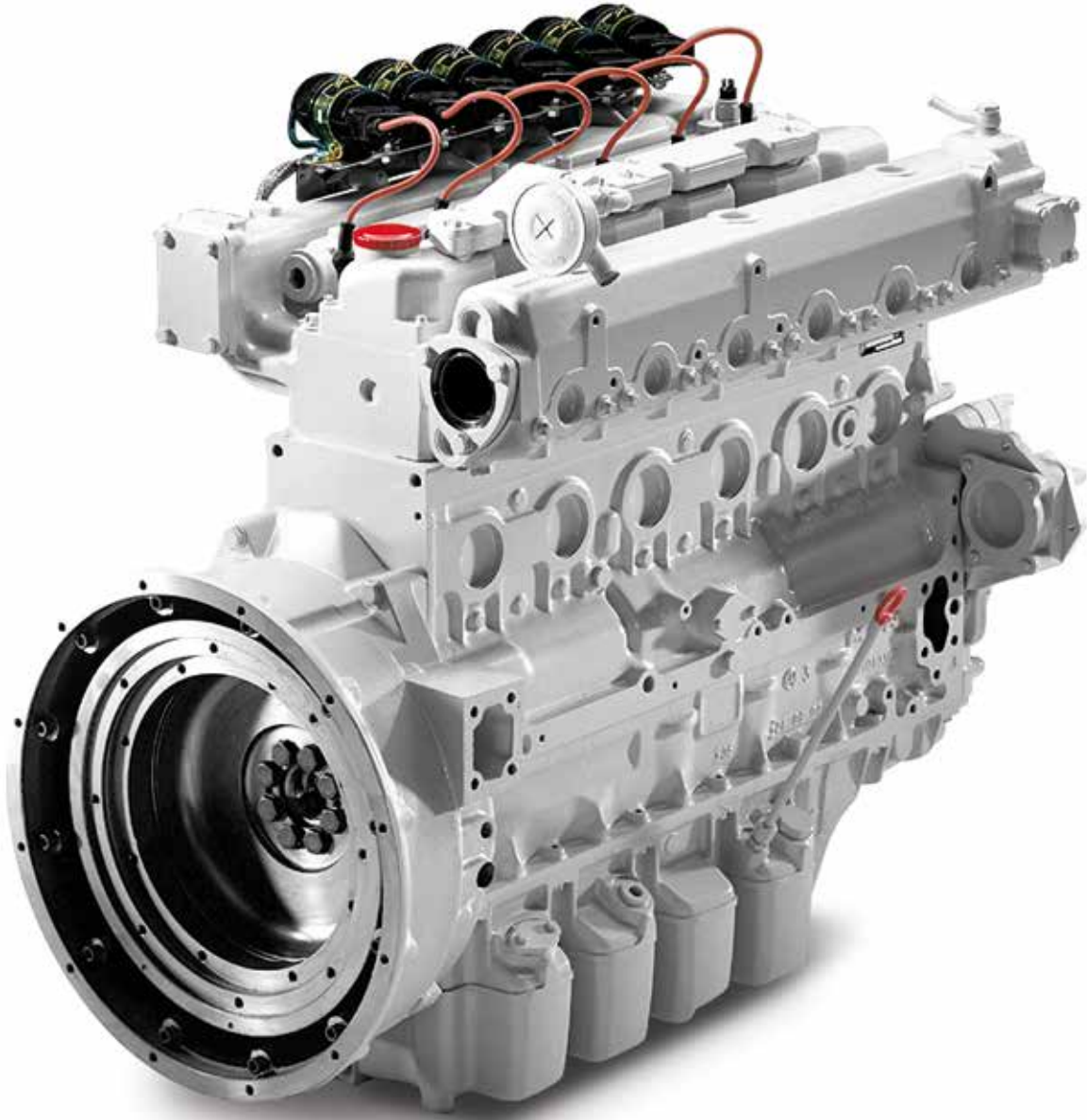


E0836



Characteristics E0836 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 E0836 LE

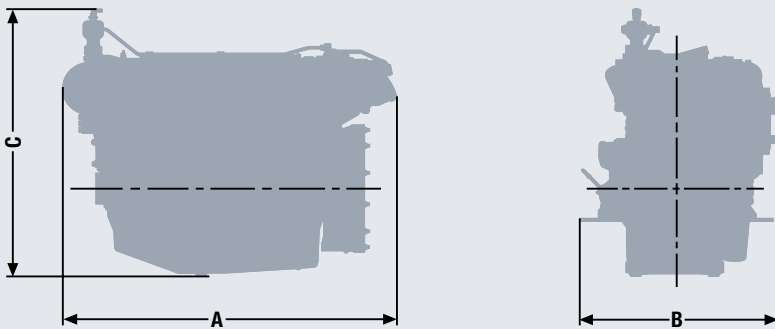
- Cylinders and arrangement: 6 cylinders in-line
- Mode of operation: four-stroke spark-ignition gas engine
- Turbocharging: turbo charger with pressure-oil lubricated bearings and water-cooled bearing pedestal
- Engine cooling: water-cooled
- Air-fuel mixture cooling: two-stage cooler

Technical features

Mode of operation		COP with natural gas					
		1 500 (50)			1 800 (60)		
at engine speed		rpm (Hz)					
Engine version		E 312	E 302	LE 302	E 312	E 302	LE 302
Bore	mm	108	108	108	108	108	108
Stroke	mm	125	125	125	125	125	125
Displacement	l	6.9	6.9	6.9	6.9	6.9	6.9
ISO standard power ⁴⁾	kW	56	75	110	64	85	110
Air-fuel ratio	λ	1.50	1.00	1.65	1.50	1.00	1.68
Coolant heat ¹⁾	kW	41	63	82	58	70	89
Exhaust heat based on 120 °C ¹⁾	kW	37	46	50	48	55	51
Efficiency ¹⁾							
– mechanical ⁴⁾	%	35.0	37.3	39.6	33.8	37.0	38.0
– thermal	%	47.9	53.3	49.6	55.2	53.6	52.1
– total	%	82.9	90.6	89.2	89.0	90.6	90.1
Emissions status NO _x ²⁾	mg/Nm ³	< 500	< 7 000	< 500 < 100 ^{5) 6)}	< 500	< 7 000	< 500 < 100 ^{5) 6)}
Combustion ³⁾		m	st	m	m	st	m

1) at 100 % load 2) with 5 % exhaust-gas oxygen 3) m = lean, st = stoichiometric 4) in accordance with German Industrial Standard DIN ISO 3046, Part 1
5) data conditional and on request 6) emission status available on request, including SCR technology

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

Type designation		E 312	E 302	LE 302
A-Overall length	mm	1090	1090	1300
B-Overall width	mm	740	740	740
C-Overall height	mm	930	930	1030
Dry weight	kg	520	520	605

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

E0836

Technical features

Mode of operation		COP with special gas			
		1 500 (50)		1 800 (60)	
at engine speed rpm (Hz)					
Engine version		LE 202	LE 302 ⁵⁾	LE 202	LE 302 ⁵⁾
Bore	mm	108	108	108	108
Stroke	mm	125	125	125	125
Displacement	l	6.9	6.9	6.9	6.9
ISO standard power ⁴⁾	kW	110	110	110	110
Air-fuel ratio	λ	1.40	1.49	1.40	1.45
Coolant heat ¹⁾	kW	85	82	102	98
Exhaust heat based on 120 °C ¹⁾	kW	50	55	51	54
Efficiency ¹⁾					
– mechanical ⁴⁾	%	40.1	39.4	38.6	37.4
– thermal	%	49.3	49.3	53.7	52.0
– total	%	89.4	88.7	92.3	89.4
Emissions status NO _x ²⁾	mg/Nm ³	< 500	< 500	< 500	< 500
Combustion ³⁾		m	m	m	m

1) at 100 % load

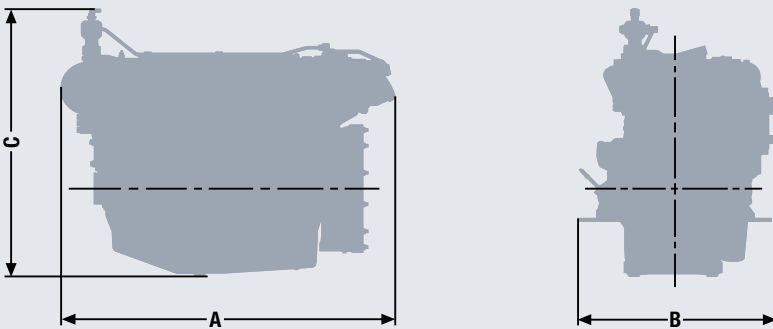
2) with 5 % exhaust-gas oxygen

3) m = lean, st = stoichiometric

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

5) data conditional and on request

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



Dimensions

Type designation	LE 202/LE 302	
A-Overall length	mm	1300
B-Overall width	mm	740
C-Overall height	mm	1030
Dry weight	kg	605

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