

D2862

Description of engines

Characteristics

- Cylinders and arrangement: 12 cylinders in 90° V arrangement
- Mode of operation: Four-stroke diesel engine with direct fuel injection
- Turbocharging: Turbo charger with charge air cooling
- Engine cooling: Water circulation by means of attached rotary pump and front end combination radiator
- Injection: Common Rail injection system with an injection pressure of 1 600 bar
- Engine control: EDC7 control unit with engine management computer
- Monitoring: Operator panel available on request

D2862

Technical data

Technical features D2862¹⁾

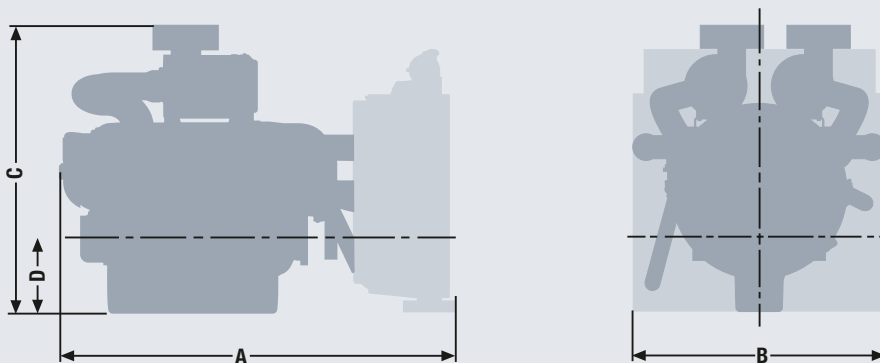
Mode of operation		ESP		LTP		PRP		COP	
at engine speed	rpm (Hz)	1 500 (50)	1 800 (60)	1 500 (50)	1 800 (60)	1 500 (50)	1 800 (60)	1 500 (50)	1 800 (60)
Engine version		LE 223	LE 223	LE 221	LE 221	LE 221	LE 221	LE 221	LE 221
Bore	mm	128	128	128	128	128	128	128	128
Stroke	mm	157	157	157	157	157	157	157	157
Displacement	l	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
blocked ISO effective power ²⁾	kW	880	1 117	770	920	–	–	–	–
Torque	Nm	5 603	5 926	4 902	4 880	–	–	–	–
ISO standard power ^{3) 4)}	kW	–	–	–	–	700	836	560	640
Torque	Nm	–	–	–	–	4 457	4 435	3 342	3 395
Net engine power output	kVA	1 000	1 250	880	1 030	800	930	630	700

1) Data are with reservation and on request.

2) Time-limited continuous output that must not be exceeded (IFN).

3) Variable continuous output during PRP operation, can be exceeded by 10% for limited period (ICXN).

4) Variable continuous output during COP operation, can be exceeded by 10% (ICXN).



Dimensions D2862

Type designation		LE 223/LE 221
A-Length with fan-cooled radiator	mm	2 660
B-Width with fan-cooled radiator	mm	1 540
C-Height with fan-cooled radiator	mm	1 920
D-Height of lower edge of engine to middle of crankshaft	mm	594
Dry weight with cooling system	kg	2 240