation as well as in regards to tuning of the MAN engine system. Close cooperation between shipbuilder and the MAN engine specialists ensures that an engine compartment with optimum technical features is implemented. Improved technology and simplified access to the individual servicing points on the engine drastically speed up servicing work.

This allows you to cut costs in the short term and maintain the value of the boat in the long term. This certificate of quality gives customers enhanced reliability and a longer warranty on the engine and its components. If you want only the best, you should rely on the MAN Gold Standard®.

Please contact your local dealer concerning this 5-years factory warranty.



Two years' warranty on MAN service and parts: Higher quality, more time

We know that MAN Genuine Parts are characterised by their quality and precise fit. Combined with the qualified and professional work at MAN service centres, they ensure reliability: reduced downtimes and a longer service life. We are now passing this security on to you. Instead of the one year we offer now the two years' warranty on MAN Genuine Parts and MAN Genuine Parts ecoline. That means double the security for you.

The MAN Truck & Bus AG two-year warranty is valid for all repairs carried out at MAN service centres¹⁾ from 2017²⁾ onwards, including repairs where MAN Genuine Parts and MAN Genuine Parts ecoline are fitted. The scope of service is identical to the previously valid one-year warranty. Please refer to our General Terms & Conditions for more information.

We cover the following costs as part of a warranty case:

- Costs for work time and spare parts directly related to the repair of the defect or to the exchange of faulty parts.
- Installation and removal costs are covered if the original scope of delivery also included the installation of the part³⁾.
- Certain additional costs are covered after inspection, night time/weekend charges, on-site repairs, courier costs.

Our genuine engines deserve MAN Genuine Parts – now with two years' warranty*.

1) MAN-owned service outlets and participating partners

2) See validity of the General Terms & Conditions

3) Installation and removal costs are not covered in the case of counter sales

Customer Benefits

High performance
combined with low weight

Powerful acceleration and
rapid reaction to commands

Compact,
space-saving design

World-wide service
network
with rapid supply of spare parts

Low emission value

Low running costs and
long service life

High efficiency
owing to low fuel consumption

High tractive power
even at low speeds





Light duty operation

Characteristics

- Annual operating hours: $\leq 1,000$
- Percentage of time at full load: $\leq 20\%$
- Average load application: $\leq 50\%$

Typical applications

- Pleasure crafts
- Displacement yachts
- Sportfish boats



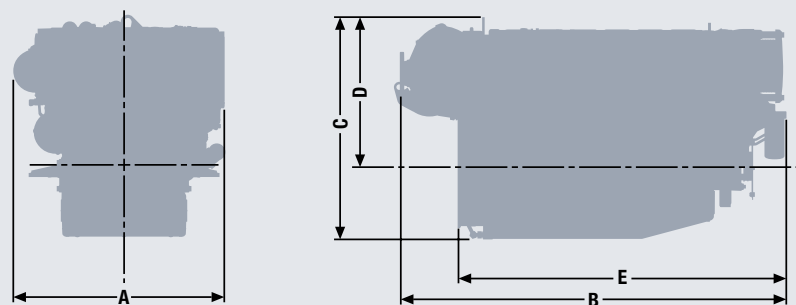


i6-730 and i6-800



Characteristics

- Cylinders and arrangement: 6 cylinders in-line
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Turbocharger with charge air intercooler and waste gate
- 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
- Fuel: DIN EN 590



Dimensions

Type designation		i6-730/i6-800
A-Overall width	mm	986
B-Overall length	mm	1,795
C-Overall height – flat oil pan	mm	1,036
D-Top of engine to crankshaft centre	mm	327
E-Length of engine from front end to edge of flywheel housing	mm	1,527
Average weight of engine ready for installation (dry)	kg	1,215

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

Technical features

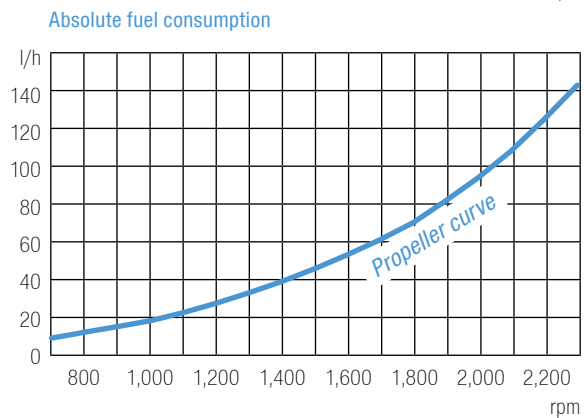
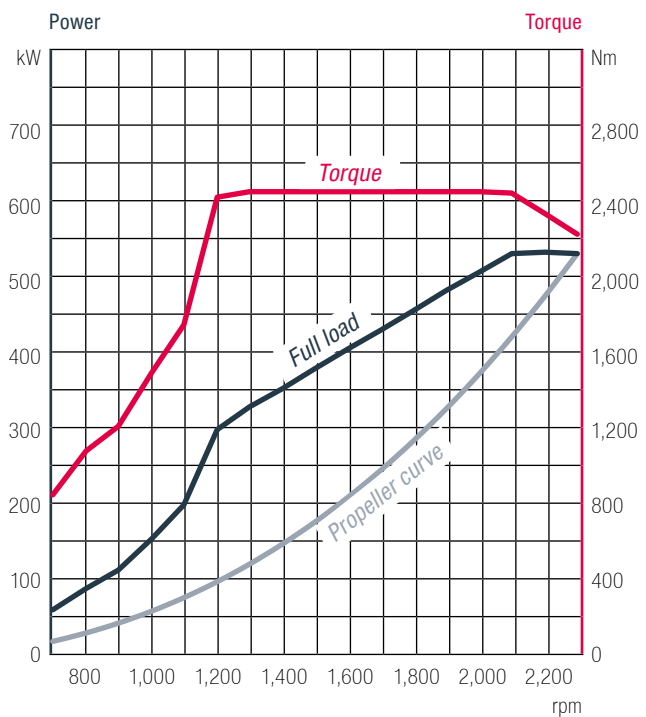
Type designation		i6-730	i6-800
Displacement	l	12.42	12.42
Maximum output to DIN ISO 3046-1	kW (hp)	537 (730)	588 (800)
Rated speed	rpm	2,300	2,300
Maximum torque	Nm	2,450	2,674
at speed	rpm	1,300–2,100	1,400–2,000
Absolute fuel consumption at rated power ¹⁾	l/h	142	158
Classifiable		✓	–
Exhaust gas status		IMO Tier II, EPA Tier 3, RCD 2013/53/EC, 97/68/EC	IMO Tier II, EPA Tier 3 ²⁾ , RCD 2013/53/EC, 97/68/EC

1) Tolerance +5% according to DIN ISO 3046-1

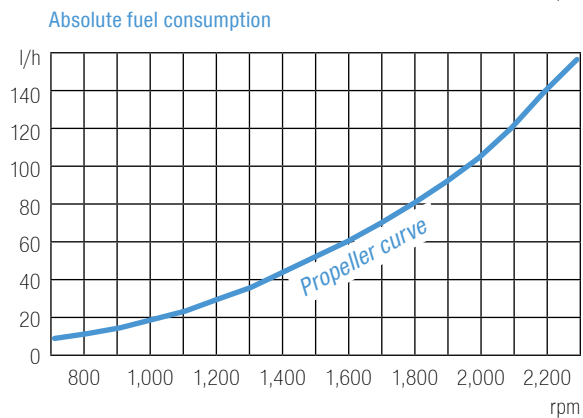
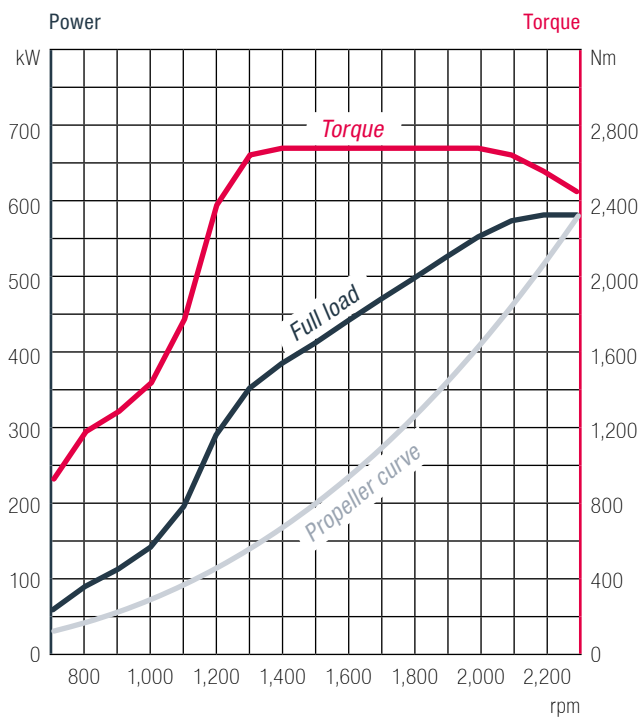
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i6-730



i6-800

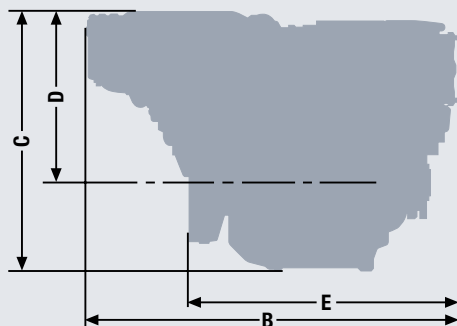
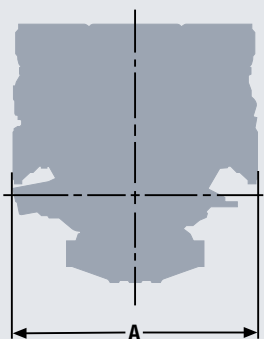


V8-1000 and V8-1200



Characteristics

- Cylinders and arrangement: 8 cylinders in 90° V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Turbocharger with charge air intercooler and waste gate
(1-stage: V8-1000, 2-stage: V8-1200)
- 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
- Fuel: DIN EN 590



Dimensions

Type designation		V8-1200	V8-1200
A-Overall width	mm	1,153	1,153
B-Overall length	mm	1,745	1,745
C-Overall height – flat oil pan	mm	1,177	1,222
D-Top of engine to crankshaft centre	mm	765	811
E-Length of engine from front end to edge of flywheel housing	mm	1,243	1,262
Average weight of engine ready for installation (dry)	kg	1,780	1,880

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

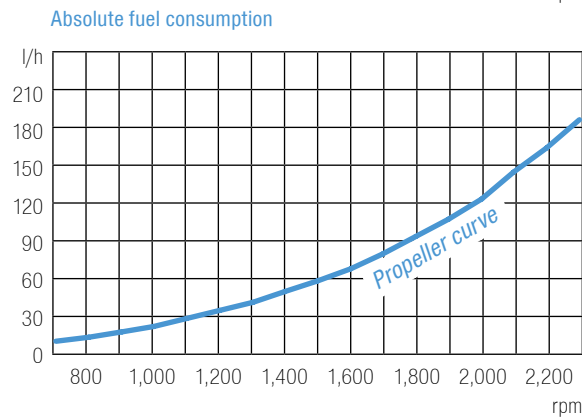
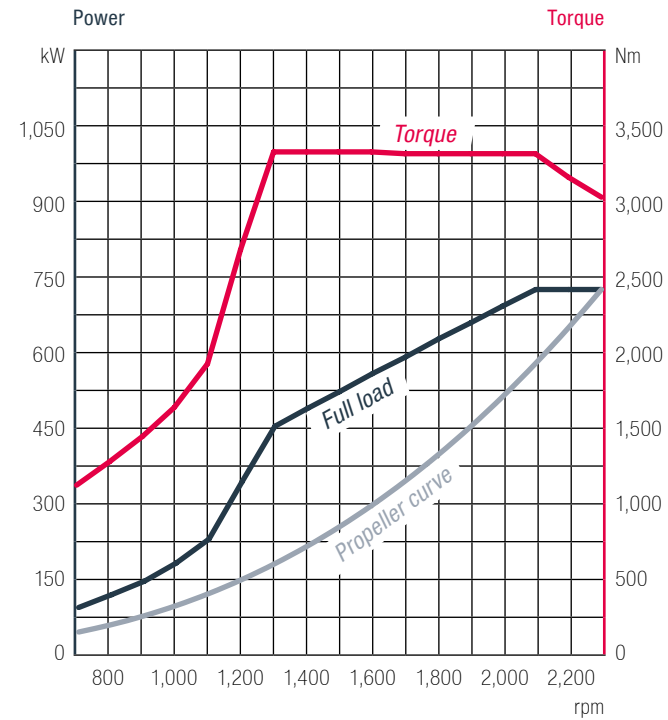
Technical features

Type designation		V8-1000	V8-1200
Displacement	l	16.16	16.16
Maximum output to DIN ISO 3046-1	kW (hp)	735 (1,000)	882 (1,200)
Rated speed	rpm	2,300	2,300
Maximum torque	Nm	3,340	4,010
at speed	rpm	1,300–2,100	1,200–2,100
Absolute fuel consumption at rated power ¹⁾	l/h	199	240
Classifiable		–	–
Exhaust gas status		IMO Tier II, EPA Tier 3 ²⁾ , RCD 2013/53/EC, 97/68/EC	IMO Tier II, EPA Tier 3 ²⁾ , RCD 2013/53/EC, 97/68/EC

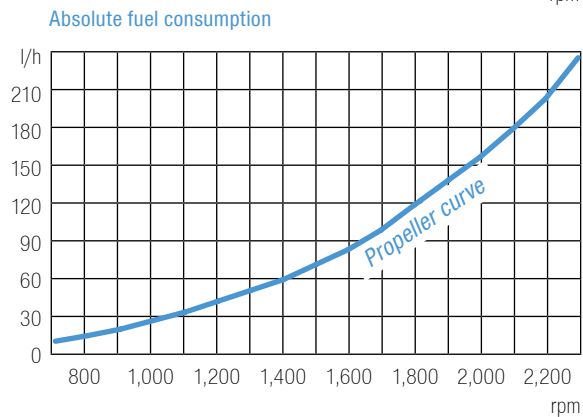
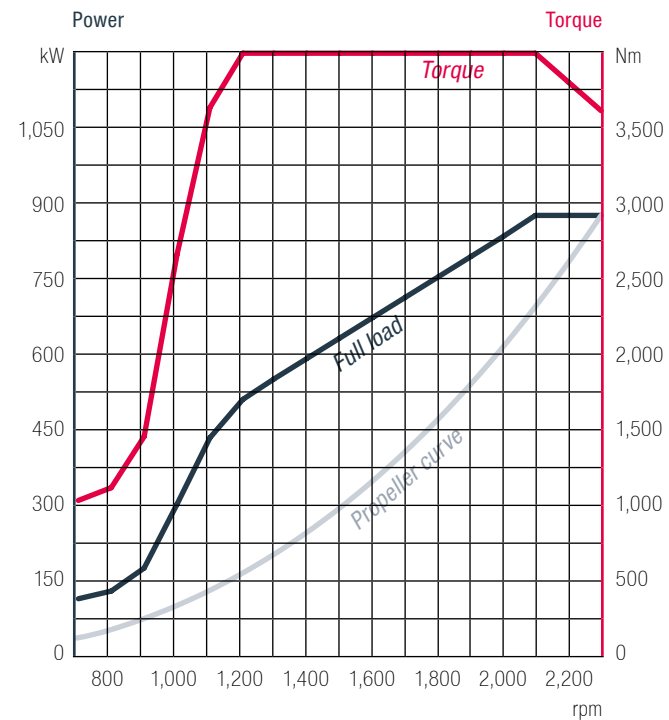
1) Tolerance +5% according to DIN ISO 3046-1
2) for private use only



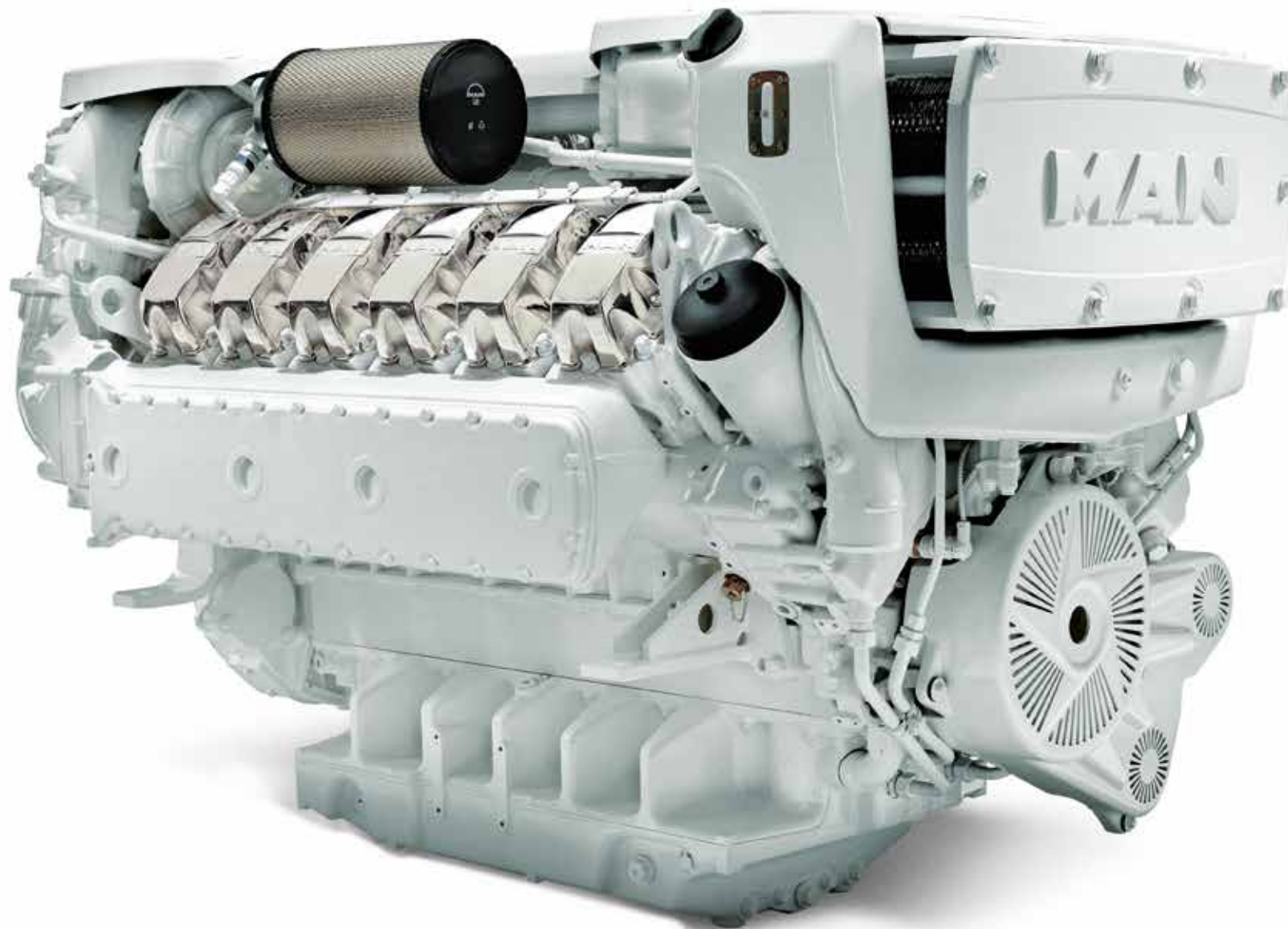
V8-1000



V8-1200

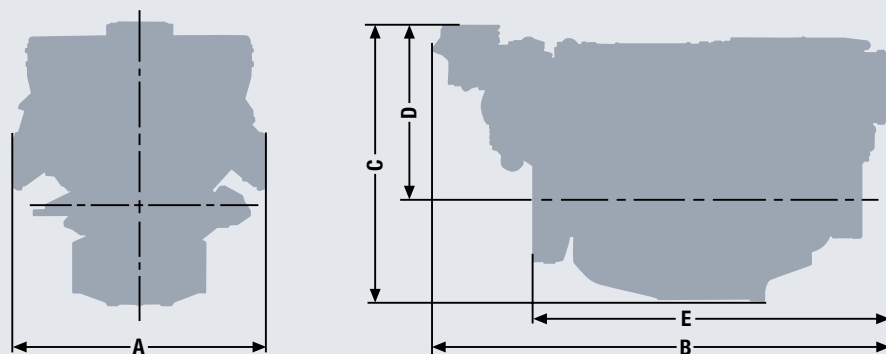


V12-1400 and V12-1550



Characteristics

- Cylinders and arrangement: 12 cylinders in 90° V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Turbocharger with charge air intercooler and waste gate
- 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)
- Fuel: Electronic engine monitoring including diagnostic unit
DIN EN 590



Dimensions

Type designation		V12-1400/ V12-1550
A-Overall width	mm	1,153
B-Overall length	mm	2,130
C-Overall height – flat oil pan	mm	1,230
D-Top of engine to crankshaft centre	mm	765
E-Length of engine from front end to edge of flywheel housing	mm	1,630
Average weight of engine ready for installation (dry)	kg	2,270

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

Technical features

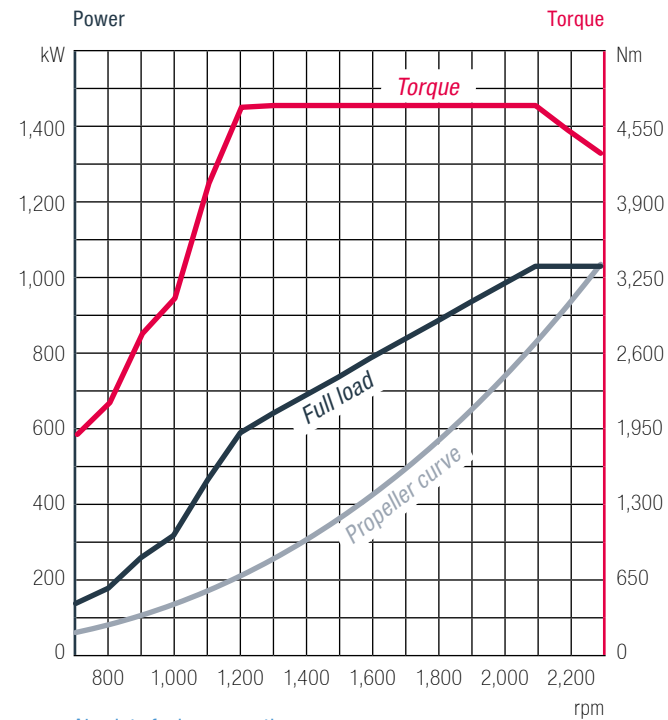
Type designation		V12-1400	V12-1550
Displacement	l	24.24	24.24
Maximum output to DIN ISO 3046-1	kW (hp)	1,029 (1,400)	1,140 (1,550)
Rated speed	rpm	2,300	2,300
Maximum torque	Nm	4,680	5,180
at speed	rpm	1,200–2,100	1,200–2,100
Absolute fuel consumption at rated power ¹⁾	l/h	267	299
Classifiable		✓	–
Exhaust gas status		IMO Tier II, EPA Tier 3 ²⁾ , RCD 2013/53/EC, 97/68/EC	IMO Tier II, EPA Tier 3 ²⁾ , RCD 2013/53/EC, 97/68/EC

1) Tolerance +5% according to DIN ISO 3046-1

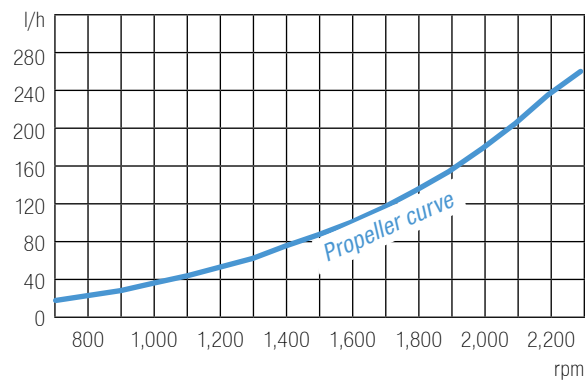
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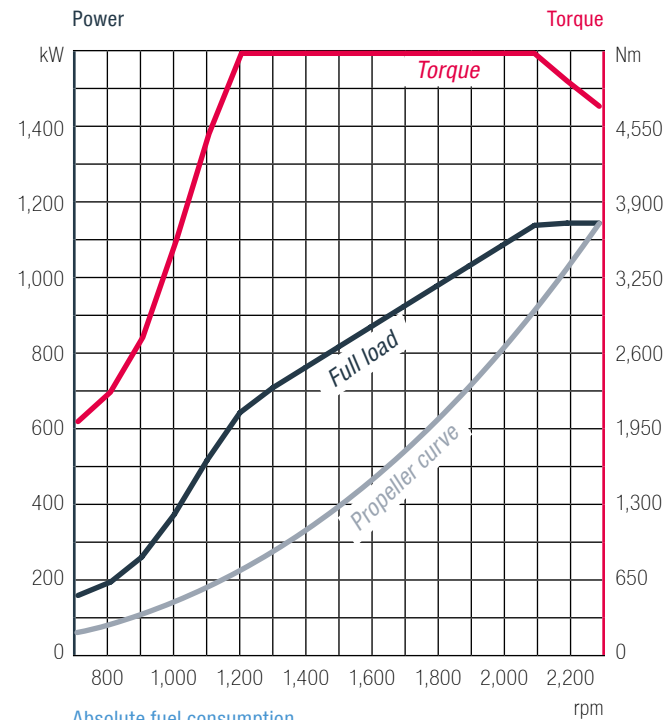
V12-1400



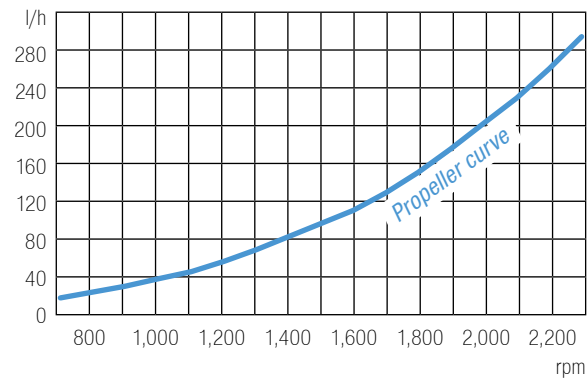
Absolute fuel consumption



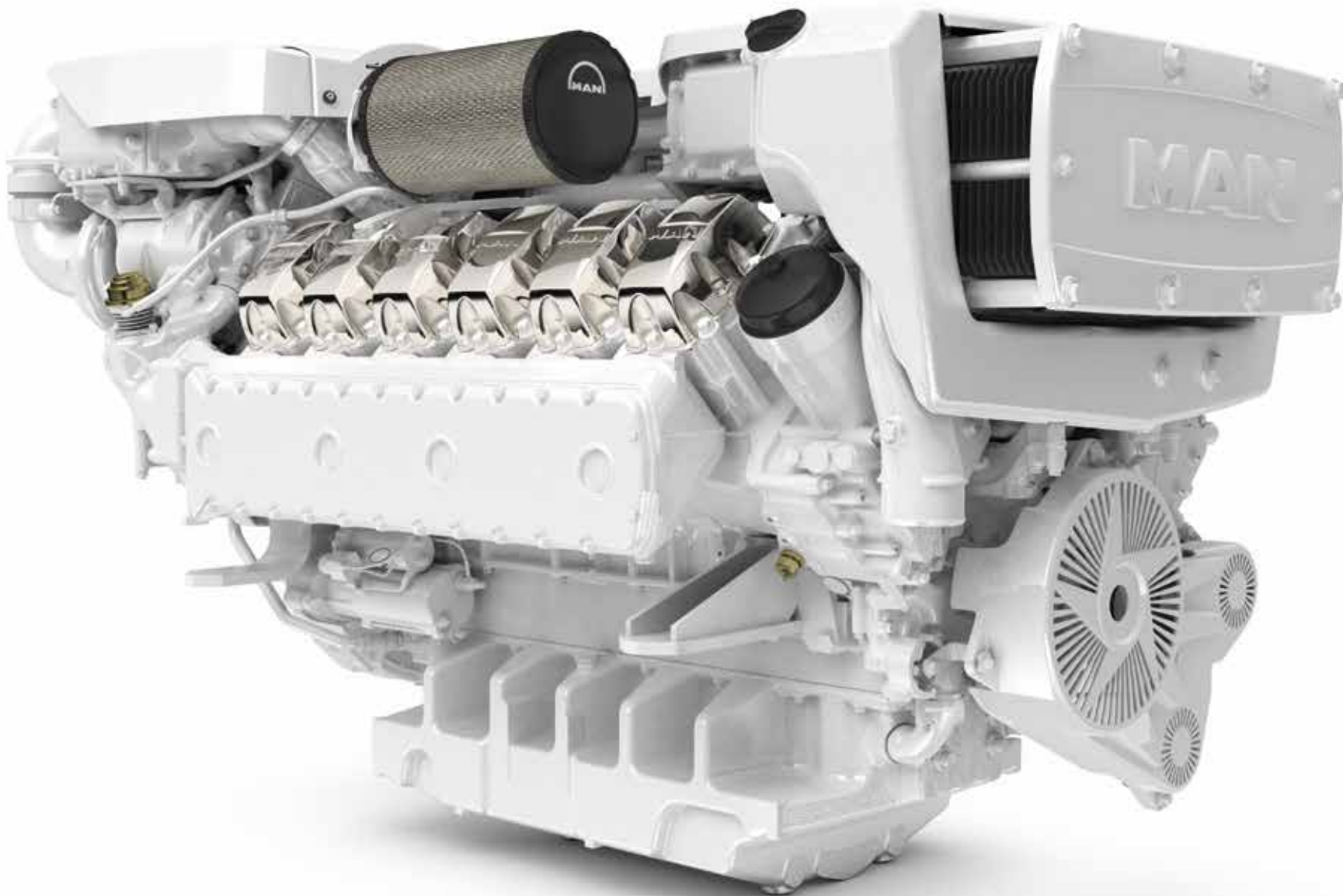
V12-1550



Absolute fuel consumption

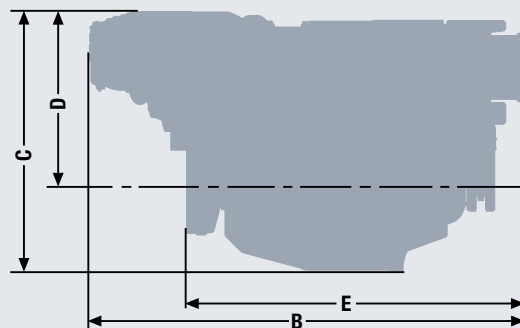
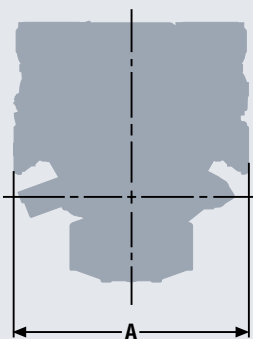


V12-1650 and V12-1800



Characteristics

- Cylinders and arrangement: 12 cylinders in 90° V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: 2-stage turbocharger with charge air intercooler and waste gate
- 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)
- Fuel: Electronic engine monitoring including diagnostic unit
DIN EN 590



Dimensions

Type designation

V12-1650/1800

A-Overall width	mm	1,153
B-Overall length	mm	2,139
C-Overall height – flat oil pan	mm	1,275
D-Top of engine to crankshaft centre	mm	808
E-Length of engine from front end to edge of flywheel housing	mm	1,658
Average weight of engine ready for installation (dry)	kg	2,380

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

Technical features

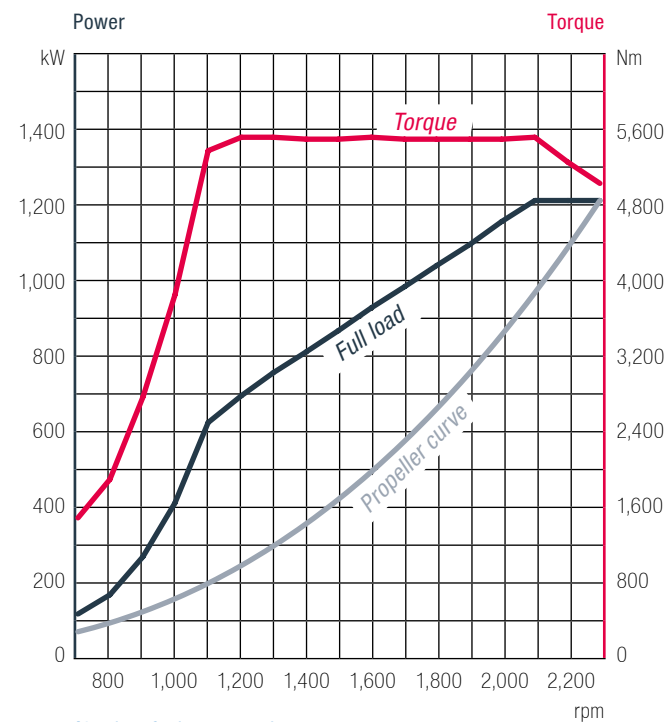
Type designation		V12-1650	V12-1800
Displacement	l	24.24	24.24
Maximum output to DIN ISO 3046-1	kW (hp)	1,213 (1,650)	1,324 (1,800)
Rated speed	rpm	2,300	2,300
Maximum torque	Nm	5,510	6,010
at speed	rpm	1,200–2,100	1,200–2,100
Absolute fuel consumption at rated power ¹⁾	l/h	323	351
Classifiable		✓	–
Exhaust gas status		IMO Tier II, EPA Tier 3 ²⁾ , RCD 2013/53/EC, 97/68/EC	IMO Tier II, EPA Tier 3 ²⁾ , RCD 2013/53/EC, 97/68/EC

1) Tolerance +5% according to DIN ISO 3046-1

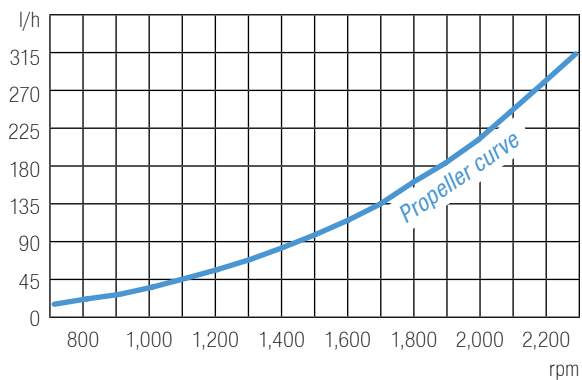
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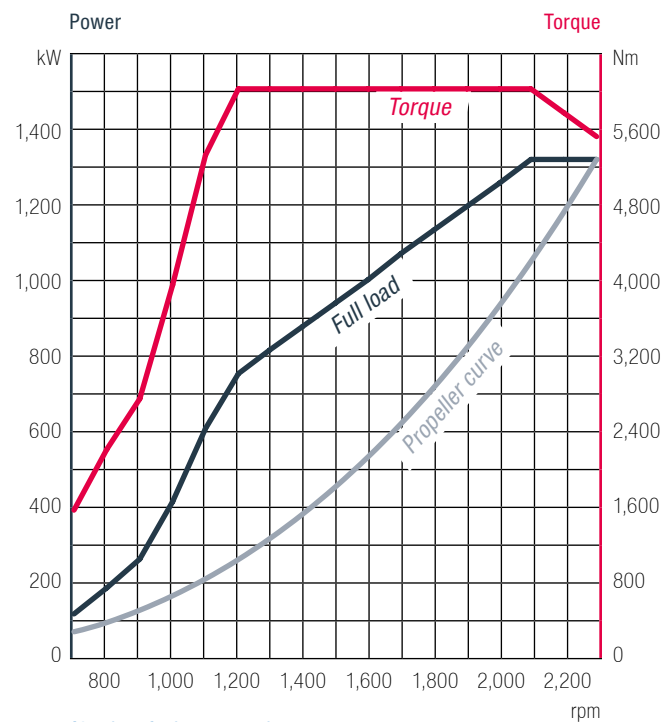
V12-1650



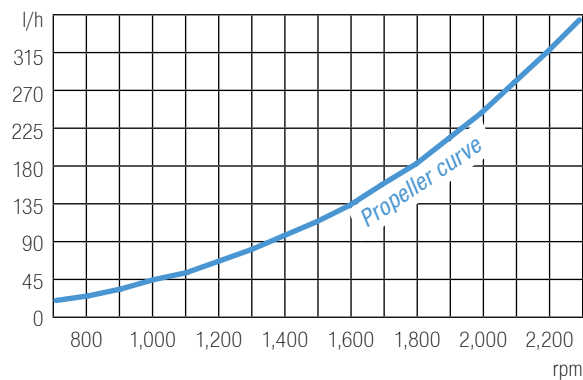
Absolute fuel consumption



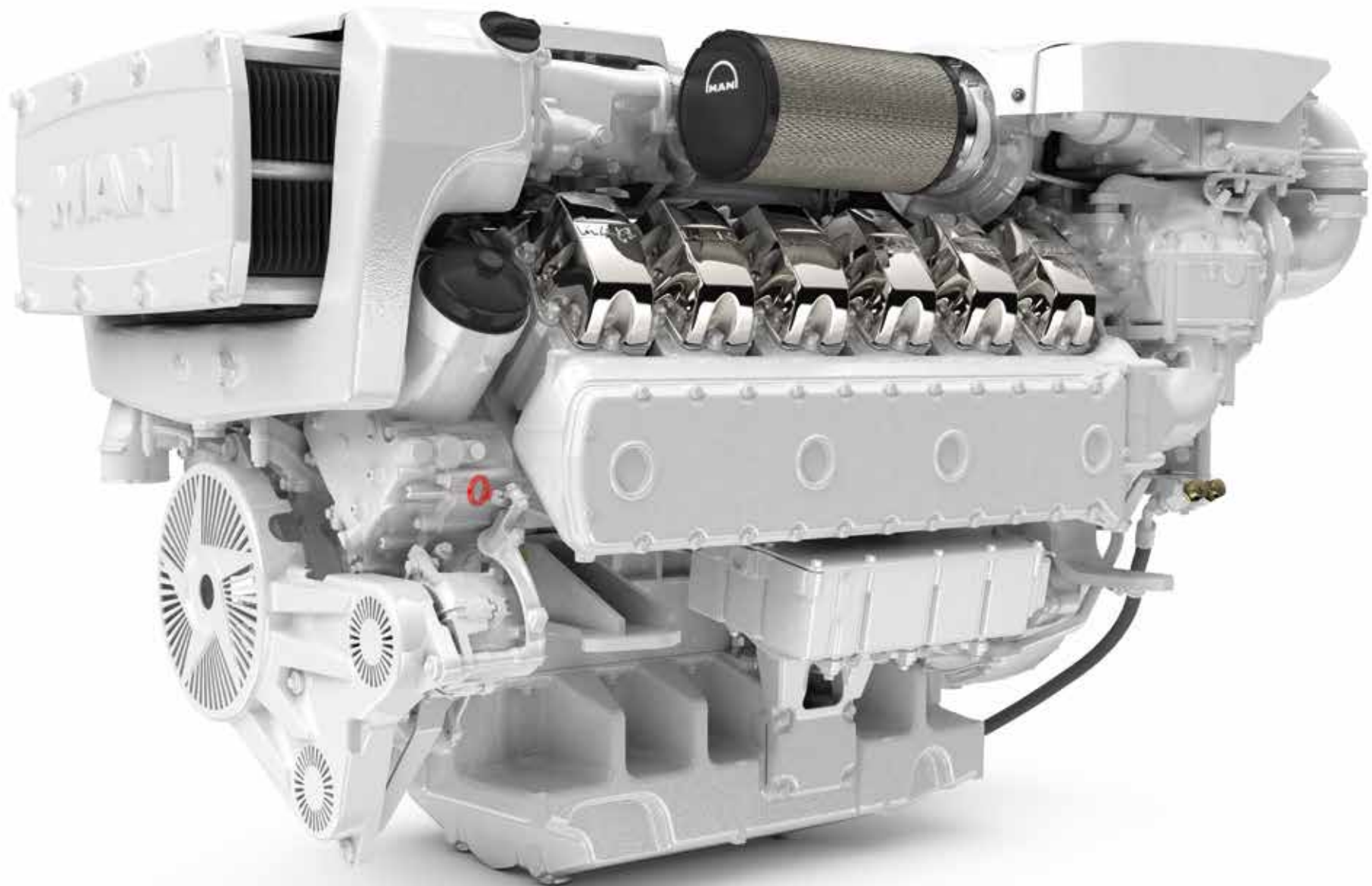
V12-1800



Absolute fuel consumption

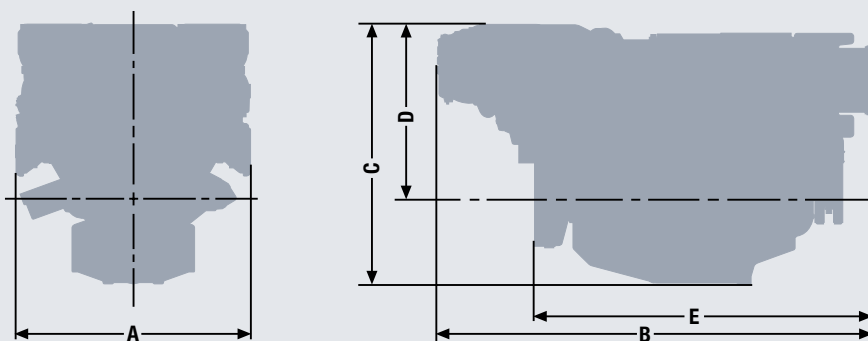


V12-1900



Characteristics

- Cylinders and arrangement: 12 cylinders in 90° V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Turbocharger with charge air intercooler and waste gate
- 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
- Fuel: DIN EN 590



Dimensions

Type designation		V12-1900
A-Overall width	mm	1,153
B-Overall length	mm	2,139
C-Overall height – flat oil pan	mm	1,272
D-Top of engine to crankshaft centre	mm	808
E-Length of engine from front end to edge of flywheel housing	mm	1,658
Average weight of engine ready for installation (dry)	kg	2,380

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

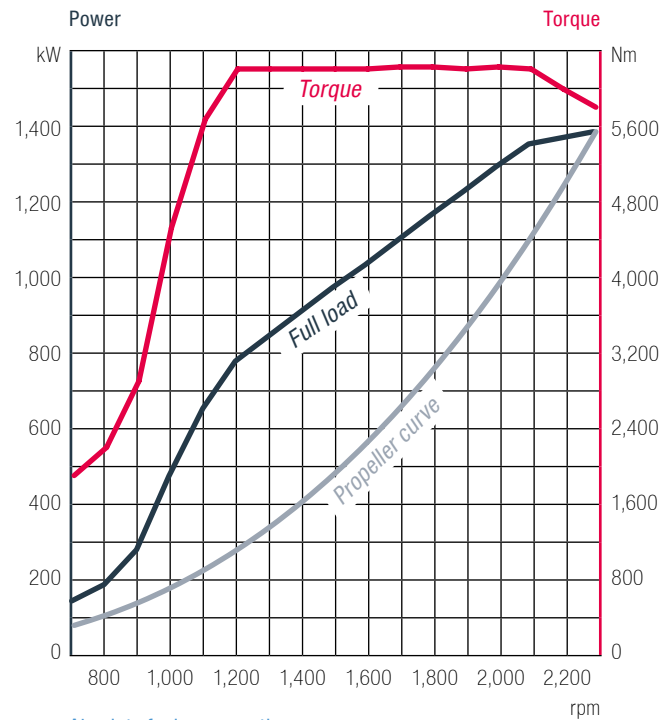
Technical features

Type designation		V12-1900
Displacement	l	24.24
Maximum output to DIN ISO 3046-1	kW (hp)	1,397 (1,900)
Rated speed	rpm	2,300
Maximum torque	Nm	6,220
at speed	rpm	1,200–2,100
Absolute fuel consumption at rated power ¹⁾	l/h	373
Classifiable		–
Exhaust gas status		IMO Tier II, EPA Tier 3 ²⁾ , RCD 2013/53/EC, 97/68/EC

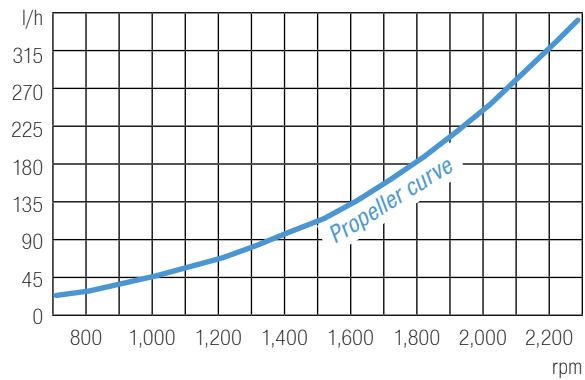
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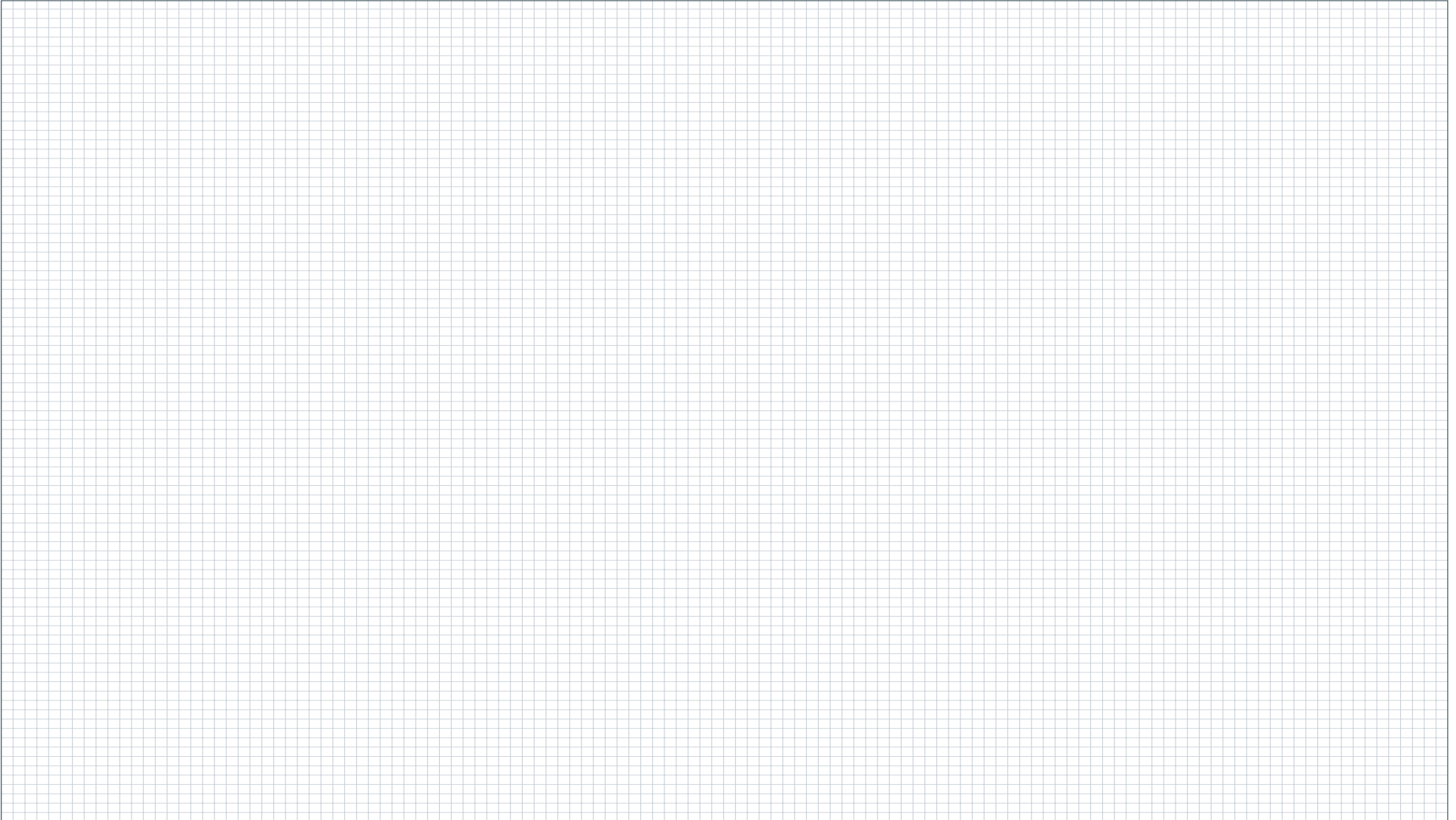
V12-1900



Absolute fuel consumption



Notes



Engine range

6 inline, V8 and V12 engines

Characteristics	Unit	i6		V8		V12				
Type designation		730	800	1000	1200	1400	1550	1650	1800	1900
Arrangement and number of cylinders		R6	R6	V8	V8	V12	V12	V12	V12	V12
Nominal rating	hp	730	800	1,000	1,200	1,400	1,550	1,650	1,800	1,900
Maximum torque	Nm	2,450	2,674	3,340	4,010	4,680	5,180	5,510	6,020	6,220
Engine classifiable		✓	–	–	–	✓	–	✓	–	–
Rated speed	rpm	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300
Fuel consumption	l/h	142	158	199	240	267	299	323	351	373
Bore/Stroke	mm	126/166	126/166	128/157	128/157	128/157	128/157	128/157	128/157	128/157
Displacement	l	12.42	12.42	16.16	16.16	24.24	24.24	24.24	24.24	24.24
Length of engine from front end to edge of flywheel housing	mm	1,527	1,527	1,243	1,262	1,630	1,630	1,658	1,658	1,658
Width	mm	986	986	1,153	1,153	1,153	1,153	1,153	1,153	1,153
Height	mm	1,036	1,036	1,177	1,222	1,230	1,230	1,275	1,275	1,275
Dry weight	kg	1,215	1,215	1,780	1,880	2,270	2,270	2,380	2,380	2,380
Exhaust gas status		A	B	B	B	B	B	B	B	B

- AIMO Tier II, EPA Tier 3, RCD 2013/53/EC, 97/68/EC
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