

MAN系列四冲程推进主机

MAN Four-stroke Propulsion Engines



◦ L21/31

缸径 Cylinder Bore	210 mm
冲程 Stroke	310mm
Speed	1000 r/min
Mep	24.0 bar
Output	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 *

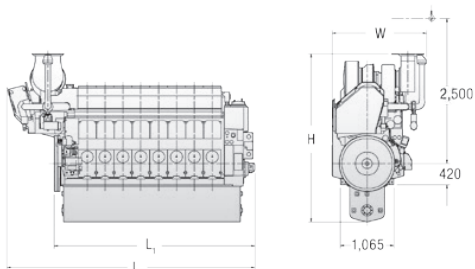
MCR	100%	85%
L21/31	192g/kWh	190g/kWh

Specific lube oil consumption 0.4-0.8g/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 twin engine installation:2,400mm



◦ L23/30A

缸径 Cylinder Bore	225mm
冲程 Stroke	300mm
Speed	900 r/min
Mep	17.1 bar
Output	kW
6L23/30A	960
8L23/30A	1,280

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

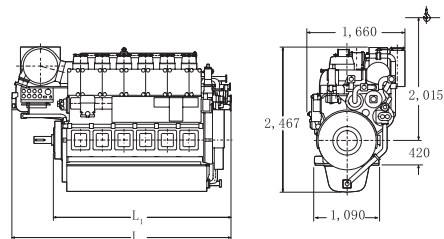
MCR	100%	85%
L23/30A	194g/kWh	193g/kWh

Specific lube oil consumption 1.0g/kWh

尺寸 Dimensions **

Cyl.No.		6	8
L	mm	3,737	4,477
L ₁	mm	3,062	3,802
Dry mass	t	11.0	13.5

对于双主机装置,柴油机中心线最小间距为1,900mm
Minimum centreline distance for twin engine installation:1,900mm



○ L27/38

缸径 Cylinder Bore	270mm	
冲程 Stroke	380mm	
Speed	800 r/min	800 r/min(MGO/MDO)
Mep	23.5 bar	25.2 bar
Output	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

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

MCR	100%		85%	
kW	340kW	365kW	340kW	365kW
L27/38	188g/kWh	191g/kWh	185g/kWh	186g/kWh
L27/38 FPP	187g/kWh	191g/kWh	181g/kWh	185g/kWh

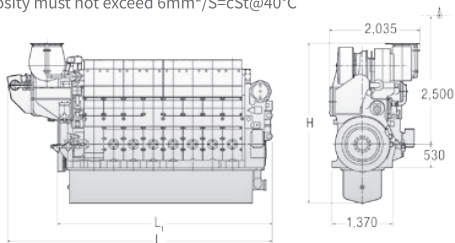
Specific lube oil consumption 0.8g/kWh

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

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 twin engine installation:2,500mm
*MDO粘度不得超过6mm²/S=cSt@40°C
*MDO viscosity must not exceed 6mm²/S=cSt@40°C



○ L28/32A

缸径 Cylinder Bore	280mm	
冲程 Stroke	320mm	
Speed	775 r/min	
Mep	19.3 bar	
Output	kW	
6L28/32A	1,470	
7L28/32A	1,715	
8L28/32A	1,960	
9L28/32A	2,205	

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

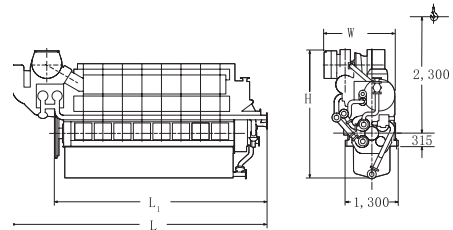
MCR	100%		85%	
L28/32A	194g/kWh		192g/kWh	

Specific lube oil consumption 1.0g/kWh

尺寸 Dimensions **

Cyl.No.		6	7	8	9
L	mm	5,330	5,810	6,290	6,770
L ₁	mm	4,340	4,750	5,230	5,780
W	mm	1,732	1,732	1,732	1,844
H	mm	3,186	3,186	3,186	3,242
Dry mass ³	t	18.0	20.5	23.0	25.5

对于双主机装置, 柴油机中心线最小间距为2,000mm
Minimum centreline distance for twin engine installation:2,000mm



○ L32/40

缸径 Cylinder Bore	320mm	
冲程 Stroke	400mm	
Speed	750 r/min	720 r/min
Mep	24.9 bar	25.9 bar
Output	kW	kW
6L32/40	3,000	3,000
7L32/40	3,500	3,500
8L32/40	4,000	4,000
9L32/40	4,500	4,500

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

MCR	100%	85%
L32/40	186g/kWh	183g/kWh
L32/40FPP	189g/kWh	184g/kWh

Specific lube oil consumption 0.5g/kWh for nominal output 500 kW/cyl., 0.56g/kWh for nominal output 450 kW/cyl.

尺寸 Dimensions **

Cyl.No.		6	7	8	9
L	mm	5,940	6,470	7,000	7,530
L ₁	mm	5,140	5,670	6,195	6,725
W	mm	2,630	2,630	2,715	2,715
H	mm	4,010	4,010	4,490	4,490
Dry mass	t	38	42	47	51

对于双主机装置,柴油机中心线最小间距为2,500mm

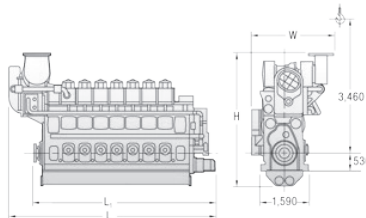
Minimum centreline distance for twin engine installation:2,500mm

对于双主机装置且增压器装在自由端,中心线最小间距为3,000mm

Minimum centreline distance for twin engine with TC on counter coupling side:3,000mm

720rpm仅用于发电机组/恒定转速运行 Speed 720 r/min for generator drive/ constant

定距浆:450kW/缸 speed operation only Fixed Pitch Propeller:450kW/cyl.



○ V32/40

缸径 Cylinder Bore	320mm	
冲程 Stroke	400mm	
Speed	750 r/min	720 r/min
Mep	24.9 bar	25.9 bar
Output	kW	kW
12V32/40	6,000	6,000
14V32/40	7,000	7,000
16V32/40	8,000	8,000
18V32/40	9,000	9,000

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

MCR	100%	85%
V32/40	184g/kWh	182g/kWh
V32/40FPP	187g/kWh	183g/kWh

Specific lube oil consumption 0.5g/kWh for nominal output 500 kW/cyl., 0.56g/kWh for nominal output 450 kW/cyl.

尺寸 Dimensions **

Cyl.No.		12	14	16	18
L	mm	6,915	7,545	8,365	8,995
L ₁	mm	5,890	6,520	7,150	7,780
W	mm	3,140	3,140	3,730	3,730
H	mm	4,100	4,100	4,420	4,420
Dry mass	t	61	68	77	85

对于双主机装置,柴油机中心线最小间距为4,000mm

Minimum centreline distance for twin engine installation:4,000mm

720rpm仅用于发电机组/恒定转速运行 Speed 720 r/min for generator drive/ constant

定距浆:450kW/缸 speed operation only Fixed Pitch Propeller:450kW/cyl.

