

MAN L21/31



缸径Bore: 210mm, 冲程Stroke: 310mm

Speed	r/min	1000
mep	bar	24.0
		kW
6L21/31		1,290
7L21/31		1,505
8L21/31		1,720
9L21/31		1,935

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

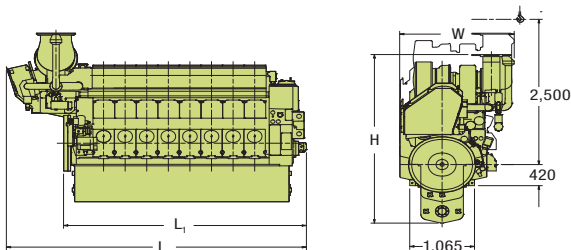
MCR	100%	85%
L21/31	195g/kWh	192g/kWh
Specific lube oil consumption 0.8g/kWh		

尺寸 Dimensions **

Cyl.No.		6	7	8	9
L	mm	4,544	4,899	5,254	5,609
L ₁	mm	3,424	3,779	4,134	4,489
H	mm	3,113	3,267	3,267	3,267
W	mm	1,695	1,695	1,820	1,820
Dry mass	t	16.0	17.5	19.0	20.5

对于双主机装置, 柴油机中心线最小间距为2,400mm

Minimum centreline distance for twim engine installation: 2,400mm



主要参数 Main Data

气缸数量	Number of cylinder		6,7,8,9
功率	Rated power(MCR)	kW / cyl	215
转速	Rated speed	rpm	1000
怠速	Idle speed	rpm	600
缸径	Bore	mm	210
冲程	Stroke	mm	310
冲程/缸径比	Stroke/bore ratio		1.5
气缸间距	Cylinder distance	mm	355
平均活塞速度	Mean piston speed	m/s	10.3
平均有效压力	Mean eff. Pressure(MEP)	bar	24.1
压缩比	Compression ratio		16.5
单缸扫气容积	Displacement/cylinder	L	10.7
最大燃烧压力	Max. combustion pressure	bar	210
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%，(3g/kWhj)

每种水泵：0.7%(1.4g/kWh)

**供参考

*ISO ambient conditions. Tolerance 5%

Fuel 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.

