



V12-1900

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

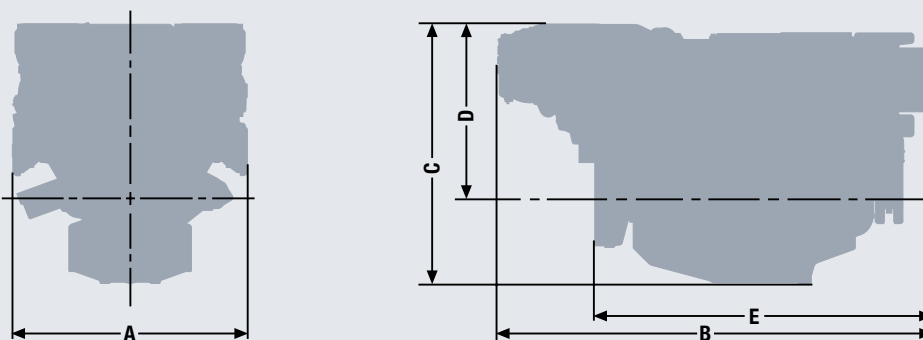
V12-1900

Technical data

Technical features V12-1900

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, RCD 94/25/EC, 97/68/EC

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



Dimensions V12-1900

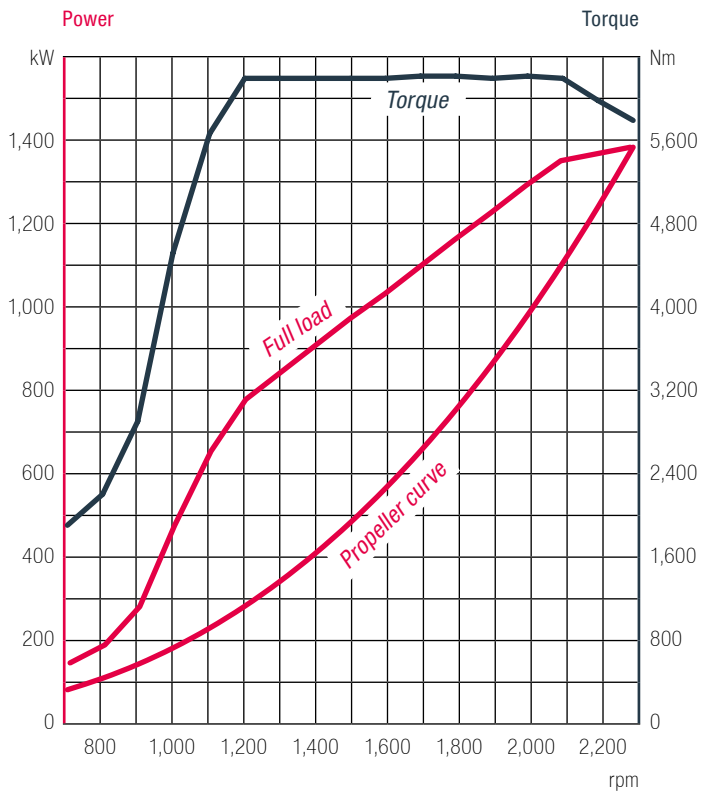
Type designation	V12-1900	
A-Overall width	mm	1,153
B-Overall length	mm	2,139
C-Overall height	mm	1,272
D-Top of engine to crankshaft centre	mm	808
E-Length of engine from front end to edge of flywheel housing	mm	1,658
Average weight of engine ready for installation (dry)	kg	2,380

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

V12-1900

Power charts

V12-1900



Absolute fuel consumption

