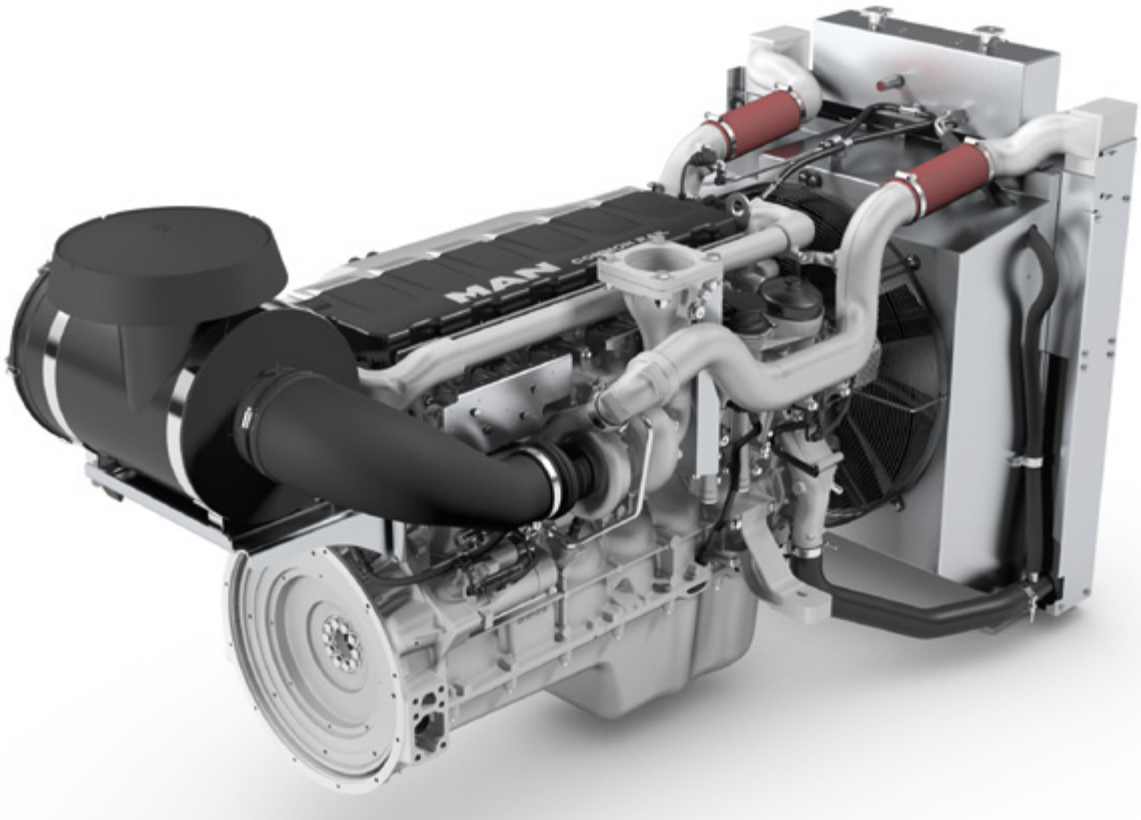


D2676

Description of engines

Characteristics

- Cylinders and arrangement: 6 cylinders in-line
- 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 1 800 bar
- Engine control: EDC7 control unit with engine management computer
- Monitoring: Operator panel available on request

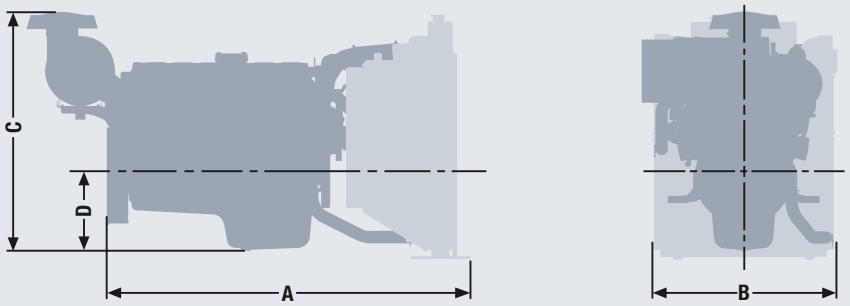
D2676

Technical data

Technical features D2676

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 231 [3] LE 221	LE 241 [3] LE 221	LE 221	LE 221
Bore	mm	126	126	126	126	126	126	126	126
Stroke	mm	166	166	166	166	166	166	166	166
Displacement	l	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
blocked ISO effective power [1]	kW	440	415	396	415	–	–	–	–
Torque	Nm	2 801	2 200	2 521	2 200	–	–	–	–
ISO standard power [2]	kW	–	–	–	–	360	377	270	283
Torque	Nm	–	–	–	–	2 292	2 000	1719	1500
Net engine power output	kVA	510	470	450	470	410	420	300	310

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) Exhaust emissions according to EU 97/68 EC Level 2



Dimensions D2676

Type designation		LE 223/LE 221 /LE 231/LE 241
A-Length with fan-cooled radiator	mm	2 518
B-Width with fan-cooled radiator	mm	1080
C-Height with fan-cooled radiator	mm	1406
D-Height of lower edge of engine to middle of crankshaft	mm	423
Dry weight with cooling system	kg	1165