

MAN

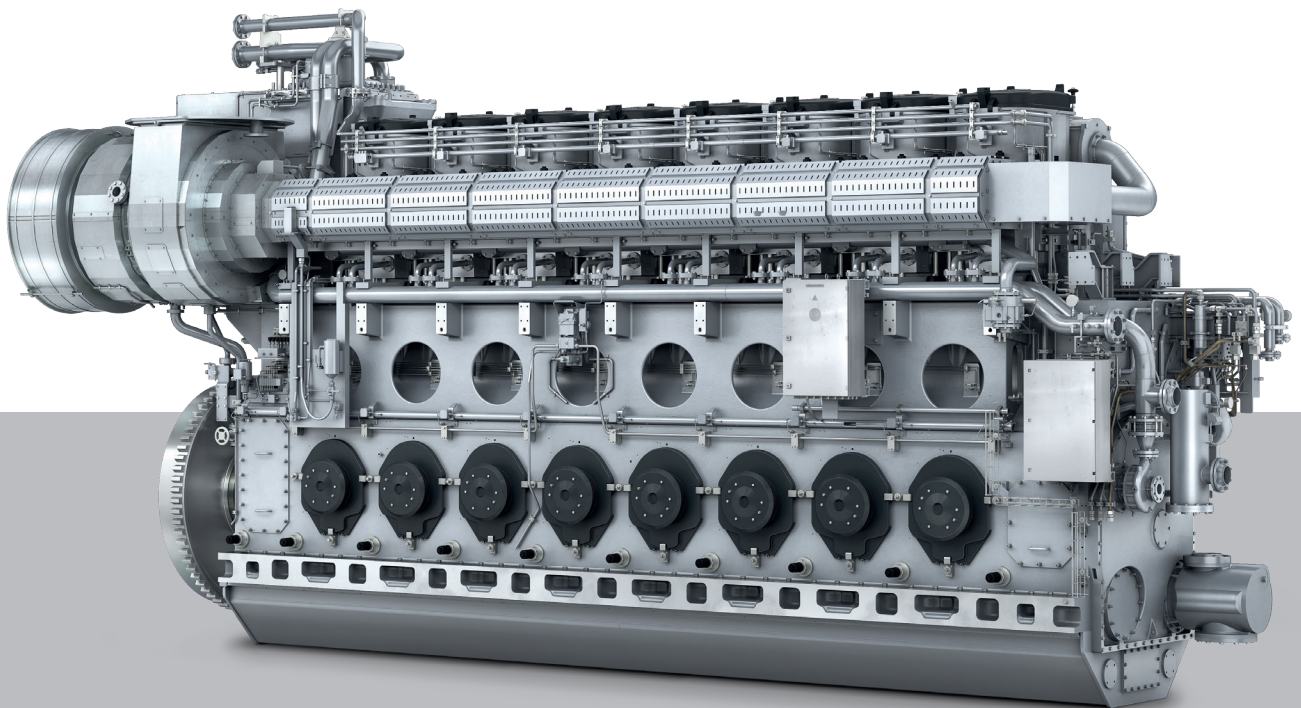
L48/60CR

Propulsion

The MAN 48/60CR is a striking combination of top performance, operational flexibility and reliability. High power output as well as low fuel consumption and exhaust emissions fit the market requirements of today and underscore the strong commitment of the MAN 48/60CR to the future.

Benefits at a glance

- High efficiency
- High specific power output
- Low emissions
- Low operating and life cycle costs
- Long maintenance intervals and service life
- High reliability



MAN L48/60CR

Propulsion

Dimensions

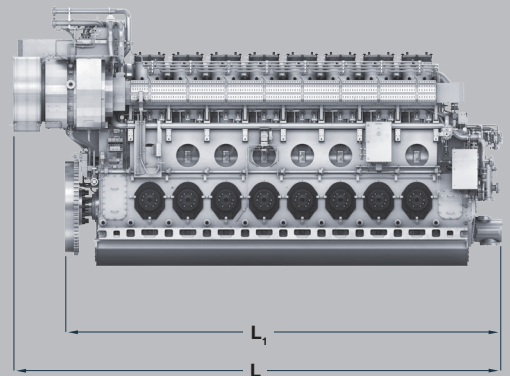
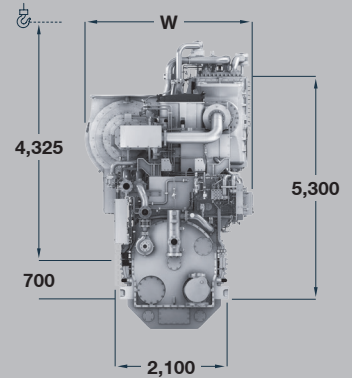
Cyl. No.		6	7	8	9
L	mm	8,760	9,580	10,540	11,360
L ₁	mm	7,455	8,275	9,095	9,915
W	mm	3,165	3,165	3,280	3,280
Dry mass	t	106	119	135	148

Output

Speed	rpm	514	500
mep	bar	25.8	26.5
MAN 6L48/60CR	kW	7,200	7,200
MAN 7L48/60CR	kW	8,400	8,400
MAN 8L48/60CR	kW	9,600	9,600
MAN 9L48/60CR	kW	10,800	10,800

Minimum centerline distance for twin engine installation: 3,200 mm

Last updated July 2018



General

- Engine cycle: four-stroke
- No. of cylinders: 6, 7, 8, 9
- Bore: 480 mm – Stroke: 600 mm
- Swept volume per cyl: 108.6 dm³

Fuel consumption at 85 % MCR*

- SFOC: 175.5g/kWh

Cylinder output (MCR)

- At 514/500 rpm: 1,200 kW
- Power-to-weight ratio:
13.7 – 14.7 kg/kW

Compliance with emission regulations

- IMO Tier II
- IMO Tier III (with MAN SCR)

Main features

Turbocharging system

- High efficiency constant pressure MAN TCA series exhaust turbocharging system

Engine automation and control

- MAN in-house developed engine attached safety and control system MAN SaCoS_{one}

Fuel system

- Advanced electronic common rail injection system

Cooling system

- 2-string high and low temperature cooling water systems

Starting system

- Starting air valves within cylinder heads

Engine mounting

- Resilient or rigid mounting

Optional equipment

- MAN ECOMAP concept – using different IMO Tier II compliant injection maps to improve fuel economy
- Additional power take-off at engine free end available

MCR = Maximum continuous rating
SCR = Selective catalytic reduction
SFOC = Specific fuel oil consumption
* According to IMO E2 test cycle

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