

D2868

Engine description

Characteristics

- Cylinders and arrangement: 8 cylinders in V arrangement
- Operation mode: 4-stroke diesel engine, watercooled
- Turbocharging: Turbocharger with charge air intercooler and wastegate
- Number of valves: 4 valves per cylinder
- Fuel system: Common Rail direct fuel injection
- 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, Electronic engine monitoring including diagnostic unit
- Fuel: DIN EN 590
- Average TBO: 12,000 operating hours
- Oil change interval: 500 operating hours

D2868

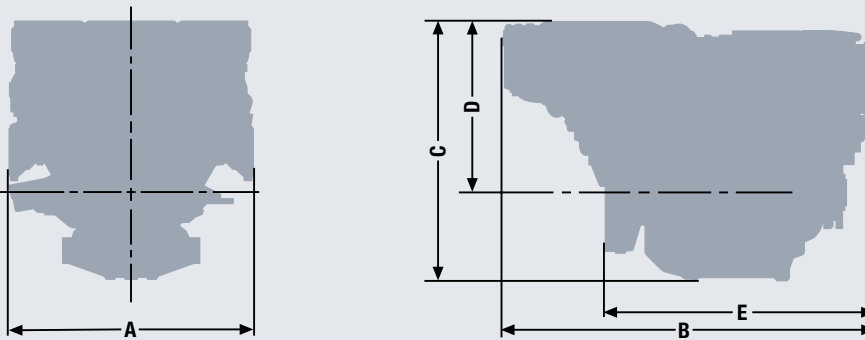
Technical data

Technical features D2868

Type designation		LE 422	LE 425
Displacement	l	16.16	16.16
Maximum output ¹⁾	kW (hp)	588 (800)	588 (800)
Rated speed	rpm	2,100	2,100
Torque at rated speed	Nm	2,674	2,674
Maximum torque	Nm	2,950	2,980
at speed	rpm	1,300–1,900	1,400–1,900
Specific fuel consumption ²⁾	g/kWh	212	223
Fuel consumption ²⁾	l/h	148	156
Classifiable		✓	✓
Exhaust gas status		IMO Tier 2, RCD 94/25/EC, 97/68/EC	IMO Tier 2, EPA Tier 3, RCD 94/25/EC, 97/68/EC

1) Rating according to DIN 3046-1

2) Consumption at rated power



Dimensions D2868

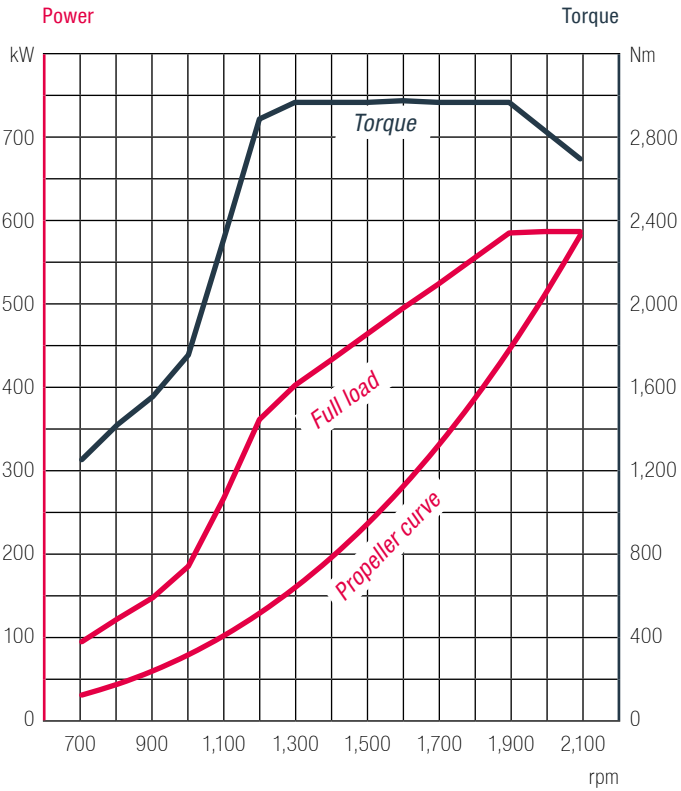
Type designation		LE 422	LE 425
A-Overall width	mm	1,153	1,153
B-Overall length	mm	1,736	1,736
C-Overall height	mm	1,236	1,236
D-Top of engine to crankshaft centre	mm	825	825
E-Length of engine from front end to edge of flywheel housing	mm	1,243	1,243
Average weight of engine ready for installation (dry)	kg	1,800	1,800

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

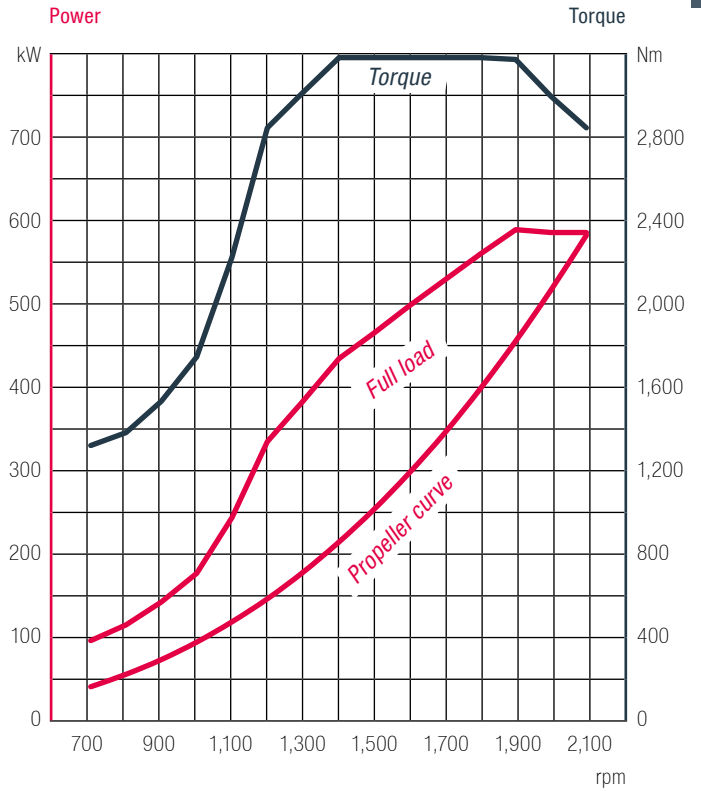
D2868

Power charts

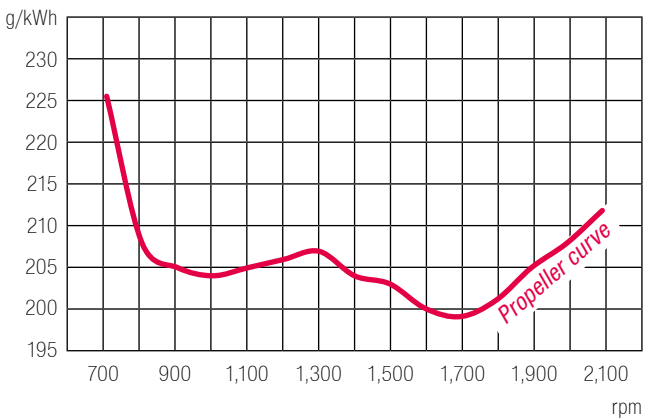
D2868 LE 422



D2868 LE 425



Specific fuel consumption



Specific fuel consumption

