



E2876

Description of Engines

Characteristics E2876 E

- Cylinders and arrangement: 6 cylinders in-line
- Mode of operation: four-stroke spark-ignition gas engine
- Engine cooling: water-cooled
- Exhaust system: water-cooled exhaust pipe

Characteristics E2876 TE and LE

- Cylinders and arrangement: 6 cylinders in-line
- 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 in the case of LE 302/202/212

E2876

Technical Data



Technical features E2876

Mode of operation		COP with natural gas				
		1 500 (50)			1 800 (60)	
at engine speed rpm (Hz)						
Engine version		E 312	LE 212	LE 302	E 312 ⁴⁾	LE 302
Bore	mm	128	128	128	128	128
Stroke	mm	166	166	166	166	166
Displacement	l	12.8	12.8	12.8	12.8	12.8
ISO standard power ⁵⁾	kW	150	220	210	170	210
Air-fuel ratio	λ	1.0	1.6	1.6	1.0	1.6
Coolant heat ¹⁾	kW	128	110	99	145	106
Exhaust heat based on 120 °C ¹⁾	kW	79	118	143	98	157
Efficiency ¹⁾						
- mechanical ⁵⁾	%	39.2	41.0	39.4	38.2	37.6
- thermal	%	52.8	46.0	48.9	54.1	50.7
- total	%	92.0	87.0	88.3	92.3	88.3
Emissions status NO _x ²⁾	mg/Nm ³	< 4 500	< 500	< 500	< 4 250	< 500
Combustion ³⁾		st	m	m	st	m

1) at 100% load

2) with 5% exhaust-gas oxygen

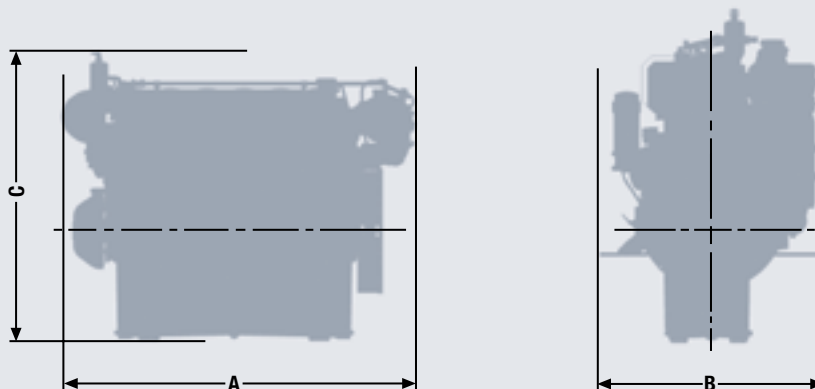
3) m = lean, st = stoichiometric

4) Data conditional and on request

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

6) technical data is based on 5 kWh/Nm³

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 E2876

Type designation		E 312	LE 212	LE 302
A-Overall length	mm	1330	1520	1520
B-Overall width	mm	830	830	830
C-Overall height	mm	1166	1226	1226
Dry weight	kg	830	985	990

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

Technical features E2876

Mode of operation		COP with special gas			
		1 500 (50)		1 800 (60)	
at engine speed		rpm (Hz)			
Engine version		TE 302	LE 202 ⁶⁾	TE 302	LE 302
Bore	mm	128	128	128	128
Stroke	mm	166	166	166	166
Displacement	l	12.8	12.8	12.8	12.8
ISO standard power ⁵⁾	kW	130	220	130	200
Air-fuel ratio	λ	1.4	1.4	1.4	1.4
Coolant heat ¹⁾	kW	124	103	132	106
Exhaust heat based on 120 °C ¹⁾	kW	57	127	60	137
Efficiency ¹⁾					
– mechanical ⁵⁾	%	38.0	41.2	36.6	39.1
– thermal	%	52.8	44.7	54.0	50.8
– total	%	90.8	85.9	90.6	89.9
Emissions status NO _x ²⁾	mg/Nm ³	< 500	< 500	< 500	< 500
Combustion ³⁾		m	m	m	m

1) at 100 % load

2) with 5 % exhaust-gas oxygen

3) m = lean, st = stoichiometric

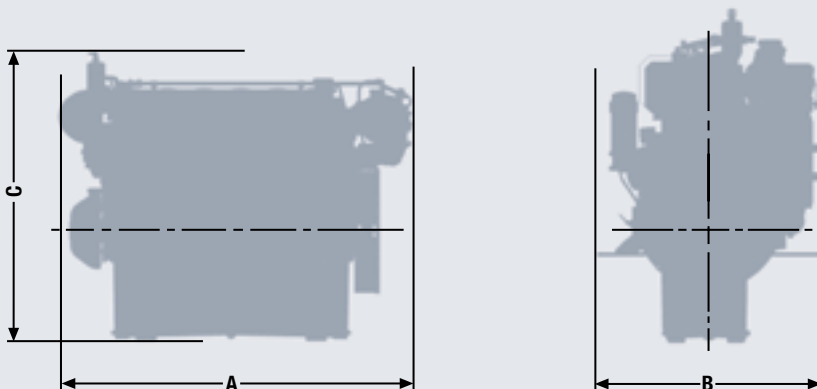
4) Data conditional and on request

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

6) technical data is based on 5 kWh/Nm³

Technical data is based on a calorific fuel value of 10 kWh/Nm³ for natural gas and 6 kWh/Nm³ for special gas.

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Dimensions E2876

Type designation		TE 302	LE 202	LE 302
A-Overall length	mm	1 545	1 520	1 520
B-Overall width	mm	835	830	830
C-Overall height	mm	1 226	1 226	1 226
Dry weight	kg	920	985	990

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