

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: 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

V12-1400 and V12-1550

Technical data

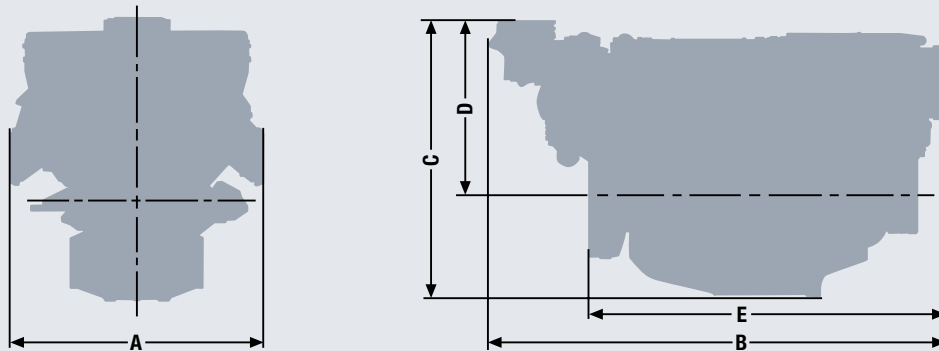
Technical features V12-1400 and V12-1550

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	4,680	5,180
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⁾³⁾ , RCD 94/25/EC, 97/68/EC	IMO Tier 2, EPA Tier 3 ²⁾³⁾ , RCD 94/25/EC, 97/68/EC

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

2) Increased fuel consumption only with EPA Tier 3

3) for private use only



Dimensions V12-1400 and V12-1550

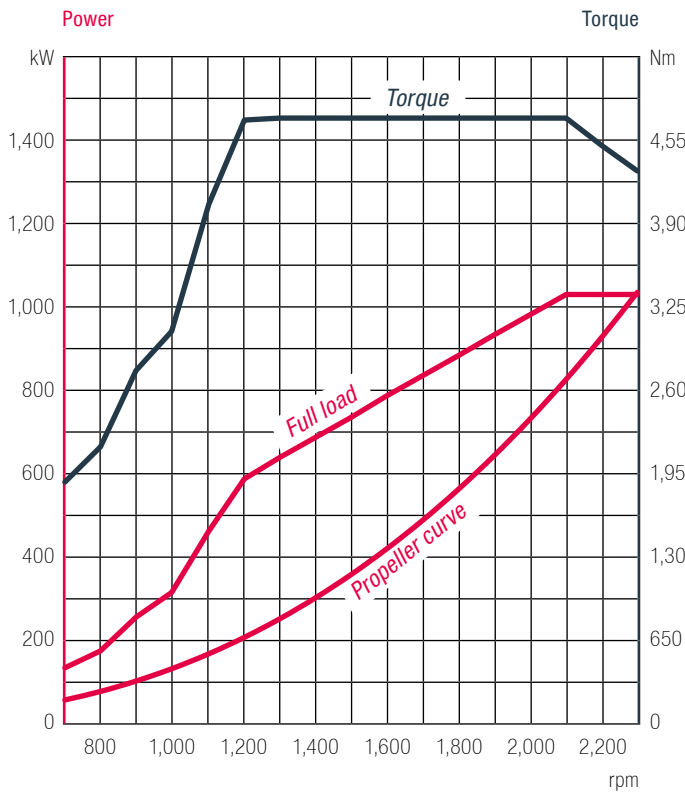
Type designation		V12-1400	V12-1550
A-Overall width	mm	1,270	1,153
B-Overall length	mm	2,230	2,065
C-Overall height	mm	1,280	1,305
D-Top of engine to crankshaft centre	mm	815	815
E-Length of engine from front end to edge of flywheel housing	mm	1,614	1,630
Average weight of engine ready for installation (dry)	kg	2,270	2,270

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

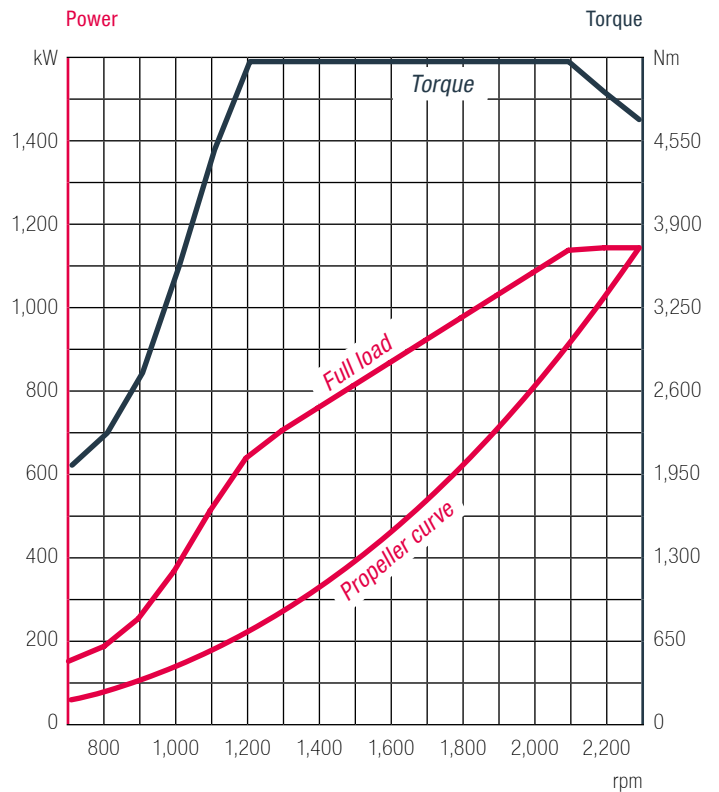
V12-1400 and V12-1550

Power charts

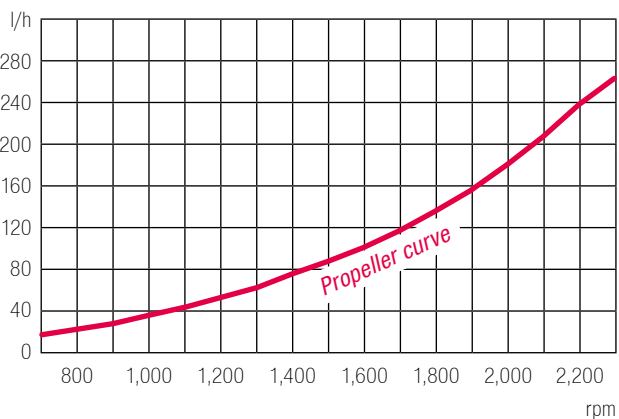
V12-1400



V12-1550



Absolute fuel consumption



Absolute fuel consumption

