



Marine

High speed engines for fast boats

MAN Engines

A Division of MAN Truck & Bus



Performance gives power its beauty





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70 % of the earth is covered by water

Reason enough to enjoy life on the ocean with a MAN engine

With powers ranging from 730 to 1,800 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 technology.

Customer Benefits

- 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

Get out there and fish it with a MAN Engine

That's a lot of water to cover, and a large amount of fish that comes along with it. Get those lines cast in every one of your "hot spots" with the power of MAN engines covering the distance. Our high-performance R6, V8 and V12 marine engines are just built for pleasure crafts, so you can sportfish in complete comfort and style while getting the fuel efficiency, clean running, smooth acceleration, quiet operation, and total reliability you expect. With a MAN on board, you're already starting off with a nice catch.

Get out there and enjoy it with a MAN Engine

Straight six-cylinder or V8/V12, with their innovative and dependable technology, MAN yacht engines open up new dimensions on the water. They develop enormous torque even at low revs – the kind of power you feel as a tingling down the spine. Breathtaking acceleration and high speeds are experiences to be savoured, yet our compact, lightweight power units are decidedly modest when it comes to fuel consumption. With a MAN on board, you're already starting off the day right.





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®.





Light duty operation

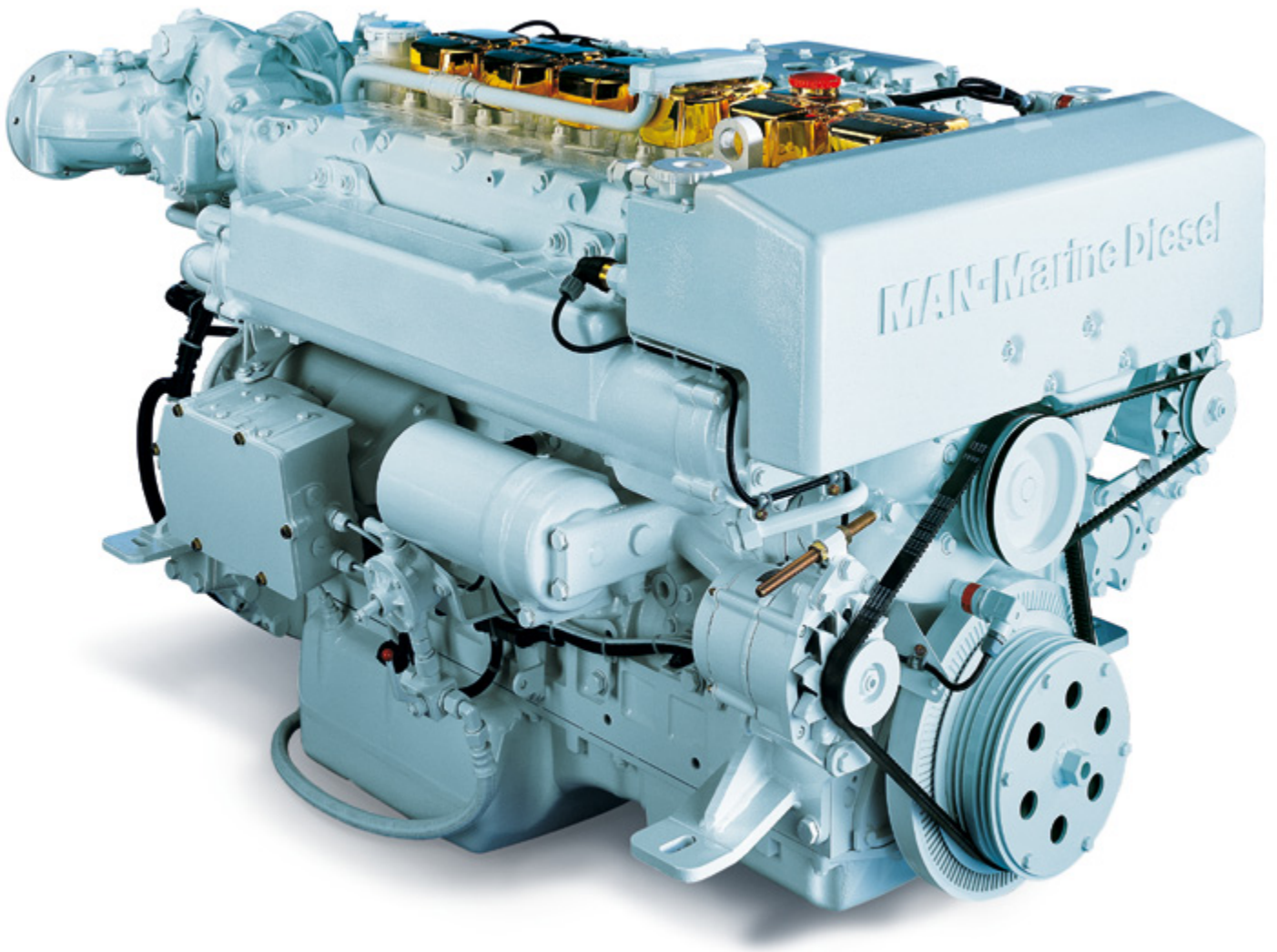
Definition of application type

Characteristics

- Annual operating hours: $\leq 1,000$
- Percentage of time at full load: $\leq 20\%$
- Average load application: $\leq 50\%$
- Particular operation conditions: no wide-open throttle below rated speed
- Average TBO operating hours: ≤ 5000
- Oil change interval: ≤ 400 hours

Typical applications

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



R6-730 and R6-800

Engine description

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: 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

R6-730 and R6-800

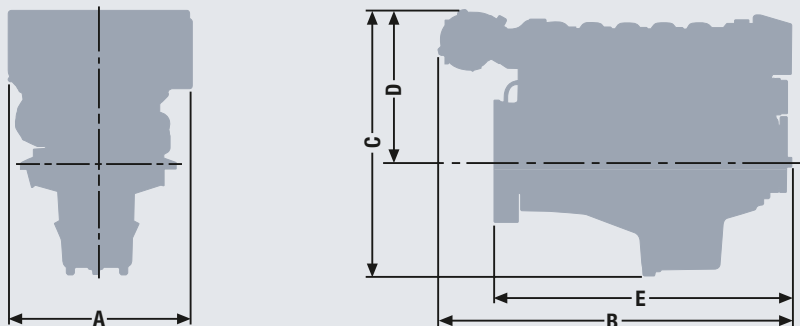
Technical data

Technical features R6-730 and R6-800

Type designation		R6-730	R6-800
Displacement	l	12.82	12.82
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	2,700
at speed	rpm	1,200–2,100	1,300–2,100
Absolute fuel consumption at rated power ¹⁾	l/h	145	158
Exhaust gas status		IMO Tier 2, EPA Tier 3 ²⁾ , RCD 94/25/EC, 97/68/EC, SAV/BSO	IMO Tier 2, EPA Tier 3 ²⁾ , RCD 94/25/EC, 97/68/EC, SAV/BSO

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

2) Increased fuel consumption only with EPA Tier 3



Dimensions R6-730 and R6-800

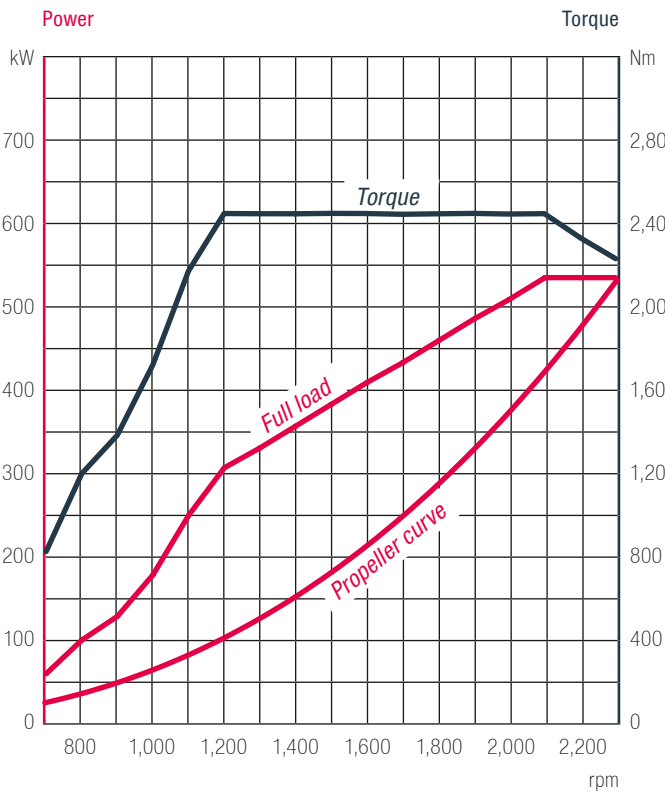
Type designation		R6-730/R6-800
A-Overall width	mm	910
B-Overall length	mm	1,634
C-Overall height – standard oil pan	mm	1,097
D-Top of engine to crankshaft centre	mm	683
E-Length of engine from front end to edge of flywheel housing	mm	1,356
Average weight of engine ready for installation (dry)	kg	1,305

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

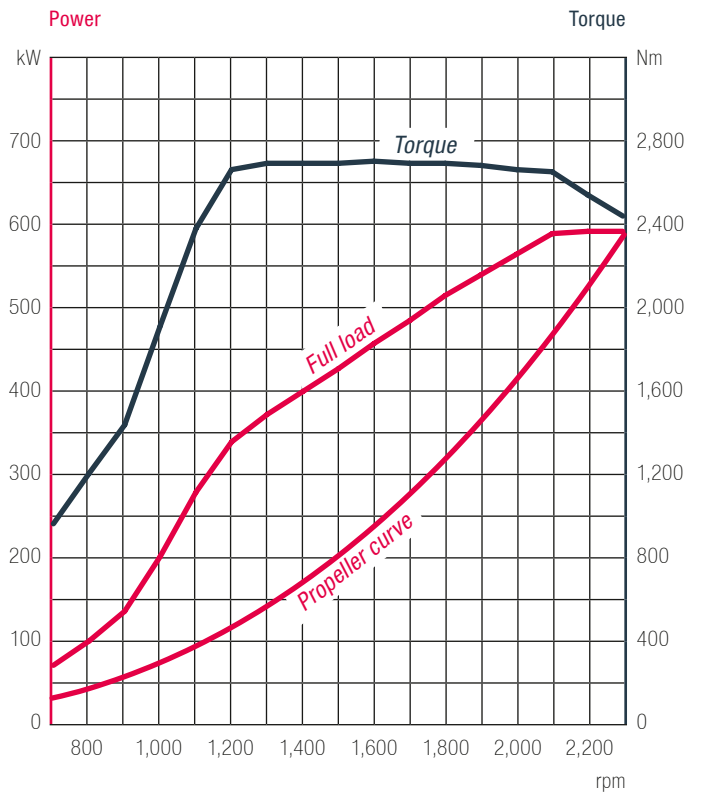
R6-730 and R6-800

Power charts

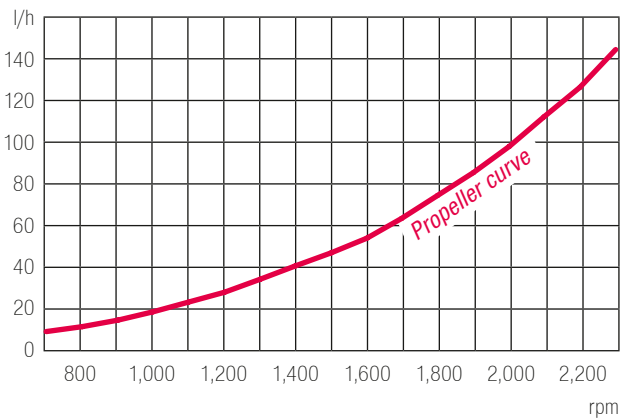
R6-730



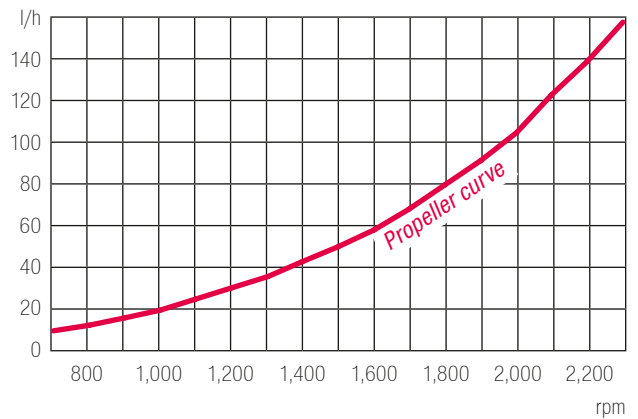
R6-800

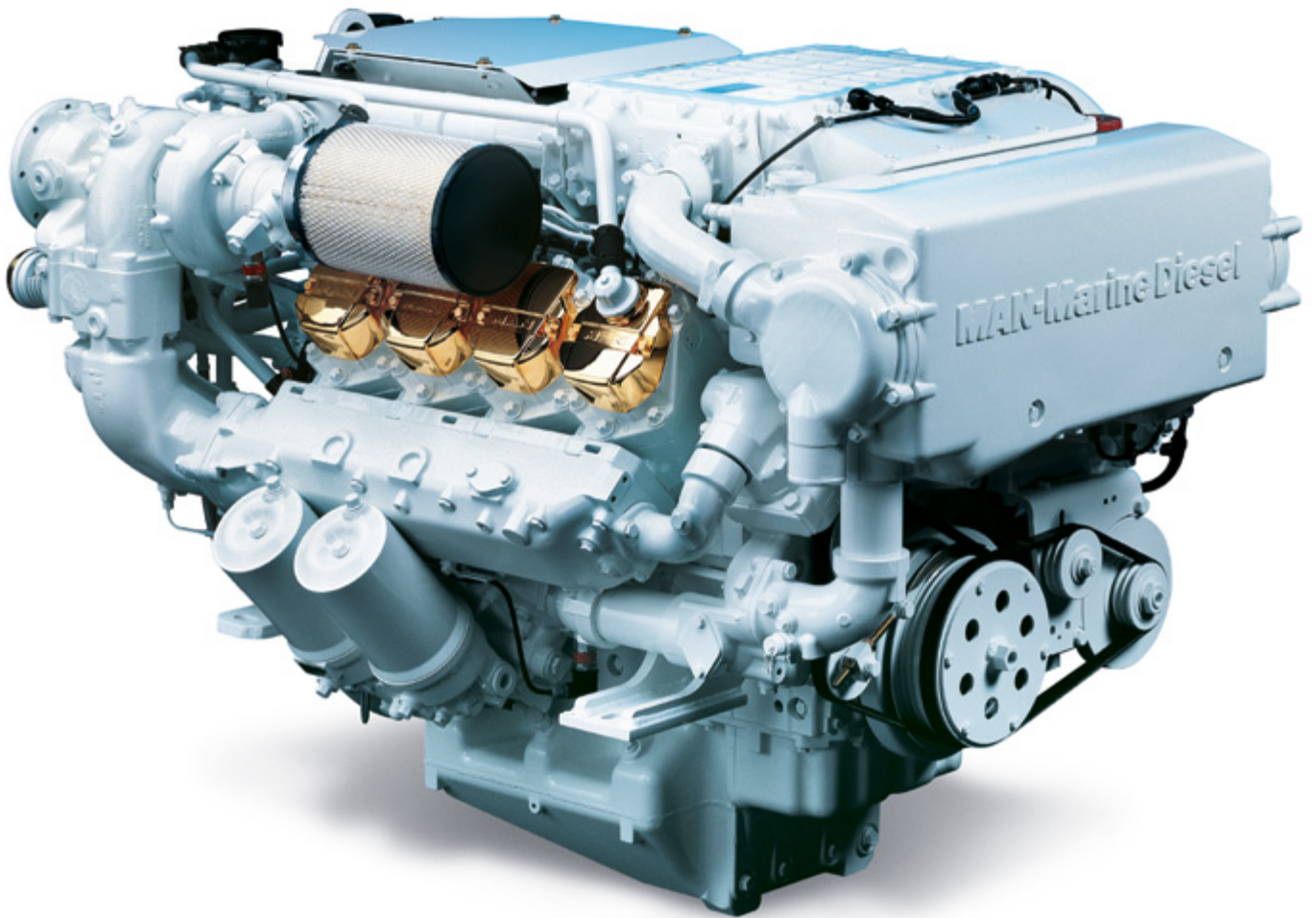


Absolute fuel consumption



Absolute fuel consumption





V8-900

Engine description

Characteristics

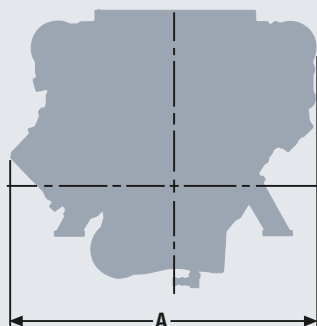
- Cylinders and arrangement: 8 cylinders in 90° V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Exhaust turbocharger with intercooler, boost pressure control with waste gate
- Number of valves: 4 valves per cylinder
- Fuel system: Common Rail direct fuel injection 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

V8-900

Technical data

Technical features V8-900

Type designation	V8-900	
Displacement	l	14.62
Maximum output to DIN ISO 3046-1	kW (hp)	662 (900)
Rated speed	rpm	2,300
Maximum torque	Nm	2,900
at speed	rpm	1,500–2,100
Fuel consumption at rated power	l/h	176
Exhaust gas status	IMO Tier 2, SAV/BSO, RCD 94/25/EC, 97/68/EC	



Dimensions V8-900

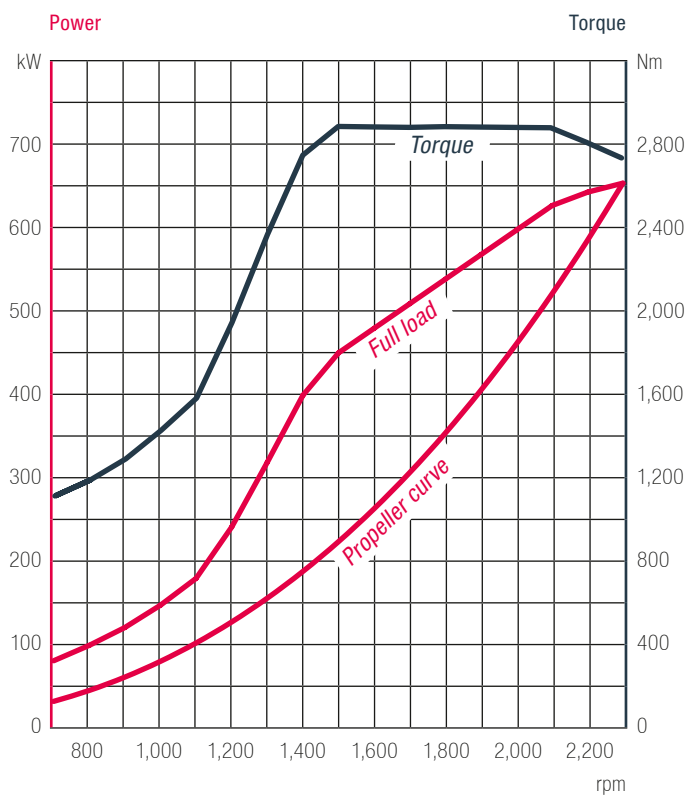
Type designation	V8-900	
A-Overall width	mm	1,240
B-Overall length	mm	1,546
C-Overall height	mm	1,173
D-Top of engine to crankshaft centre	mm	789
E-Length of engine from front end to edge of flywheel housing	mm	1,175
Average weight of engine ready for installation (dry)	kg	1,565

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

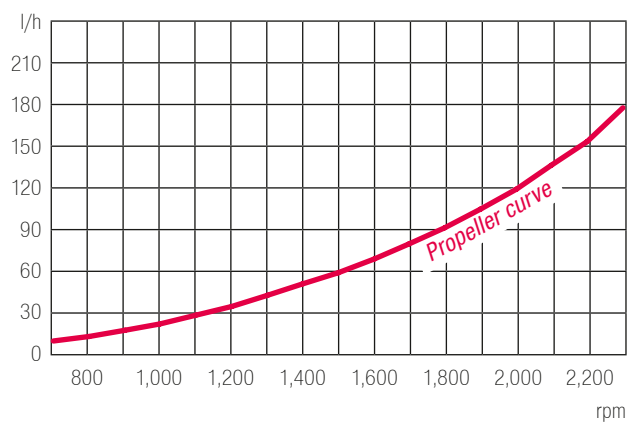
V8-900

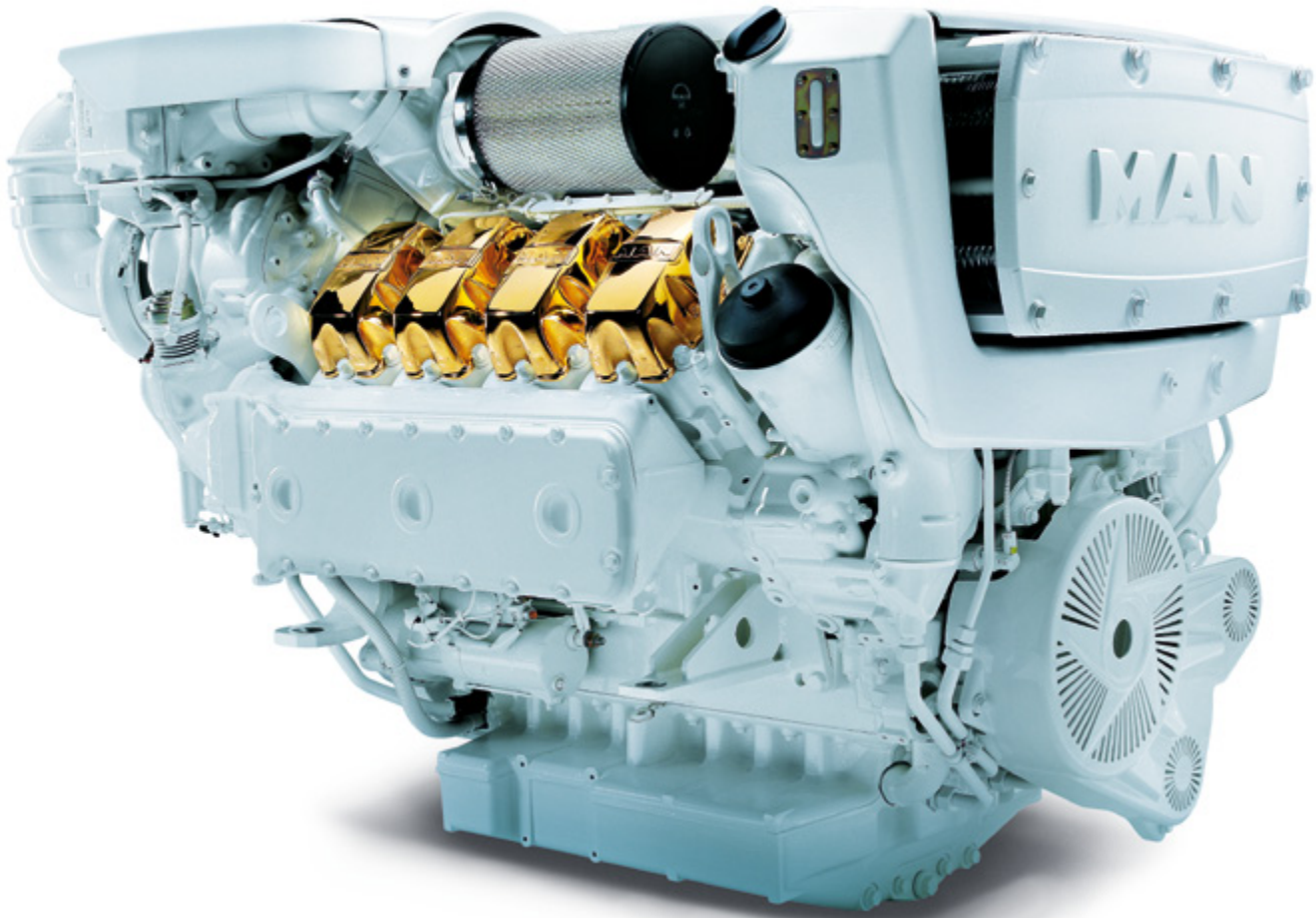
Power charts

V8-900



Absolute fuel consumption





V8-1000 and V8-1200

Engine description

Characteristics

- Cylinders and arrangement: 8 cylinders in 90° V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Exhaust turbocharger with intercooler (1-stage: V8-1000, 2-stage: V8-1200), boost pressure control with 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

V8-1000 and V8-1200

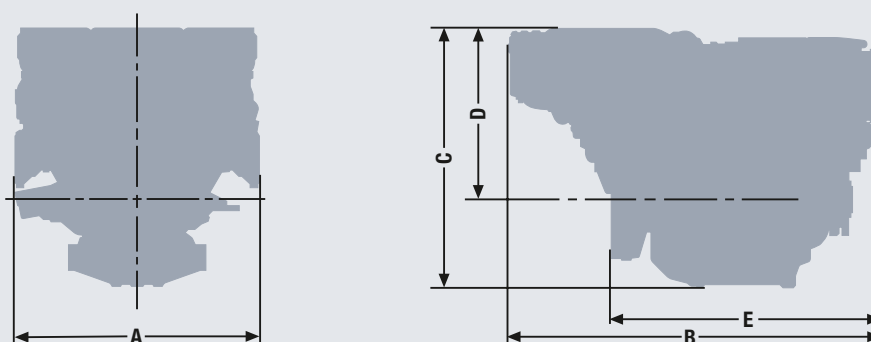
Technical data

Technical features V8-1000 and V8-1200

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	3,350	4,010
at speed	rpm	1,300–2,100	1,200–2,100
Absolute fuel consumption at rated power ¹⁾	l/h	195	231
Exhaust gas status		IMO Tier 2, EPA Tier 3 ²⁾ , RCD 94/25/EC, 97/68/EC	IMO Tier 2, EPA Tier 3 ²⁾ , RCD 94/25/EC, 97/68/EC

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

2) increased fuel consumption only with EPA Tier 3



Dimensions V8-1000 and V8-1200

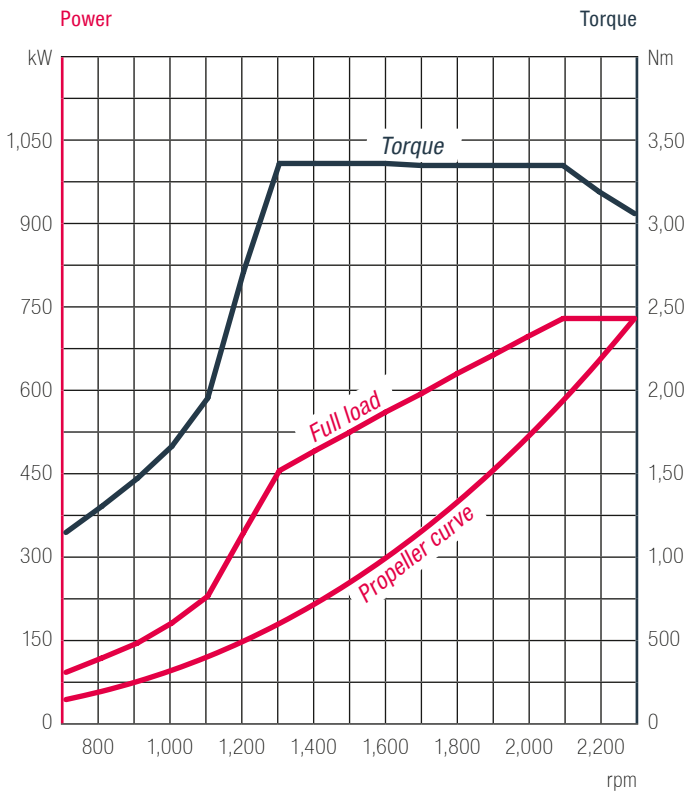
Type designation		V8-1000	V8-1200
A-Overall width	mm	1,153	1,153
B-Overall length	mm	1,736	1,745
C-Overall height	mm	1,236	1,222
D-Top of engine to crankshaft centre	mm	825	811
E-Length of engine from front end to edge of flywheel housing	mm	1,243	1,262
Average weight of engine ready for installation (dry)	kg	1,780	1,875

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

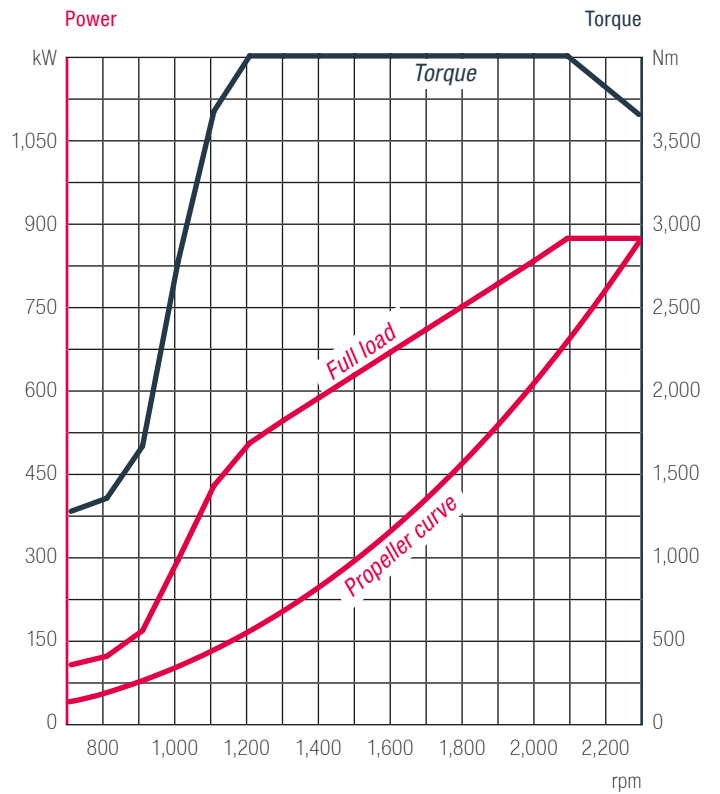
V8-1000 and V8-1200

Power charts

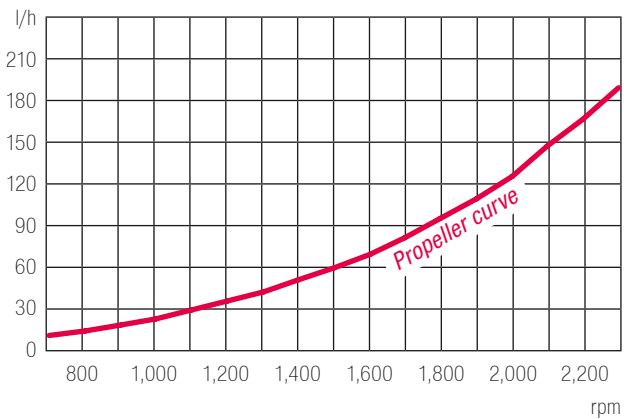
V8-1000



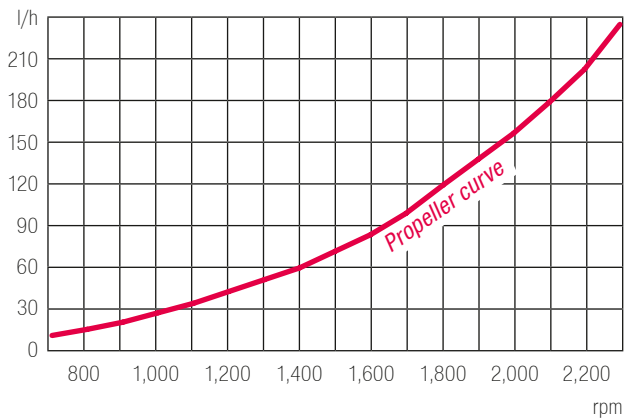
V8-1200

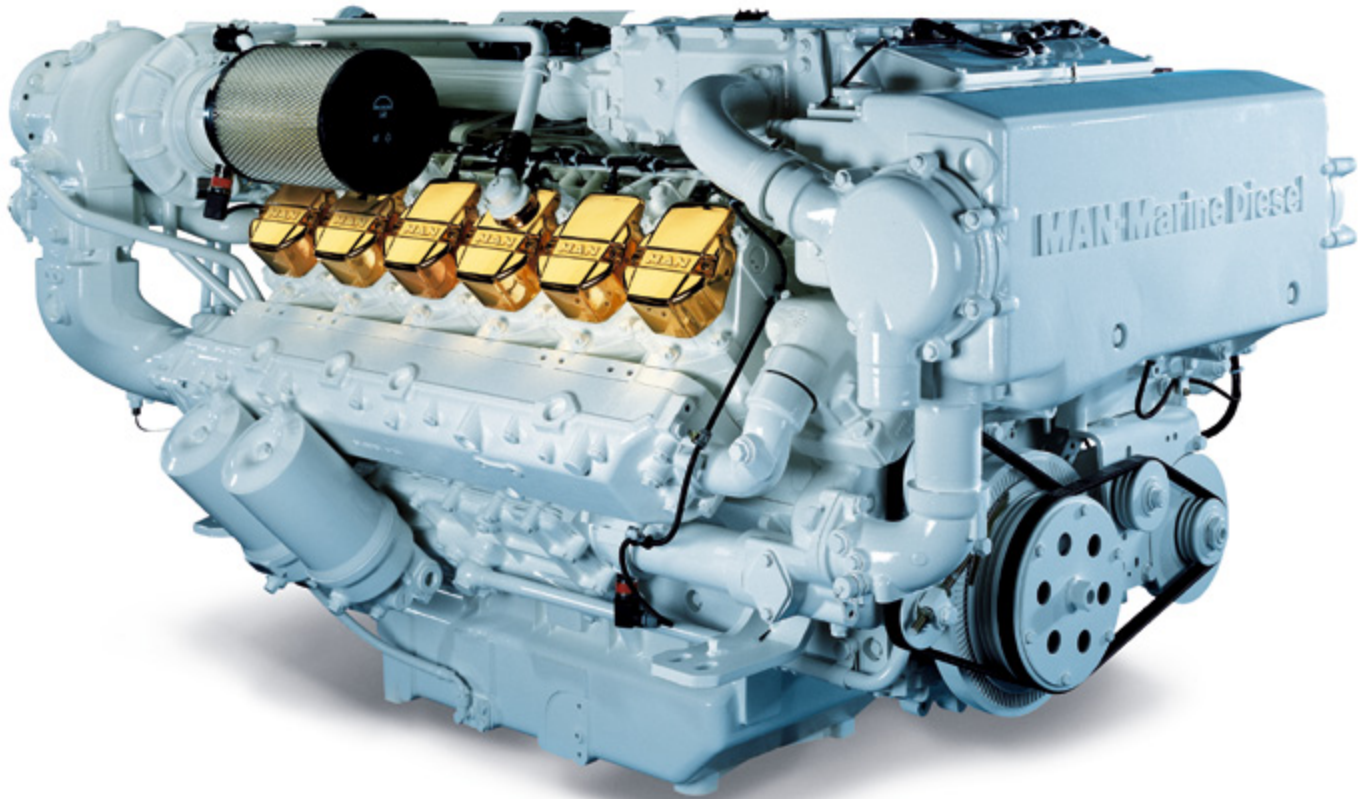


Absolute fuel consumption



Absolute fuel consumption





V12-1360

Engine description

Characteristics

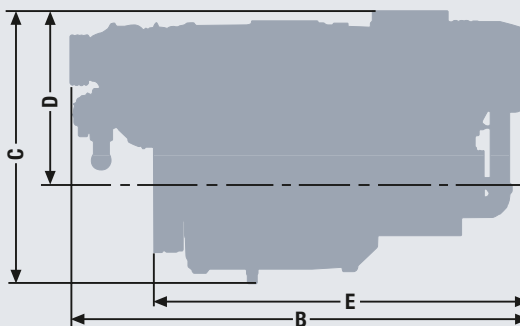
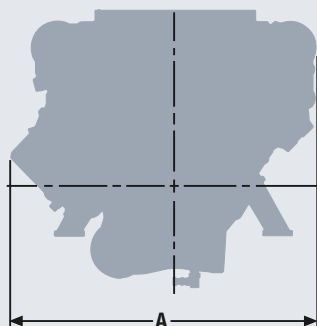
- Cylinders and arrangement: 12 cylinders in 90° V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Exhaust turbocharger with intercooler, boost pressure control with waste gate
- Number of valves: 4 valves per cylinder
- Fuel system: Common Rail direct fuel injection 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

V12-1360

Technical data

Technical features V12-1360

Type designation	V12-1360	
Displacement	l	21.93
Maximum output to DIN ISO 3046-1	kW (hp)	1,000 (1,360)
Rated speed	rpm	2,300
Maximum torque	Nm	4,550
at speed	rpm	1,200–2,100
Fuel consumption at rated power	l/h	263
Exhaust gas status	IMO Tier 2, SAV/BSO, RCD 94/25/EC, 97/68/EC	



Dimensions V12-1360

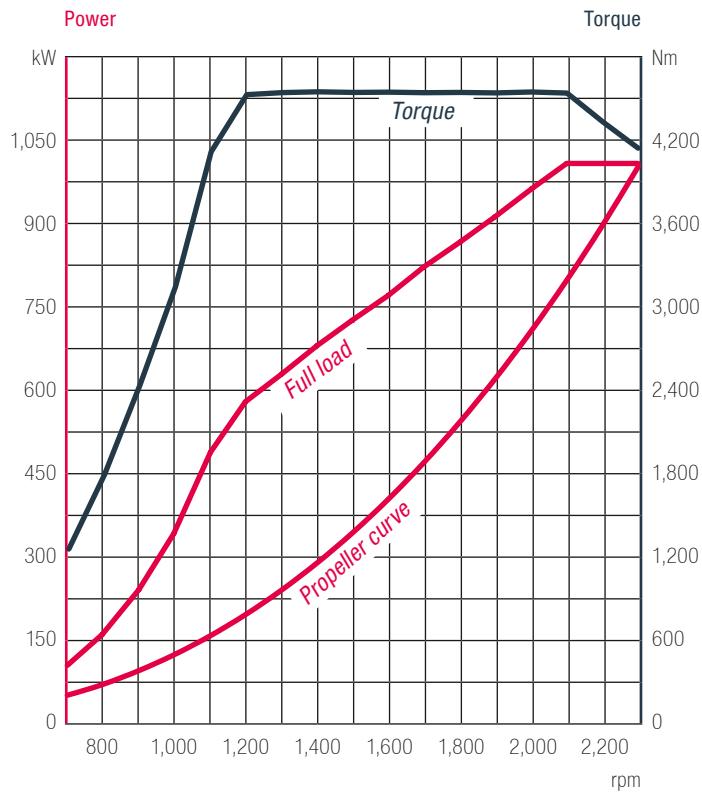
Type designation	V12-1360	
A-Overall width	mm	1,307
B-Overall length	mm	1,846
C-Overall height – standard oil pan	mm	1,270
D-Top of engine to crankshaft centre	mm	789
E-Length of engine from front end to edge of flywheel housing	mm	1,493
Average weight of engine ready for installation (dry)	kg	1,965

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

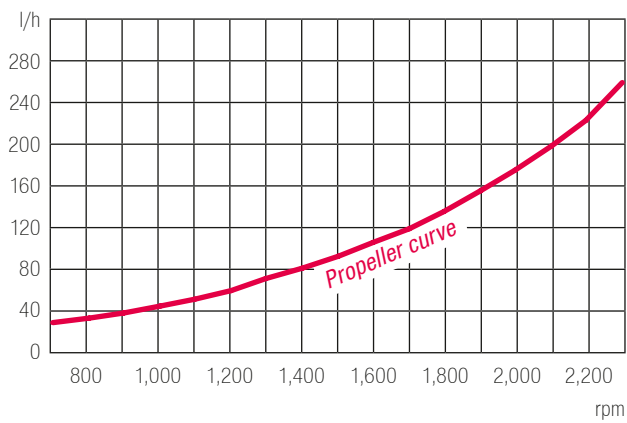
V12-1360

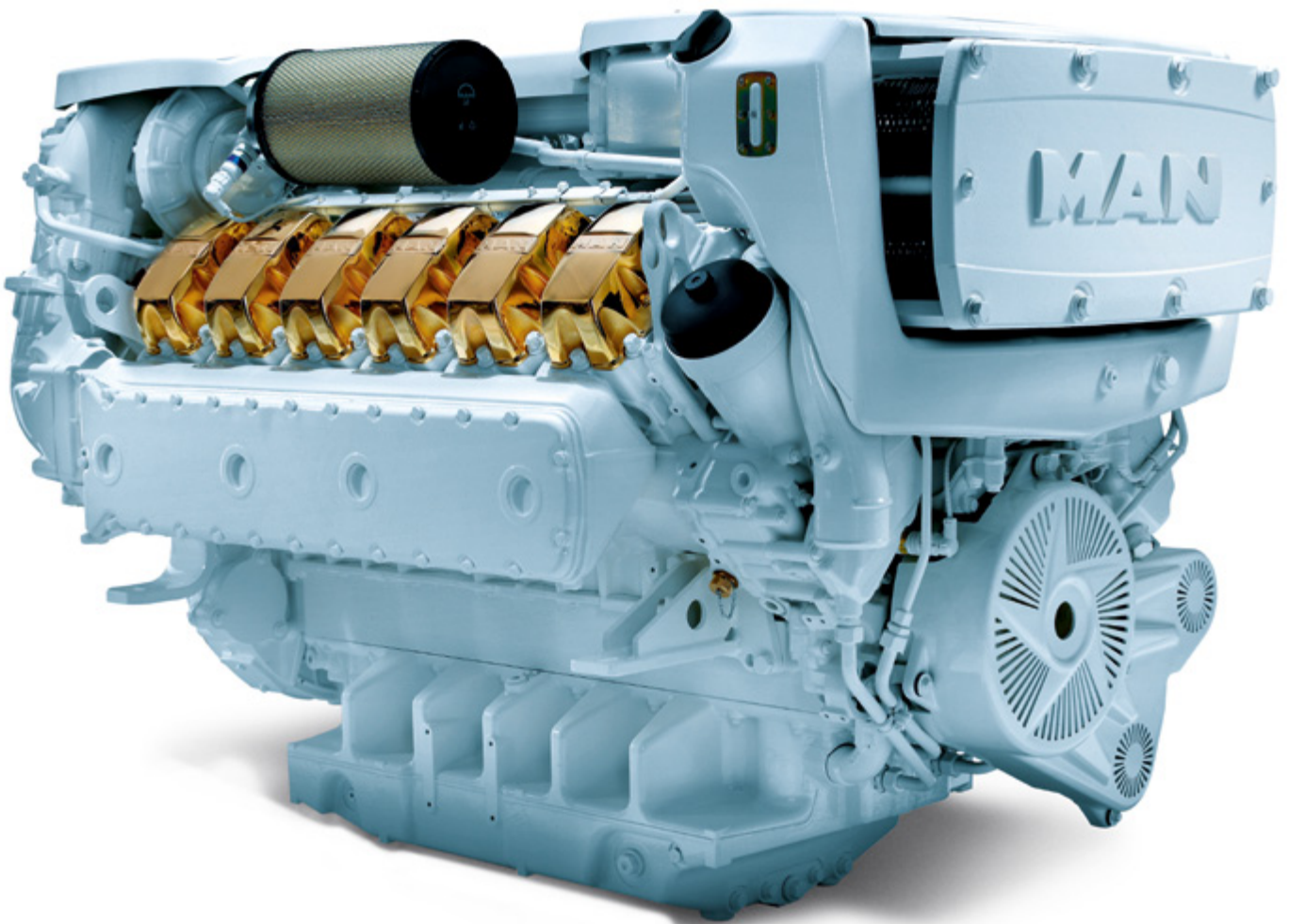
Power charts

V12-1360



Absolute fuel consumption





V12-1400 and V12-1550

Engine description

Characteristics

- Cylinders and arrangement: 12 cylinders in 90° V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Exhaust turbocharger with intercooler, boost pressure control with 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

V12-1400 and V12-1550

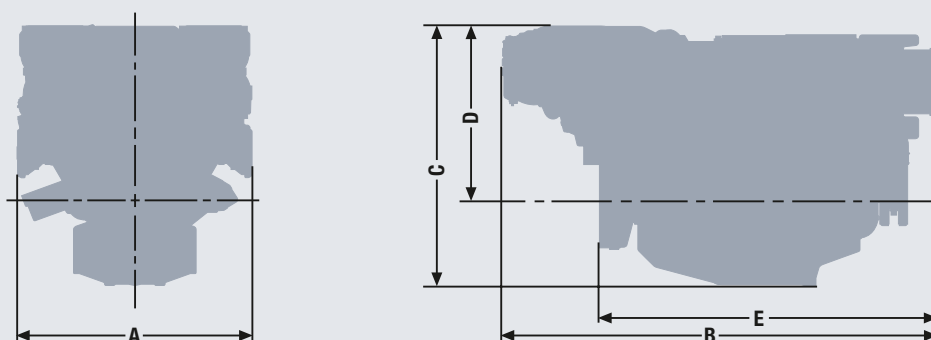
Technical data

Technical features V12-1400 and V12-1550

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	4,670	5,140
at speed	rpm	1,200–2,100	1,300–2,100
Absolute fuel consumption at rated power ¹⁾	l/h	266	296
Classifiable		✓	–
Exhaust gas status		IMO Tier 2, EPA Tier 3 ²⁾ , RCD 94/25/EC, 97/68/EC	IMO Tier 2, EPA Tier 3 ²⁾ , RCD 94/25/EC, 97/68/EC

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

2) increased fuel consumption only with EPA Tier 3



Dimensions V12-1400 and V12-1550

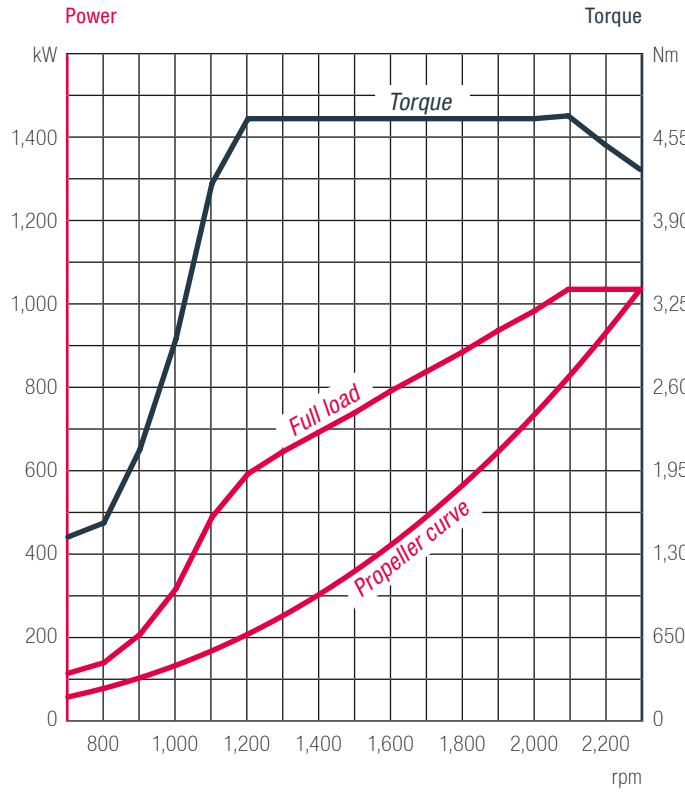
Type designation		V12-1400	V12-1550
A-Overall width	mm	1,270	1,153
B-Overall length	mm	2,230	2,124
C-Overall height	mm	1,289	1,289
D-Top of engine to crankshaft centre	mm	825	825
E-Length of engine from front end to edge of flywheel housing	mm	1,614	1,631
Average weight of engine ready for installation (dry)	kg	2,270	2,270

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

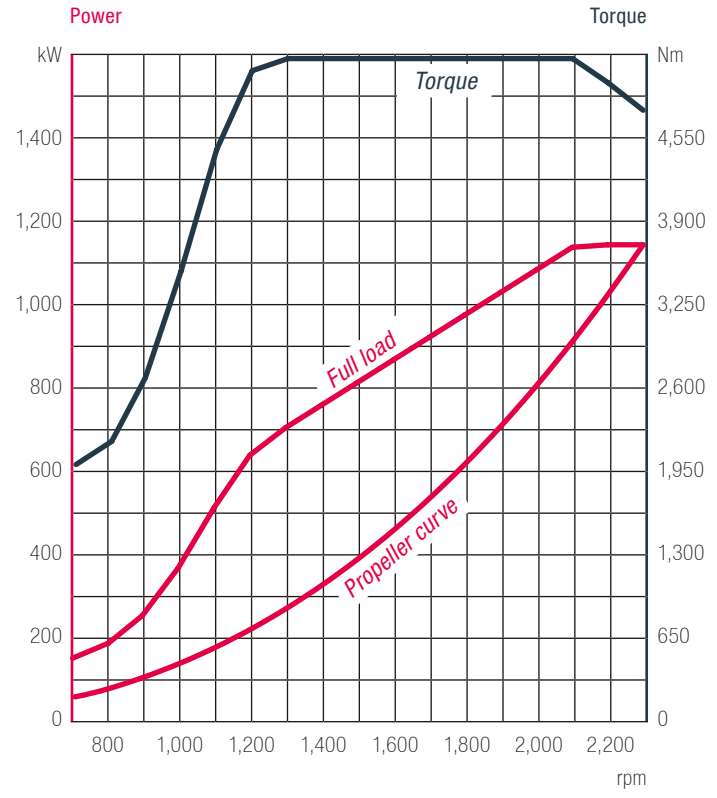
V12-1400 and V12-1550

Power charts

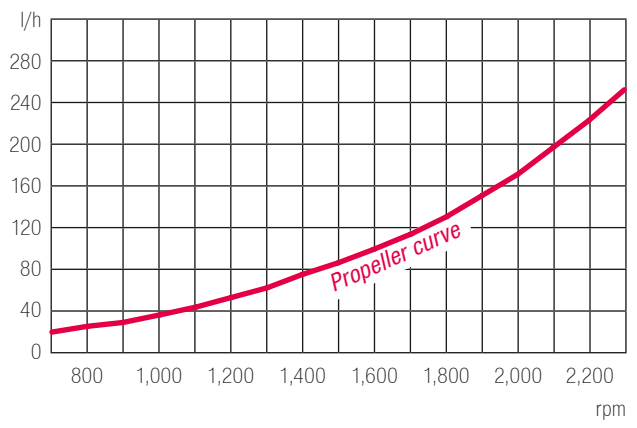
V12-1400



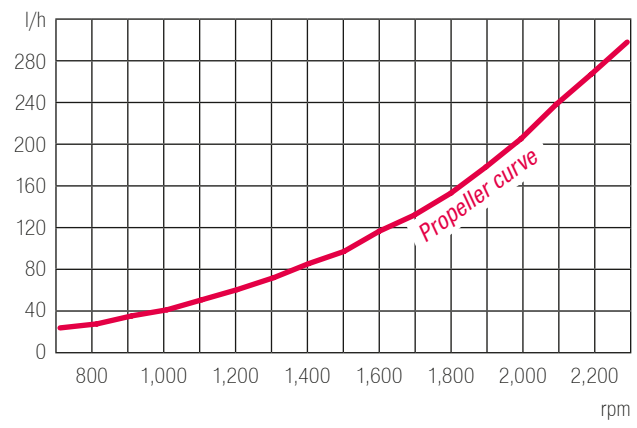
V12-1550

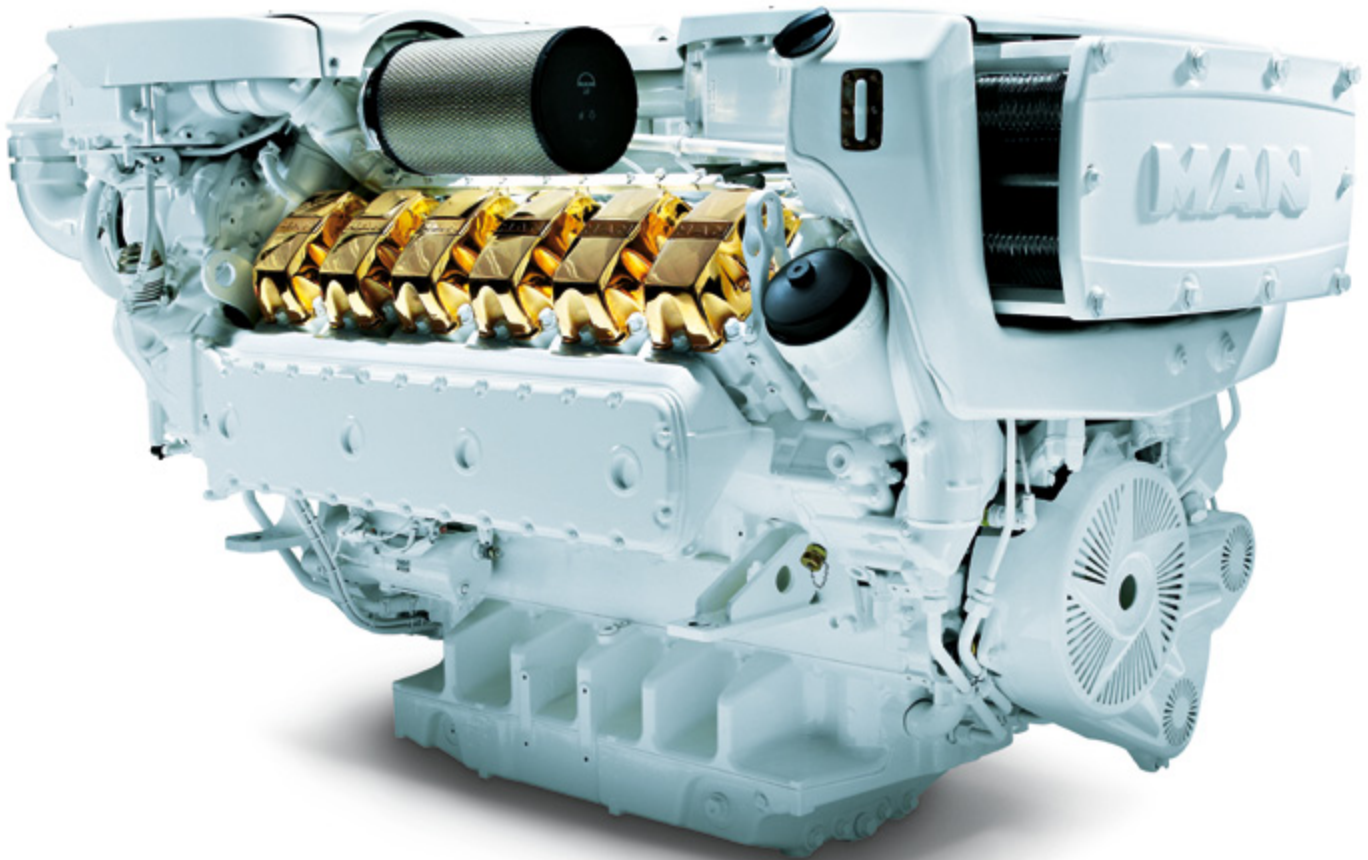


Absolute fuel consumption



Absolute fuel consumption





V12-1650 and V12-1800

Engine description

Characteristics

- Cylinders and arrangement: 12 cylinders in 90° V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: 2-stage exhaust turbocharger with intercooler, boost pressure control with 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

V12-1650 and V12-1800

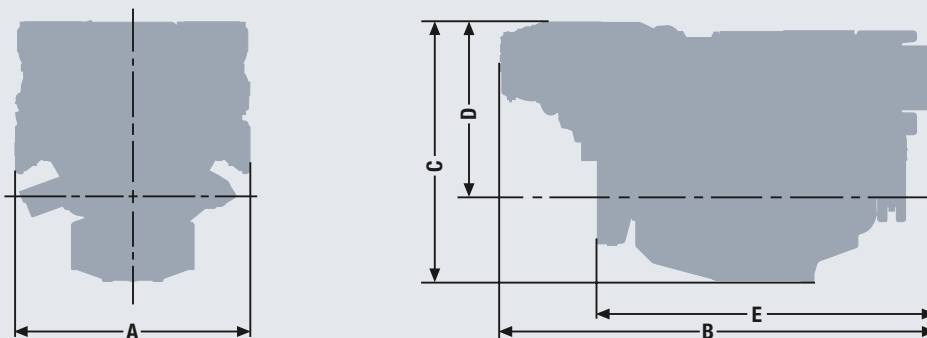
Technical data

Technical features V12-1650 and V12-1800

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	6,020
at speed	rpm	1,200–2,100	1,200–2,100
Absolute fuel consumption at rated power ¹⁾	l/h	315	339
Classifiable		✓	–
Exhaust gas status		IMO Tier 2, EPA Tier 3 ²⁾ , RCD 94/25/EC, 97/68/EC	IMO Tier 2, EPA Tier 3 ²⁾ , RCD 94/25/EC, 97/68/EC

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

2) increased fuel consumption only with EPA Tier 3



Dimensions V12-1650 and V12-1800

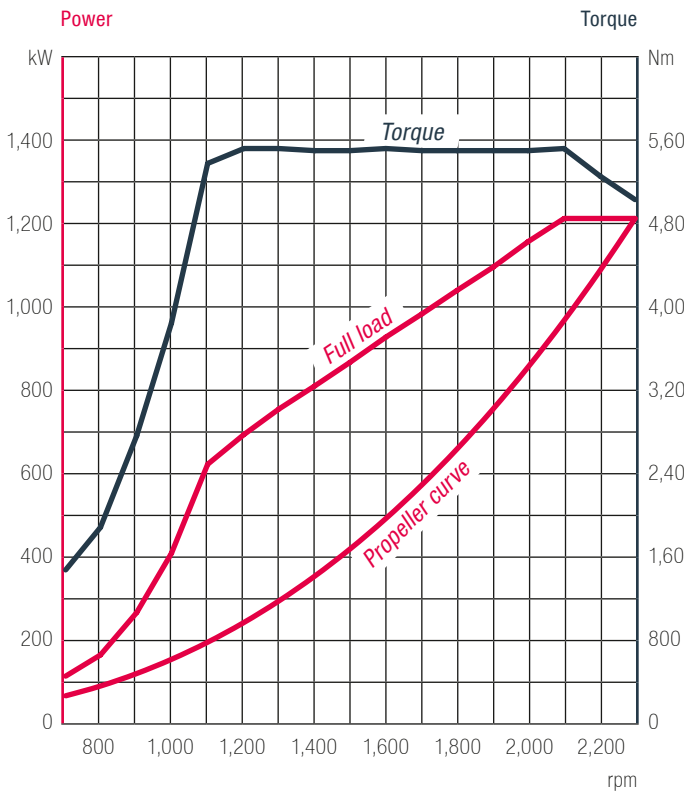
Type designation		V12-1650	V12-1800
A-Overall width	mm	1,150	1,153
B-Overall length	mm	2,255	2,139
C-Overall height	mm	1,350	1,265
D-Top of engine to crankshaft centre	mm	885	811
E-Length of engine from front end to edge of flywheel housing	mm	1,667	1,658
Average weight of engine ready for installation (dry)	kg	2,400	2,365

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

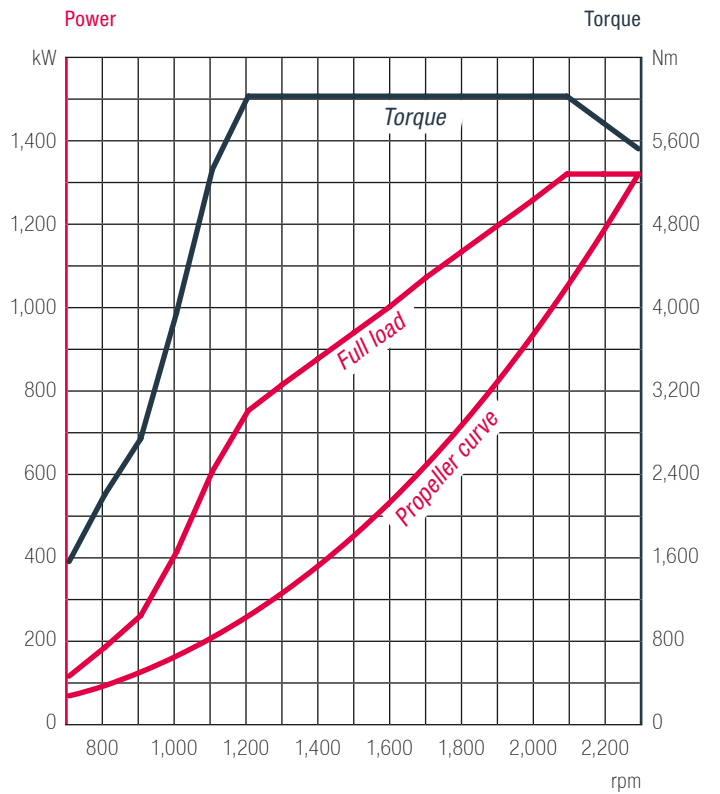
V12-1650 and V12-1800

Power charts

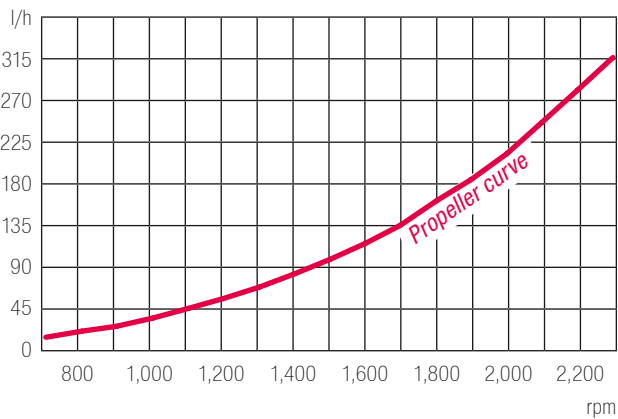
V12-1650



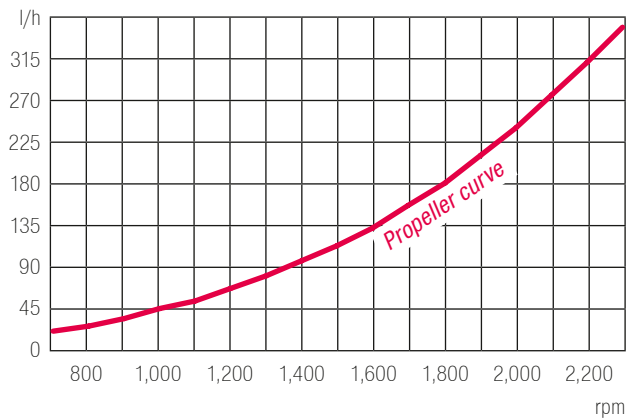
V12-1800



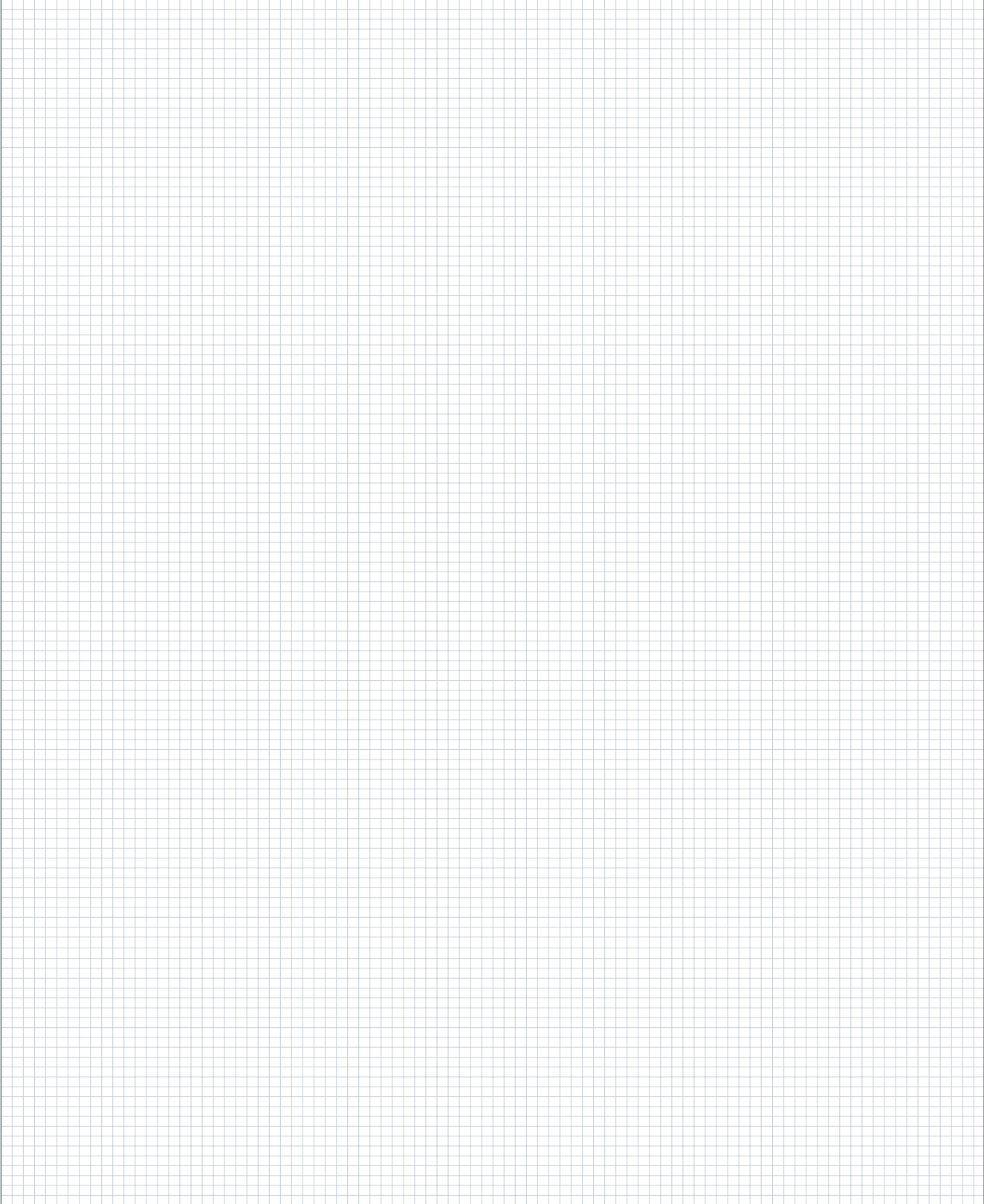
Absolute fuel consumption



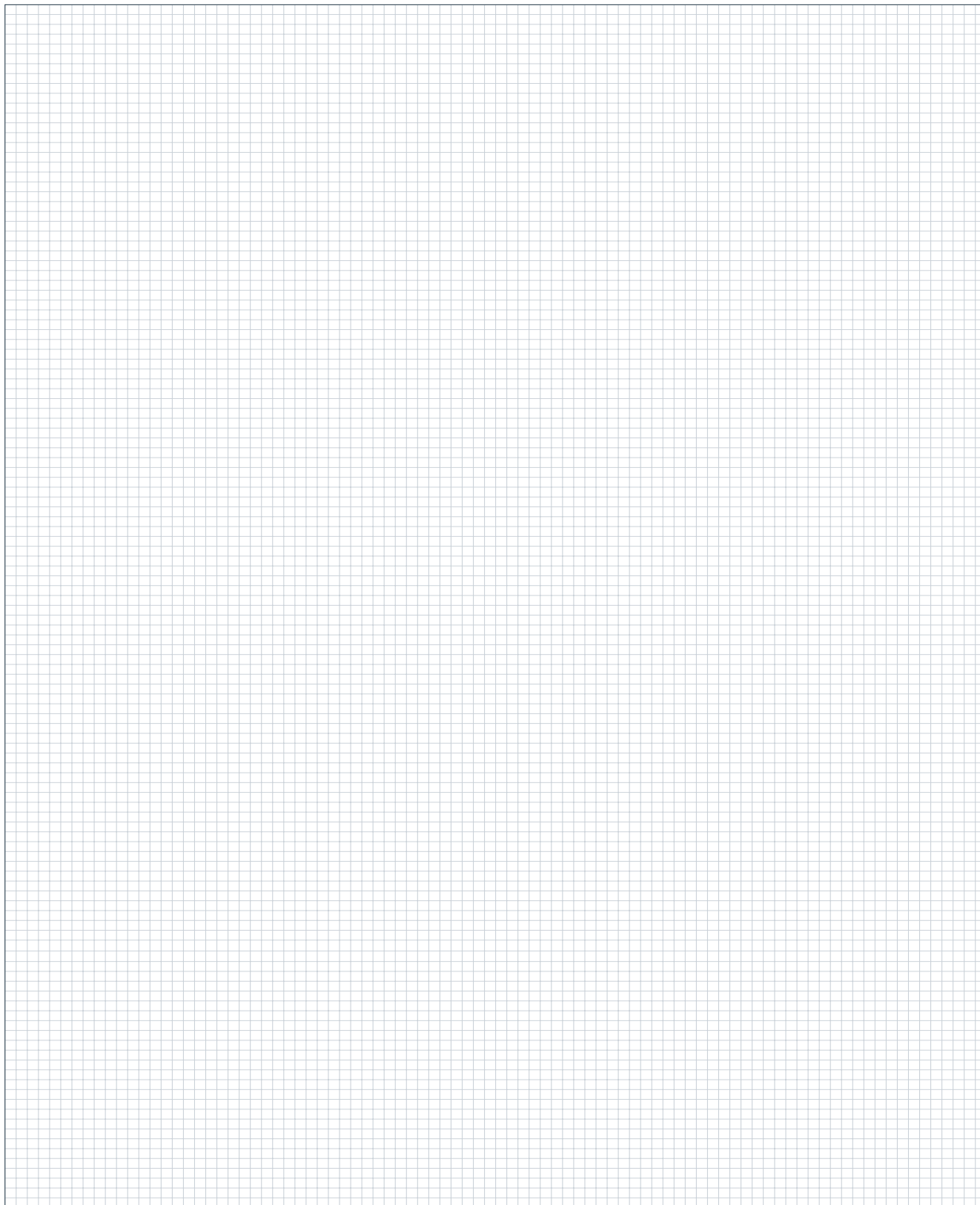
Absolute fuel consumption



Notes



Notes



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