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: 16.2 – 19.7 kg/kW

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

### Optional equipment
- ECOMAP concept – using of different IMO Tier II-compliant injection maps to improve fuel economy
- Frame Auxiliary Box (FAB) attached at engine free end end available

### 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 SaCoS
- 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
  Direct resilient mounting of the engine on the foundation frame (cone elements)

### 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>11,268</td>
<td>11,798</td>
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<td>2,573</td>
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<tr>
<td>H</td>
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</table>

**Dry mass**: 71, 78, 84, 91, 97 t

### Output

<table>
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<th>Speed</th>
<th>750</th>
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<th>720</th>
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<td>60</td>
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<table>
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<tr>
<th>Engine</th>
<th>Gen.*</th>
<th>Engine</th>
<th>Gen.*</th>
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<tr>
<td>MAN 6L32/44CR</td>
<td>3,600</td>
<td>3,474</td>
<td>3,600</td>
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<tr>
<td>MAN 7L32/44CR**</td>
<td>4,060</td>
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<td>MAN 9L32/44CR</td>
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<tr>
<td>MAN 10L32/44CR</td>
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</tbody>
</table>

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

*According to IMO E2 test cycle

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*Based on nominal generator efficiencies of 96.5%**

**580 kW/cyl

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MAN Diesel & Turbo, 86224 Augsburg, Germany
Phone +49 821 322 0, Fax +49 821 322 3382
info@mandieselturbo.com, www.marine.mandieselturbo.com