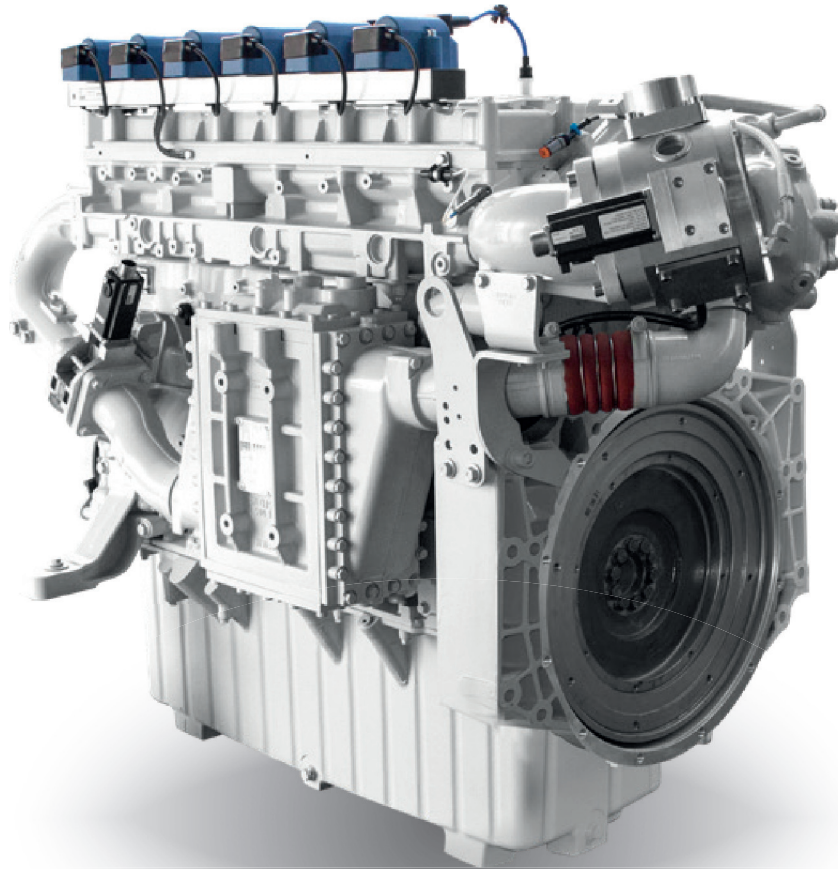


MAN Gas Engines for Power Generation

E2676



Characteristics E2676 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 E2676 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

MOTORTECH Equipment – Standard Scope of Supply

- Ignition system with MIC3+ ignition controller and LiteRail wiring rail
- MHP spark plug B4321
- Detonation control system with DetCon2
- Speed control system with ITB throttle body, VariStep3 stepper motor driver and SC100 speed controller
- Sensor harness
- VariFuel2 air/gas mixer including flow body, inlet and outlet flanges, stepper motor harness and VariStep3 stepper motor driver

E2676 – COP with Natural Gas/Special Gas

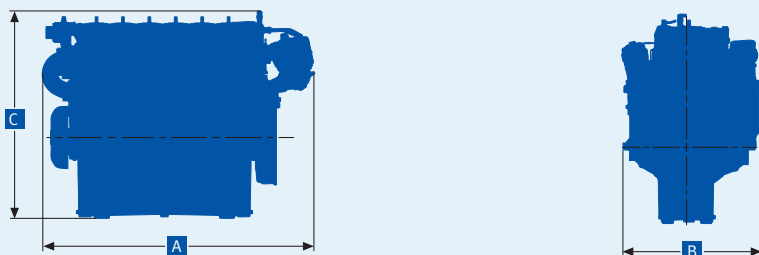
Technical Features

Mode of Operation		COP with Natural Gas		COP with Special Gas	
At engine speed	rpm (Hz)	1500 (50)	1800 (60)	1500 (50)	1800 (60)

Engine version		E 302 ⁴⁾	LE 202 ⁴⁾	LE 202	E 302 ⁴⁾	LE 202 ⁴⁾	LE 202	LE 212 ⁴⁾	LE 212	LE 212
Bore	mm	126	126	126	126	126	126	126	126	126
Stroke	mm	166	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	12.4
ISO standard power ⁵⁾	kW	140	220	220	160	250	250	220	220	250
Air-fuel ratio	λ	1.00	1.73	1.73	1.00	1.74	1.72	1.57	1.62	1.61
Coolant heat ¹⁾	kW	107	113	110	122	124	113	109	108	121
Exhaust heat based on 120 °C ¹⁾	kW	86	130	121	104	156	148	131	113	137
Efficiency ¹⁾										
■ mechanical ⁵⁾	%	39.3	41.3	43.4	38.7	39.4	41.1	40.2	42.2	40.3
■ thermal	%	54.2	47.8	46.8	54.7	49.1	46.4	49.1	44.1	46.4
■ total	%	93.5	89.1	90.2	93.4	88.5	87.5	89.3	86.3	86.7
Emissions status NO _x ²⁾	mg/Nm ³	< 5700	< 250	< 500 < 100 ^{4) 6)}	< 6500	< 250	< 500 < 100 ^{4) 6)}	< 250	< 500	< 500
Combustion ³⁾		st	m	m	st	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 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

Engine Version		E 302	LE 202	LE 212
A Overall length	mm	1594	1589	1589
B Overall width	mm	936	808	808
C Overall height	mm	1175	1206	1206
Dry weight	kg	967	985	985

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