

D2876

Engine description

Characteristics

- Cylinders and arrangement: 6 cylinders in-line
- 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: Heat exchanger with seawater pump fitted, alternatively equipment for keel cooling
- Engine control: Electronic engine monitoring
- Fuel: DMX fuel to ISO 8217, DIN EN 590
- Average TBO: 20,000 – 25,000 operating hours
- Oil change interval: 400 operating hours

D2876

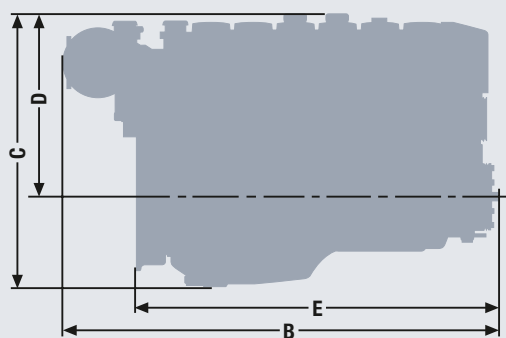
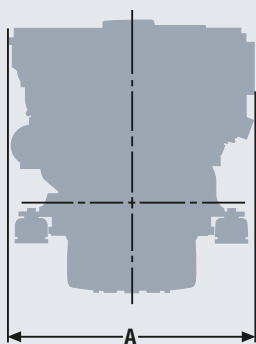
Technical data

Technical features D2876

Type designation		LE 406	LE 403	LE 407
Displacement	l	12.82	12.82	12.82
Nominal rating ¹⁾	kW (hp)	280 (381)	331 (450)	360 (490)
Rated speed	rpm	1,800	1,800	1,800
Torque at rated speed	Nm	1,485	1,756	1,910
Maximum torque	Nm	1,620	1,960	2,074
at speed	rpm	1,300–1,600	1,300–1,500	1,200–1,500
Specific fuel consumption ²⁾	g/kWh	222	223	222
Fuel consumption ²⁾	l/h	74	88	95
Classifiable		✓	✓	✓
Exhaust gas status		IMO Tier 2, RCD 94/25/EC, 97/68/EC	IMO Tier 2, RCD 94/25/EC, 97/68/EC	IMO Tier 2, RCD 94/25/EC, 97/68/EC

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

2) Consumption at rated power.



Dimensions D2876

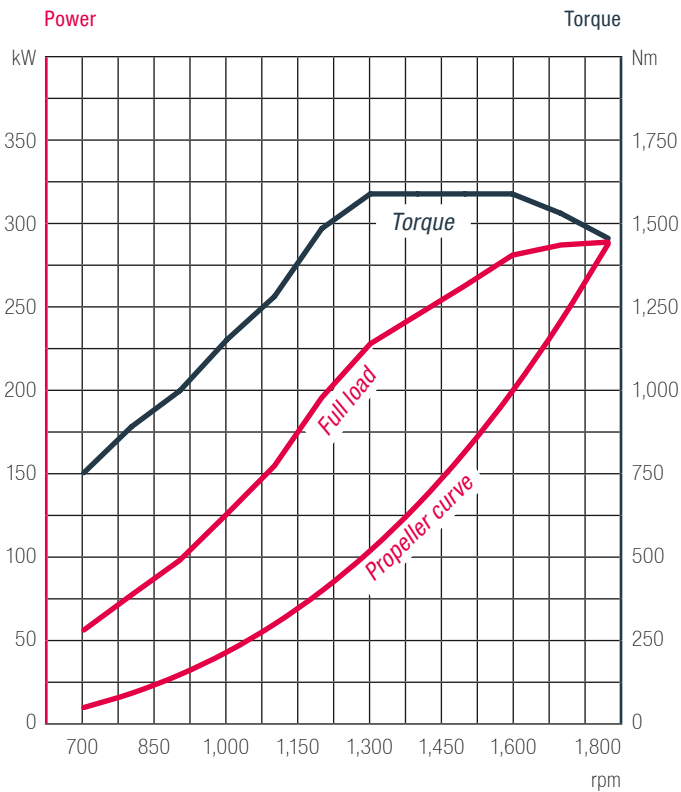
Type designation		LE 406/403/407
A-Overall width	mm	877
B-Overall length	mm	1,565
C-Overall height	mm	1,000
– flat oil pan	mm	1,080
– deep oil pan	mm	1,080
D-Top of engine to crankshaft centre	mm	665
E-Length of engine from front end to edge of flywheel housing	mm	1,320
Average weight of engine ready for installation (dry)	kg	1,160

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

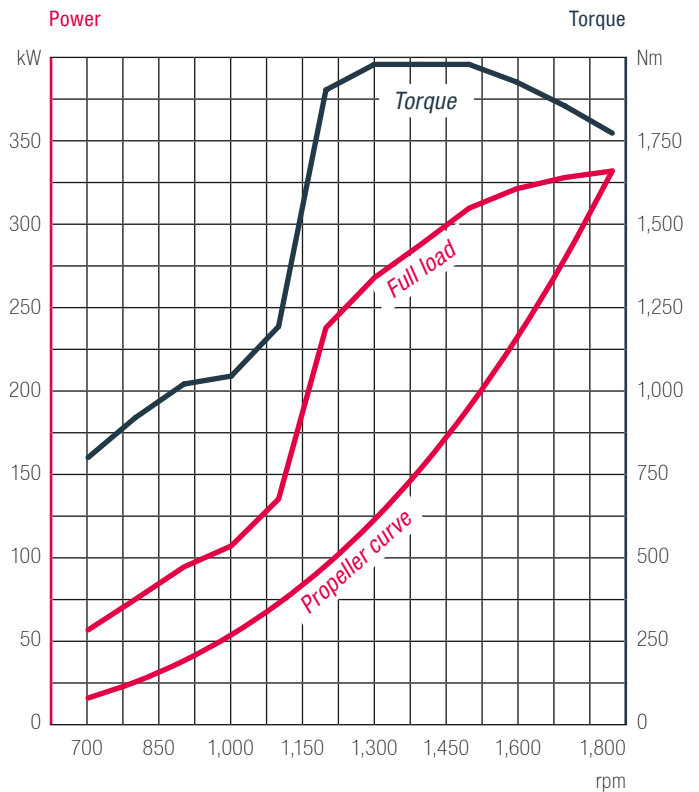
D2876

Power charts

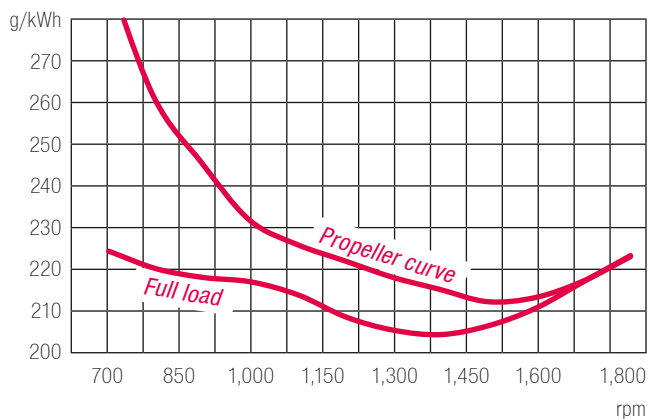
D2876 LE 406



D2876 LE 403



Specific fuel consumption



Specific fuel consumption

