



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: 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

V8-1000 and V8-1200

Technical data

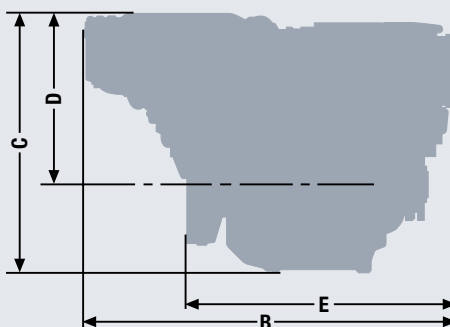
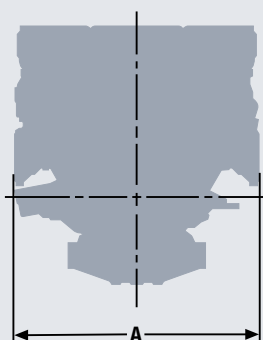
Technical features V8-1000 and V8-1200

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⁾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 V8-1000 and V8-1200

Type designation		V8-1000	V8-1200
A-Overall width	mm	1,153	1,153
B-Overall length	mm	1,745	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

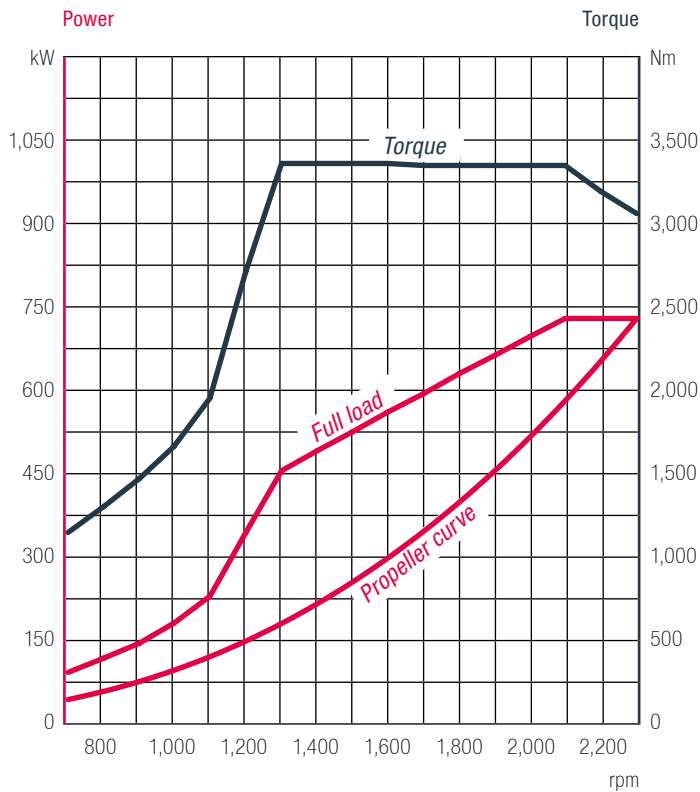
For detailed examinations of installation dimensions, please order drawings from our factory.

V8-1000 and V8-1200

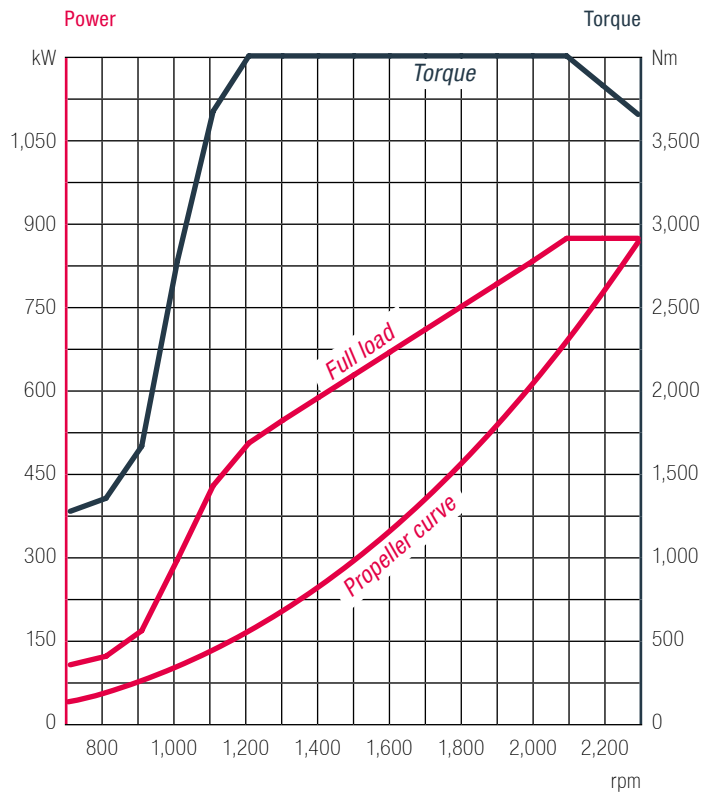
Power charts



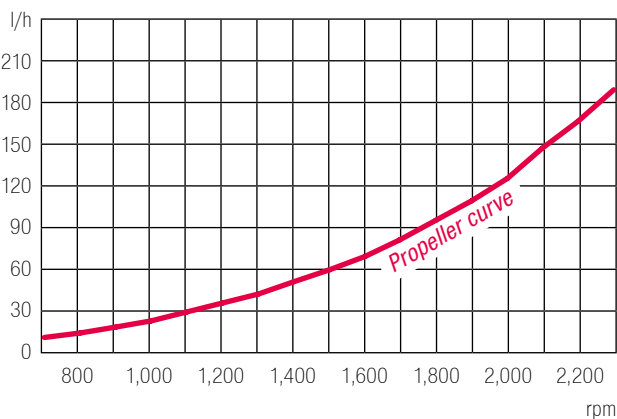
V8-1000



V8-1200



Absolute fuel consumption



Absolute fuel consumption

