

MAN L27/38



缸径Bore:270mm,冲程Stroke:380mm

Speed mep	r/min bar	800	800(MGO/MDO)
		23.5 kW	25.2 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

燃油消耗率 Specific Fuel Oil Consumption(SFOC)to ISO conditions

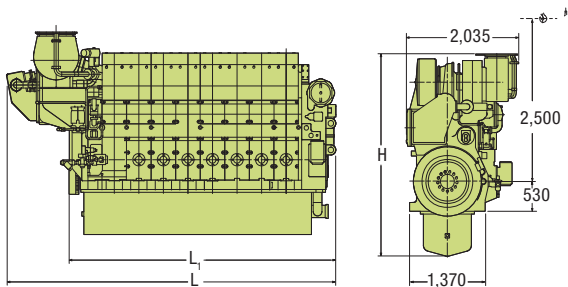
MCR	100%	85%
L27/38	188g/kWh	185g/kWh
L27/38GO	191g/kWh	186g/kWh
Specific lube oil consumption 0.8g/kWh		

尺寸 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

对于双主机装置,柴油机中心线最小间距为2,500mm

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



主要参数 Main Data

气缸数量	Number of cylinder		6,7,8,9
功率	Rated power(MCR)	kW/cyl	340
转速	Rated speed	rpm	800
怠速	Idle speed	rpm	500
缸径	Bore	mm	270
冲程	Stroke	mm	380
冲程/缸径比	Stroke/bore ratio		1.4
气缸间距	Cylinder distance	mm	445
平均活塞速度	Mean piston speed	m/s	10.1
平均有效压力	Mean eff. Pressure(MEP)	bar	23.5
压缩比	Compression ratio		15.9
扫气爆发	Displacement/cylinder	L	21.8
最大爆发压力	Max.combustion pressure	bar	200
燃油	Fuel oil acceptance		MGO,MDO,HFO
喷射粘度	Injection viscosity	cSt	Max 14
滑油	Lubricating oil	Grade	SAE 40

*ISO环境条件.公差5%。

燃油低热值为42700 kJ/kg。

柴油机不带泵。

柴油机带泵时燃油消耗率相应增加:

滑油泵: 1.5%(3 g/kWh)

每种水泵: 0.7%(1.4g/kWh)

**供参考

*ISO ambiem conditions. Tolerance 5%.

Fuleit 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.

