

MAN L27/38



Bore: 270 mm, Stroke: 380 mm

Speed	r/min	800	800 (MDO*/MGO)
mep	bar	23.5	25.2
		kW	kW
6L27/38		2,040	2,190
7L27/38		2,380	2,555
8L27/38		2,720	2,920
9L27/38		3,060	3,285

Specific Fuel Oil Consumption (SFOC) to ISO conditions

MCR	100%	85%
L27/38	188 g/kWh	185 g/kWh
L27/38 (MDO*/MGO)	191 g/kWh	186 g/kWh

Specific lube oil consumption 0.8 g/kWh

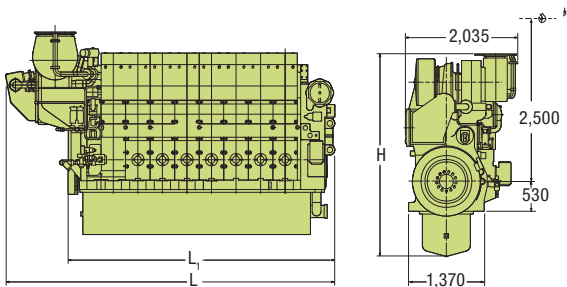
Engine type specific reference charge air temperature before cylinder 40 °C

Dimensions

Cyl. No.		6	7	8	9
L	mm	5,070	5,515	5,960	6,405
L ₁	mm	3,962	4,407	4,852	5,263
H	mm	3,555	3,687	3,687	3,687
Dry mass	t	29.0	32.5	36.0	39.5

Minimum centreline distance for twin engine installation: 2,500 mm

* MDO viscosity must not exceed 6 mm²/s = cSt @ 40 °C.



Main Data

Number of cylinder		6,7,8,9
Rated power(MCR)	kW/cyl	340
Rated speed	rpm	800
Idle speed	rpm	500
Bore	mm	270
Stroke	mm	380
Stroke/bore ratio		1.4
Cylinder distance	mm	445
Mean piston speed	m/s	10.1
Mean eff. Pressure(MEP)	bar	23.5
Compression ratio		15.9
Displacement/cylinder	L	21.8
Max.combustion pressure	bar	200
Fuel oil acceptance		MGO,MDO,HFO
Injection viscosity	cSt	Max 14
Lubricating oil	Grade	SAE 40

**ISO ambiem conditions. Tolerance 5%.*

Fulet oil with lower calorific value of 42700 kJ/kg

Without engine-driven pumps

Addition for engine-driven pumps:

1.5%(3g/kWh)for lubricating oil pump.

0.7%(1.4g/kWh)for each water pump.

***For guidance only.*

