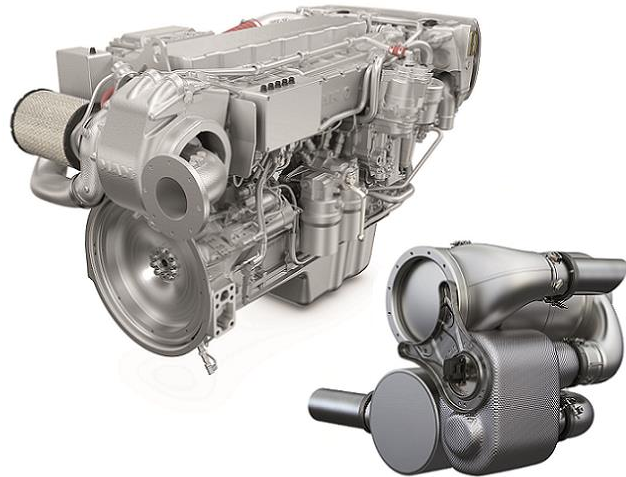


Marine auxiliary diesel D2676LE328

Performance data ¹

Rated power (100%)	295	kW
Maximum power (110%)	325	kW
Fan power		kW
Flywheel power	295	kW
Speed	1500	rpm
Bore	126	mm
Stroke	166	mm
Displacement	12,42	liter
Rated torque	1878	Nm
Compression ratio [ε]	18,0	:1
Mean effective pressure	19,00	bar
Mean piston speed	8,3	m/s



The engine illustrated may not entirely be identical to production standard engine

Consumption data ¹

Specific fuel consumption ²	196	g/kWh
Absolute fuel consumption ²	69	l/h
Lowest fuel consumption ²	196	g/kWh
Lube oil consumption (max)	74	g/h

Engine description

Application	Marine auxiliary diesel for power generation (50Hz) on board or diesel-electric propulsion
Operation profile	Up to 5500 operating hours per year and a maximum average load < 75 %
Construction	Four-stroke diesel with exhaust after-treatment system, direct injection, SAE 1 flywheel housing
Cylinders	6 cylinders in line, wet replaceable cylinder liners
Air system	Single-stage turbocharger with charge air intercooler and wastegate
Cooling system	Seawater cooled by rubber impeller pump or two-circuit-cooling system for hull cooling
Oil system	Force-feed lubrication by gear pump, lubricating oil cooler in cooling water circuit of the engine
Fuel system	Common Rail injection system with high pressure pump and EDC control, fuel to DIN EN 590
Auxiliary PTO	Front-PTO by crank shaft extension
Alternator	Three-phase generator with rectifier and transistorized governor, 28 V, 110 A
Starting system	Solenoid operated electric starter, 24 V, 5.5 kW
Service	Oil change interval 600 operating hours, average TBO 18.000 operating hours
Classification	Engine according to classification requirements available => see MAN Marine Configurator

Exhaust status IMO Tier III, NRMM stage V (2016/1628)

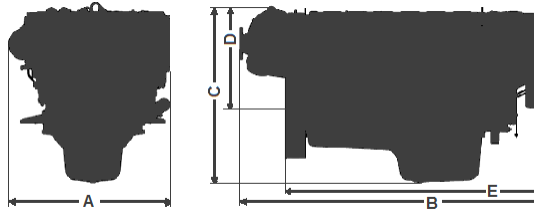
¹ values at rated power

² Tolerance +5% according to ISO 3046, diesel fuel to DIN EN 590

³ Engine data for maximum power (110%) on request

D2676LE328 ()

A - overall width.....	986 mm
B - overall length.....	1795 mm
C - overall height.....	1096 mm
D - above crank shaft....	674 mm
E - length to flywheel....	1527 mm
Engine weight (dry).....	1215 kg



Combustion parameters ¹

Intake air temperature (max)	45 °C
Intake air vacuum (min/max)	30/60 mbar
Intake air volume flow	1120 m ³ /h
Charge air temp. before cooler	150 °C
Charge air temp. after cooler	41 °C
Exhaust gas temperature	521 °C
Exhaust gas volume flow	3030 m ³ /h
Exhaust gas mass flow	1310 kg/h
Exhaust back pressure (min/max)	20/80 mbar

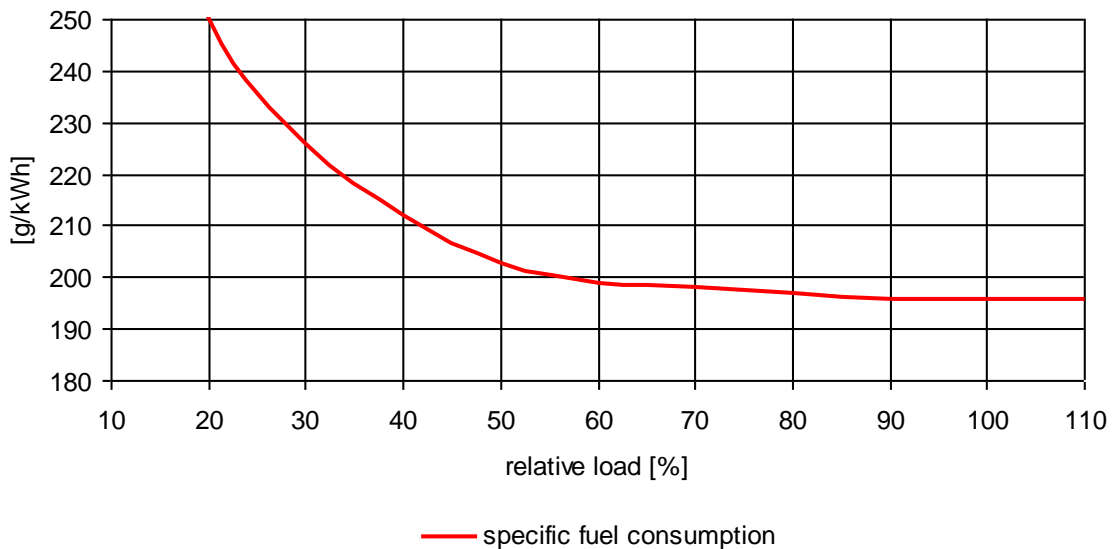
Heat balance at rated power ³

Exhaust gas heat	190 kW
Cooling water heat	140 kW
Intercooler heat	50 kW
Radiation heat	26 kW

Noise emission ¹

Engine surface noise (Lwa)	dB(A)
Free exhaust noise (Lwa)	dB(A)

Specific fuel consumption²



< The rated power is based on reference conditions according to ISO 3046-1 (2002) >

< Intake air temperature 45°C | sea water temperature 32°C >

< Barometric pressure 1000 mbar | air humidity 60% >

< Engine specifications are subjected to change without prior notice >

¹ values at rated power

² Tolerance +5% according to ISO 3046, diesel fuel to DIN EN 590

³ Engine data for maximum power (110%) on request