

D2862.

Engine description.

Characteristics

- Cylinders and arrangement: 12 cylinders in 90° V design
- 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 block: High-strength casting with integrated oil and water ducts and replaceable cylinder liners
- 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
- Exhaust gas status: IMO Tier 2, RCD 94/25/EC, EPA Tier 2 com, 97/68/EC
- Fuel: DIN EN 590

D2862.

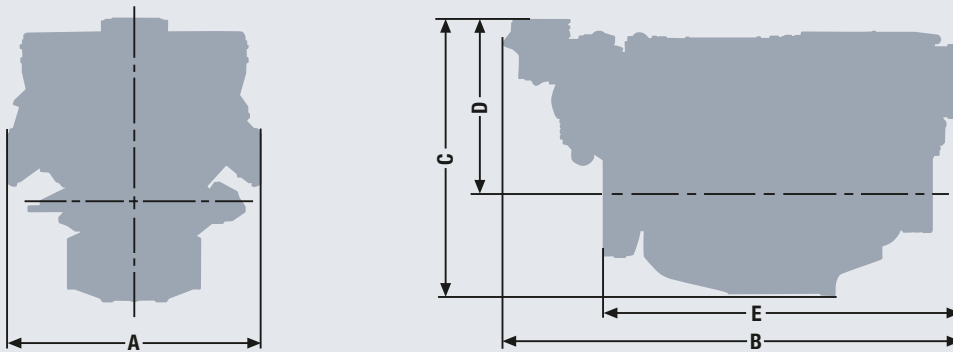
Technical data.

Technical features D2862

Type of engine		LE 422	LE 432	LE 463
Bore	mm	128	128	128
Stroke	mm	157	157	157
Displacement	l	24.24	24.24	24.24
Compression ratio		19:1	19:1	17:1
Rotation looking on flywheel		left	left	left
Flywheel housing		SAE 1	SAE 1	SAE 1
Nominal rating ¹⁾	kW (hp)	749 (1,019)	882 (1,200)	1,029 (1,400)
Rated speed	rpm	2,100	2,100	2,100
Torque at rated speed	Nm	3,406	4,010	4,680
Maximum torque	Nm	3,780	4,450	5,120
at speed	rpm	1,300–1,900	1,300–1,900	1,300–1,900
Specific fuel consumption ²⁾	g/kWh	207	211	210
Fuel consumption ²⁾	l/h	185	222	257
Classifiable		✓	✓	✓

1) The rating is according to DIN 3046/1.

2) Consumption at rated power.



Dimensions D2862

Type of engine		LE 422/432/463
A-Overall width of engine	mm	1,270
B-Overall length of engine	mm	2,230
C-Overall height of engine	mm	1,290
D-Top of engine to crankshaft centre	mm	825
E-Length of engine from front end to edge of flywheel housing	mm	1,614
Average weight of engine ready for installation (dry)	kg	2,270

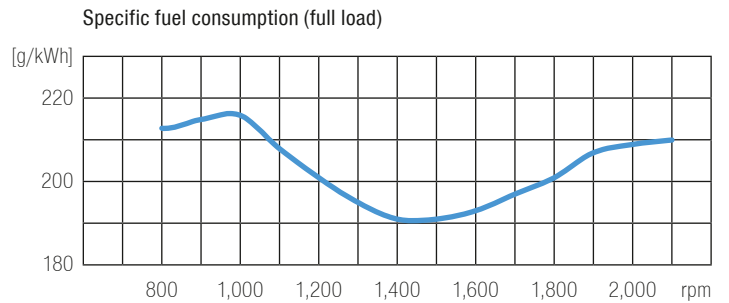
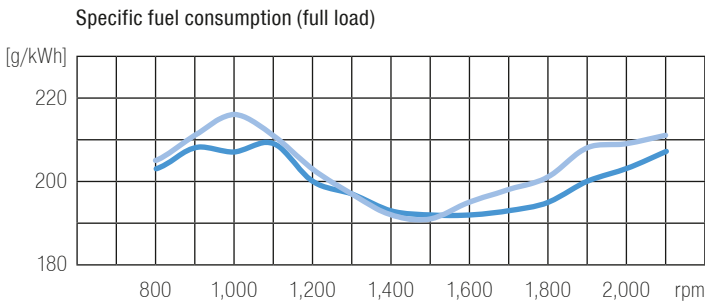
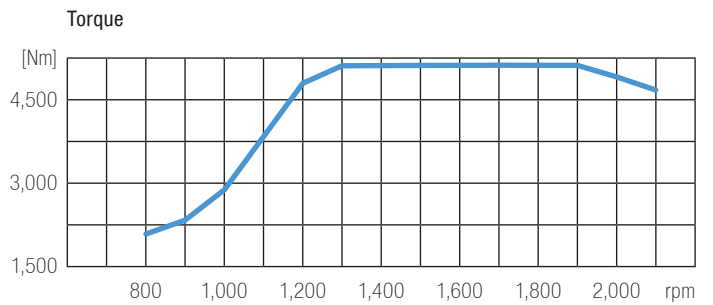
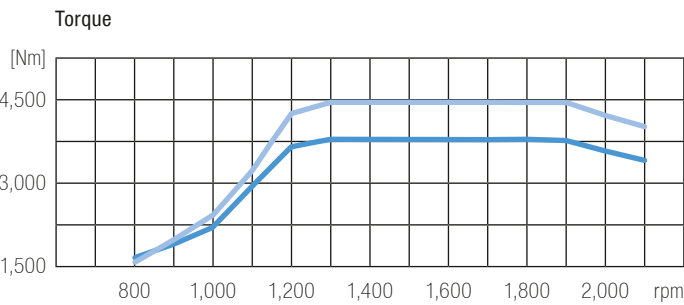
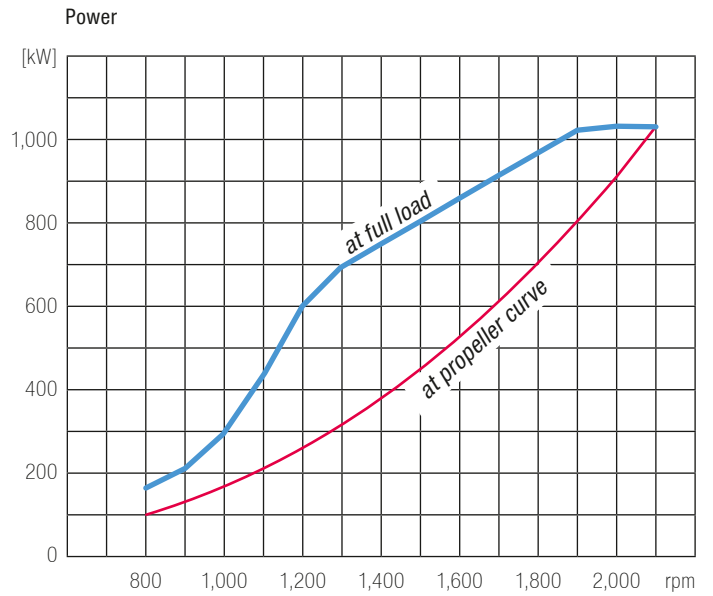
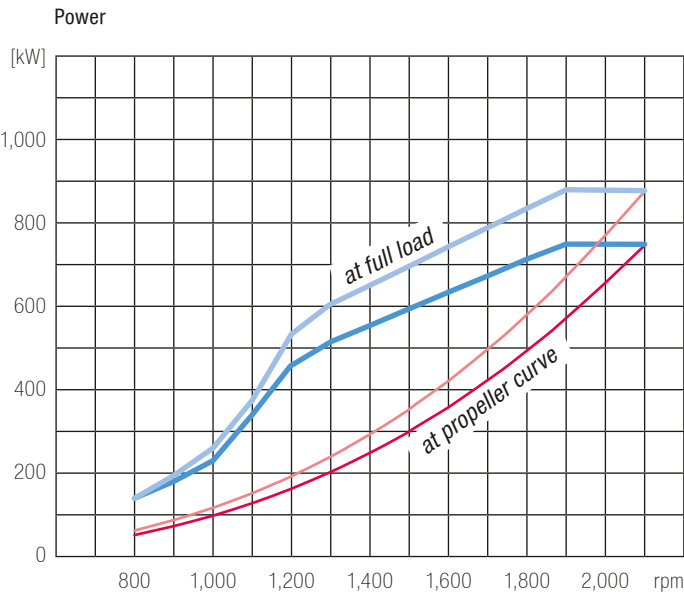
For detailed examinations of installation dimensions, please order drawings from our factory.

D2862.

Power charts.

D2862 LE 422 and D2862 LE 432

D2862 LE 463



■ D2862 LE 422 with 749 kW (1,019 hp at 2,100 rpm)
 ■ D2862 LE 432 with 882 kW (1,200 hp at 2,100 rpm)

■ D2862 LE 463 with 1,029 kW (1,400 hp at 2,100 rpm)