

D2862



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

Technical features

Mode of operation		ESP				LTP	
at engine speed	rpm (Hz)	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 231 LE 233	LE 231 LE 233	LE 221	LE 221
Bore	mm	128	128	128	128	128	128
Stroke	mm	157	157	157	157	157	157
Displacement	l	24.2	24.2	24.2	24.2	24.2	24.2
blocked ISO effective power ¹⁾	kW	880	1 117	880	920	770	920
Torque	Nm	5 603	5 926	5 602	4 881	4 902	4 880
ISO standard power ²⁾	kW	–	–	–	–	–	–
Torque	Nm	–	–	–	–	–	–
Net engine power output	kVA	1 000	1 250	1 000	1 000	880	1 030

Mode of operation		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)	
Engine version		LE 221	LE 221	LE 231	LE 231	LE 221	LE 231	LE 221 LE 231
Bore	mm	128	128	128	128	128	128	128
Stroke	mm	157	157	157	157	157	157	157
Displacement	l	24.2	24.2	24.2	24.2	24.2	24.2	24.2
blocked ISO effective power ¹⁾	kW	–	–	–	–	–	–	–
Torque	Nm	–	–	–	–	–	–	–
ISO standard power ²⁾	kW	700	836	800	836	560	600	640
Torque	Nm	4 457	4 435	5 093	4 435	3 565	3 820	3 395
Net engine power output	kVA	800	930	905	930	630	680	700

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

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

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

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Dimensions D2862

Type designation	LE 223/LE 221/LE 231/LE 233	
A-Length with fan-cooled radiator	mm	2660
B-Width with fan-cooled radiator	mm	1540
C-Height with fan-cooled radiator	mm	1920
D-Height of lower edge of engine to middle of crankshaft	mm	594
Dry weight with cooling system	kg	2240