The MAN 32/44CR engine represents the newest technologies in the area of medium speed marine diesel engines. By the use of electronic injection, high efficiency turbochargers, electronic hardware, and variable valve timing the MAN 32/44CR is a synthesis of the most advanced large engine technologies available.

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
General
- Engine cycle: Four-Stroke
- No. of cylinders: 6, 7, 8, 9, 10
- Bore: 320 mm – Stroke: 440 mm
- Swept volume per cyl: 35.4 dm³

Fuel consumption at 85% MCR
- SFOC: 172 g/kWh
- SFOC (7 cyl.): 173 g/kWh, 580 kW

Cylinder output (MCR)
- At 750/720 rpm: 600 kW
- At 750/720 rpm: 580 kW (7 cyl.)
- Power-to-weight ratio: 9.7 – 11.4 kg/kW

Compliance with emission regulations
- IMO Tier II
- IMO Tier III (with MAN SCR)
- EPA Tier 2

Main features
- Turbocharging system
  High efficiency constant pressure MAN TCR series exhaust turbocharging system
- Engine automation and control
  MAN in-house developed engine attached Safety and Control System SaCoSone
- Fuel system
  Advanced MAN electronic Common Rail injection system
- Lube oil system
  Attached lube oil automatic filter
- Cooling system
  2-string high and low temperature cooling water systems
- Starting system
  Pressurized air starter (turbine type)
- Engine mounting
  Resilient or rigid mounting

Optional equipment
- ECOMAP concept – using of different IMO Tier II-compliant injection maps to improve fuel economy
- Additional Power Take-Off at engine free end available

Dimensions

<table>
<thead>
<tr>
<th>Cyl. No.</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
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<tbody>
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<td>6,312</td>
<td>6,924</td>
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<td>4,369</td>
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<td>Dry mass*</td>
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<td>44.5</td>
<td>49.5</td>
<td>53.5</td>
<td>58.0</td>
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Output

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<th>Speed</th>
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<th>720 rpm</th>
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<tbody>
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<td>mep</td>
<td>27.1</td>
<td>28.3</td>
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</tbody>
</table>

MAN 6L32/44CR
- 3,600 kW

MAN 7L32/44CR*
- 4,060 kW

MAN 8L32/44CR
- 4,800 kW

MAN 9L32/44CR
- 5,400 kW

MAN 10L32/44CR
- 6,000 kW

MCR = Maximum Continuous Rating | SCR = Selective Catalytic Reduction | SFOC = Specific Fuel Oil Consumption

Minimum centreline distance for twin engine installation: 2,500 mm | Speed 720 rpm for generator drive/constant speed operation only
*Including built-on lube oil automatic filter, fuel oil filter and electronic equipment
**580 kW/cyl
Fixed pitch propeller: 550 kW/cyl, 750 rpm
Wet oil sump available upon request

Last updated December 2017