

D2842.

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: 2 valves per cylinder
- Fuel system: Direct fuel injection with Bosch injection pump
- 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: Seawater cooled heat exchanger
- Engine control: Electronic injection control for LE 410
Electronic engine monitoring unit
- Exhaust gas status: IMO Tier 2, RCD 94/25/EC
On request: SAV and BSO for commercial application
- Fuel: DMX fuel to ISO 8217, DIN EN 590

D2842.

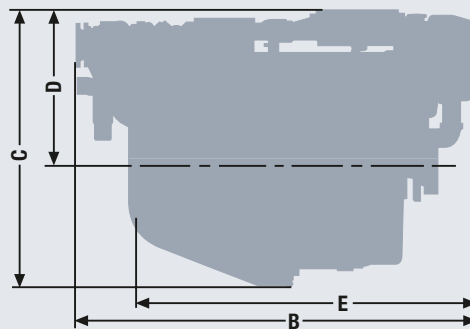
Technical data.

Technical features D2842

Type of engine		LE 410
Bore	mm	128
Stroke	mm	142
Displacement	l	21.93
Compression ratio		13.5:1
Rotation looking on flywheel		left
Flywheel housing		SAE 1
Nominal rating ¹⁾	kW (hp)	749 (1,019)
Rated speed	rpm	2,100
Torque at rated speed	Nm	3,406
Maximum torque	Nm	3,700
at speed	rpm	1,300–1,900
Specific fuel consumption ²⁾	g/kWh	222
Fuel consumption ²⁾	l/h	198
Classifiable		✓

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

2) Consumption at rated power.



Dimensions D2842

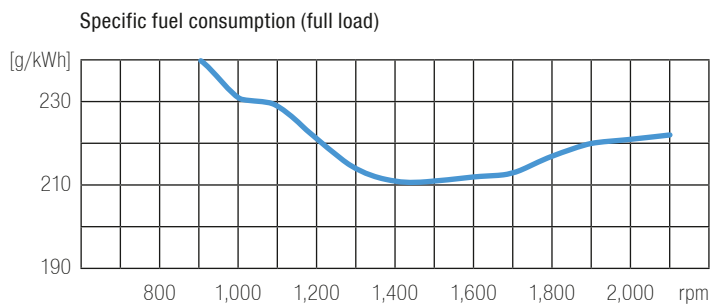
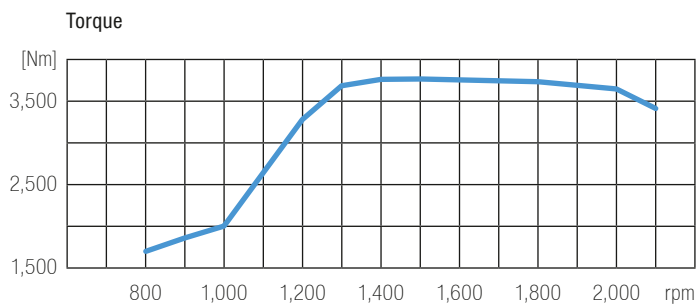
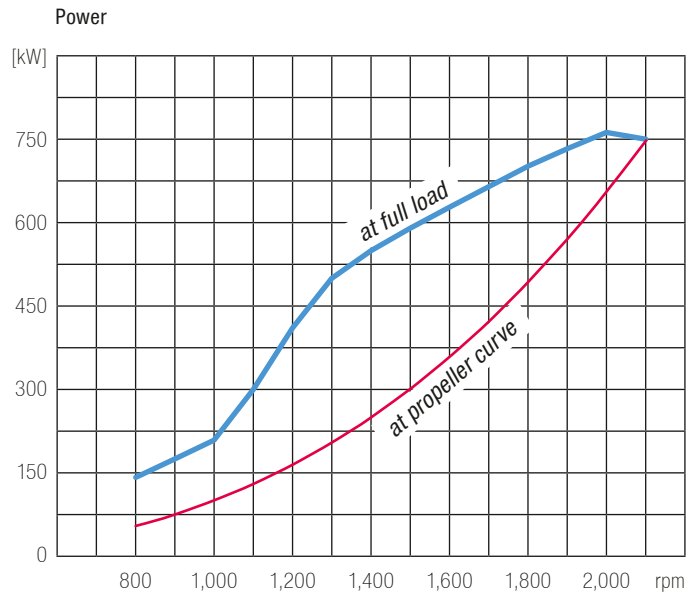
Type of engine		LE 410
A-Overall width of engine	mm	1,227
B-Overall length of engine	mm	1,795
C-Overall height of engine	mm	1,105
– flat oil pan	mm	1,216
– deep oil pan	mm	1,216
D-Top of engine to crankshaft centre	mm	685
E-Length of engine from front end to edge of flywheel housing	mm	1,492
Average weight of engine ready for installation (dry)	kg	1,860

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

D2842.

Power charts.

D2842 LE 410



■ D2842 LE 410 with 749 kW (1,019 hp at 2,100 rpm)