

E3268

Description of Engines

Characteristics E3268 LE

- Cylinders and arrangement: 8 cylinders in 90° V arrangement
- Mode of operation: four-stroke spark-ignition gas engine
- Turbocharging: turbo charger with water-cooled turbine housing and pressure-oil lubricated bearings
- Engine cooling: water-cooled
- Air-fuel mixture cooling: two-stage cooler

E3268

Technical Data



Technical features E3268

Mode of operation		COP with natural gas			COP with special gas		
		1 500 (50)	1 800 (60)		1 500 (50)	1 800 (60)	
at engine speed	rpm (Hz)						
Engine version		LE 212	LE 212 ⁴⁾	LE 222 ⁴⁾	LE 222	LE 232 ⁴⁾	LE 222 ⁴⁾
Bore	mm	132	132	132	132	132	132
Stroke	mm	157	157	157	157	157	157
Displacement	l	17.2	17.2	17.2	17.2	17.2	17.2
ISO standard power ⁵⁾	kW	370	390	370	370	370	390
Air-fuel ratio	λ	1.69	1.69	1.49	1.52	1.46	1.51
Coolant heat ¹⁾	kW	225	229	239	214	229	223
Exhaust heat based on 120 °C ¹⁾	kW	201	233	224	198	223	235
Efficiency ¹⁾							
– mechanical ⁵⁾	%	42.6	40.0	39.7	42.1	40.1	40.8
– thermal	%	47.2	47.7	49.5	46.9	48.9	47.9
– total	%	89.9	87.7	89.2	89.0	89.0	88.7
Emissions status NO _x ²⁾	mg/Nm ³	< 500	< 500	< 250	< 500	< 500	< 500
Combustion ³⁾		m	m	m	m	m	m

1) at 100% load

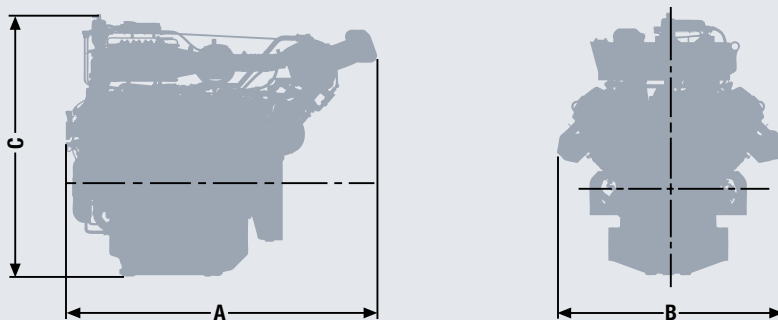
2) with 5% exhaust-gas oxygen

3) m = lean, st = stoichiometric

4) Data conditional and on request

5) in accordance with German Industrial Standard DIN ISO 3046, Part 1

Technical data is based on a calorific fuel value of 10 kWh/Nm³ for natural gas and 6 kWh/Nm³ for special gas. The values are provided for information purposes only and are non-binding.



Dimensions E3268

Type designation	LE 212/LE 222/LE224/LE232	
A-Overall length	mm	1 620
B-Overall width	mm	1 210
C-Overall height	mm	1 422
Dry weight	kg	1 497

All data are reference values. Please request installation drawings for detailed specifications.