M 32 C

Long-Stroke Diesel Engines for Maximum Efficiency and High Reliability

6 • 8 • 9 Cylinder  12 • 16 Cylinder

In-line Engines  V-Type Engines
M 32 C – Powerful, Reliable and Economical

The acceptance of the M 32 C long-stroke engine series in the marine industry is a success story whose equal is hard to find in this power class.

Since its introduction in 1994, more than 1600 engines have been sold.

80% of those commissioned are marine propulsion engines and 20% are in electrical generator sets.

The M 32 C series is a genuine heavy fuel engine and 75% of all engines commissioned burn the economical heavy fuel oil.

The M 32 C long-stroke series, with a bore of 320 mm, has continued the market success of its predecessor in this bore size.

Decisive factors in its development have been the requirements for maximum benefit to the customer, i.e. economy and operational reliability. Environmental aspects however have also been important.

Operational results have fully confirmed the design objectives.

Further development, which led to the M 32 C version with 500 kW/cyl., has provided even more benefits to the customer.
M32 C
VM32 C
M32 C – On-Board Power
MaK Propulsion Packages
Emission Reduction Technology
M 32 C – Design Improvements

- High-efficiency turbocharger
- Segmental camshaft design
- Nodular cast-iron engine block
Customer Benefits:

- Nodular cast-iron engine block with integrated ducts for lubricating oil and charge air
- Cooling water system with simple plug-in connections
- Simplified parts spectrum by using single-pipe exhaust gas ducting
- Pulse charging system, available as an option, for all in-line engine variants
- High-efficiency turbocharger
- Engine control terminal with analog instrumentation in robust cast casing
- Segmental camshaft design
- Compact cylinder head design
- Cylinder liner, only cooled outside the engine block
- Installation-friendly, due to pumps and filters installed on the engine
- Connecting rod, split off design
- Compact module for lower valve drives and injection pump drives with cam followers
- Emission reduction technology
- Flexible Camshaft Technology (FCT), optional
- Caterpillar Common Rail fuel system, optional
M32 C – Design Features

Nodular cast iron engine block and crankcase with integrated ducts for lubricating oil and charge air
- Lubricating oil supply to the crankshaft, camshaft control system and camshaft bearings through drilled ducts
- No piping
- No cooling water in the engine block
- Easy maintenance
- High level of operational safety

Simplified parts spectrum by using single-pipe exhaust gas ducting
- Identical cylinder parts
- Reduced component complexity
- Simple assembly/dismantling
- Low weight, low installation volume and low vibration level

Pulse charging system, available as an option, for all in-line engine variants
- Advantages in marine propulsion systems subject to frequent changes of load
- Optimum engine acceleration without special control system arrangements

Cooling water system with simple plug-in connections
- Plug-in connections for the cooling water pipes with standard closure fittings
- Easy to fit, very maintenance-friendly
- Identical parts for each cylinder version
- Reduced number of components/parts
- Increased operational safety
**High-efficiency turbocharger**
- Moderate temperature level of components surrounding the combustion chamber
- Corrosion-free turbocharger casing without water cooling

**Engine control terminal with analog instrumentation in robust cast casing**
- Securedly mounted with vibration damping on the crankcase
- Direct and reliable display of all operating media pressures by robust pressure gauges
- Engine and turbocharger speed display by vibration-protected analog instruments

**Cylinder liner, only cooled outside the engine block**
- Low wear rate due to calibration ring
- Low and constant lubricating oil consumption
- Long life

**Segmental camshaft design**
- Individual segments per cylinder
- Simple to assemble and dismantle
M 32 C – Design Features

Installation-friendly, because of pumps and filters installed on the engine
- Lubricating oil automatic filter fitted to the engine
- Replaces duplex filter and separate automatic filters
- Pumps and filters operate without any external power
- Reduces the parts requirements

Connecting rod, split off design
- High level of operational safety, the result of accurately preloaded bolts

Compact module for lower valve drives and injection pump drives with cam followers
- Exact straight-line guidance for low-friction and low-wear operation

Compact cylinder head design
- Long intervals between overhauls
- Simple and fast assembly/dismantling because of:
  - plug-in connections
  - integrated bores
  - self-centering
M 32 C – On-Board Electricity

M 32 C as a generator drive
The M 32 C was introduced in 1994 in 6, 8 and 9 cylinder versions and is outstandingly suitable as generator prime mover for electric power on ships. The robust design and moderate speed permits unlimited, continuous operation with heavy fuel oil. In-line engines – complete with generators – are mounted on a common base frame. Engine and electrics are tested prior to delivery. This ensures trouble-free installation and commissioning.

Economical operation with diesel-electric propulsion
Our engineers have extensive experience in the design of diesel-electric installations. This includes both pod propulsion systems and propulsion by fixed-pitch propellers driven by electric motors. The combination of up-to-date engine technology at the primary end of the propulsion train, and up-to-date diesel-electric technology at the secondary end, ensures low operation costs and better space utilization, which in turn means improved economy overall.
VM 32 C – Compact and Powerful!

The M 32 C V-engine was introduced in 2000 in 12- and 16-cylinder versions. With a bore of 320 mm and a stroke of 460 mm, it covers a power range of 6,000 – 8,000 kW in the 720 and 750 rpm ranges. The engine is designed to meet not only the demands of the marine market but also those of the stationary electric power generation and petroleum industry markets.

The consistent application of MaK long-stroke engine design and development, along with the incorporation of as many in-line engine components as possible, is clearly and impressively demonstrated in the external configuration: – a compact, simple and clean design.

The modular construction of the engine, the integration of various functions into a single component, the robust design and the utilization of already proven, in-line engine components, form the basis for the wide availability range of this engine.

Reliable heavy fuel oil operation, low fuel and lubricating oil consumption, together with easy maintenance and long maintenance intervals, mean outstanding economical operation.
M32 C – Economical from Installation to Operation

<table>
<thead>
<tr>
<th>Component</th>
<th>TBO x 1000 h</th>
<th>Lifetime x 1000 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piston crown</td>
<td>30</td>
<td>90</td>
</tr>
<tr>
<td>Piston skirt</td>
<td>-</td>
<td>60</td>
</tr>
<tr>
<td>Piston rings</td>
<td>-</td>
<td>30</td>
</tr>
<tr>
<td>Cylinder liner</td>
<td>-</td>
<td>60 / 90*</td>
</tr>
<tr>
<td>Cylinder head</td>
<td>15</td>
<td>-</td>
</tr>
<tr>
<td>Inlet valve</td>
<td>15</td>
<td>30</td>
</tr>
<tr>
<td>Exhaust valve</td>
<td>15</td>
<td>30</td>
</tr>
<tr>
<td>Nozzle element</td>
<td>-</td>
<td>7.5</td>
</tr>
<tr>
<td>Pump element</td>
<td>-</td>
<td>15 / 20*</td>
</tr>
<tr>
<td>Main bearing</td>
<td>-</td>
<td>30</td>
</tr>
<tr>
<td>Big-end bearing</td>
<td>-</td>
<td>30</td>
</tr>
</tbody>
</table>

* MDO Operation

The above-mentioned data are not binding. They only serve as standard values. These standard values can be attained if the MaK operating and maintenance specifications are strictly observed and only MaK spare parts are used. Please consider as well the negative effect of bad fuel qualities.

HFO/MDO
Anticipated TBO and life
Long maintenance intervals and extended life form the basis for low operating costs.

Complete engine
The engine is marketed with standardized pump and filter equipment. The interfaces for the fuel, lubricating oil and cooling water systems are located at the free end of the engine for ease of connection.

Lubricating oil system
Optional deep oil pan (wet sump).

Resilient foundation
The resilient foundation system can be assembled safely, simply and cheaply and ensures the damping of vibration and structure-borne noise.
Complete propulsion systems
The supply of complete propulsion systems is a market requirement which is becoming increasingly important. We have comprehensive experience through many completed installations and as a result of our close cooperation with competent partners.

We offer:
- System responsibility and supply – all from a single source
- Accurately matched interfaces
- Coordinated delivery date control

A complete propulsion system usually consists of:
- MaK main propulsion engine with flexible coupling
- Reduction gearbox with or without installed clutch and gearbox PTO with shaft generator
- Propeller and shaft installation
- Matched remote control and monitoring equipment

M 32 C – MaK Propulsion Package

<table>
<thead>
<tr>
<th>Type</th>
<th>Rating</th>
<th>Speed</th>
<th>Engine</th>
<th>Gear</th>
<th>Shaft</th>
<th>Propeller</th>
<th>Speed</th>
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</thead>
<tbody>
<tr>
<td>6 M 32 C</td>
<td>3000</td>
<td>600</td>
<td>5946</td>
<td>2289</td>
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<td>1795</td>
</tr>
<tr>
<td>8 M 32 C</td>
<td>4000</td>
<td>600</td>
<td>7309</td>
<td>2180</td>
<td>1387</td>
<td>3319</td>
<td>1795</td>
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<tr>
<td>9 M 32 C</td>
<td>4500</td>
<td>600</td>
<td>7839</td>
<td>2180</td>
<td>1387</td>
<td>3513</td>
<td>2140</td>
</tr>
<tr>
<td>12 M 32 C</td>
<td>6000</td>
<td>720/750</td>
<td>6956</td>
<td>2980</td>
<td>1205</td>
<td>3351</td>
<td>2140</td>
</tr>
<tr>
<td>16 M 32 C</td>
<td>8000</td>
<td>720/750</td>
<td>8313</td>
<td>2980</td>
<td>1205</td>
<td>3351</td>
<td>2140</td>
</tr>
</tbody>
</table>

Examples of complete propulsion systems
Flexible Camshaft Technology (FCT) has been developed and put into production. The next milestone in emissions technology is a fully flexible fuel system suitable for DD, MDO and HFO, called the Cat® Common Rail (Cat CR) fuel system. Cat® Common Rail is considered the major building block towards low emissions, high performance and highest customer value. Caterpillar has chosen “inside the engine” measures as the technology with the highest customer value.

In combination with the long-stroke concept and high performance air systems the Cat Common Rail (Cat CR) fuel system is the most effective technology to meet emission regulations and customer expectations.

With Cat Common Rail, the injection pressure is independent from load and speed. Utilizing injection maps the injection characteristics are optimized for every engine operating point. As a result, NOx and soot emissions are reduced with the amount of reduction dependent on the actual engine operating condition.

For areas that are especially emissions-sensitive, soot emissions at low engine load remain well below the visibility limit. Furthermore, during normal load operation NOx emissions can be reduced without sacrificing fuel consumption. In general, the Cat Common Rail fuel system enables vessel operation without visible soot throughout the whole operating range.

Key criteria are:
- Compliance with current and future required emission limits for the respective power ranges.
- Customer expectations in terms of engine performance, maintenance practices, fuel quality and mode of operation.

By adopting well proven elements of this technology for medium-speed engines, it is our goal to meet and exceed customer expectations by maximizing product value through:
- Superior reliability in heavy fuel operation.
- Best fuel efficiency in its class.
- Lowest engine emissions with minimum additional complexity.
# M 32 C – Technical Data

## PROPULSION

<table>
<thead>
<tr>
<th>Type</th>
<th>Output range</th>
<th>Mean eff. pressure bar</th>
<th>Mean piston Speed m/s</th>
<th>Bore mm</th>
<th>Stroke mm</th>
<th>Spec. fuel consumption 100% g/kWh</th>
<th>Spec. fuel consumption 85% g/kWh</th>
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</thead>
<tbody>
<tr>
<td>6 M 32 C</td>
<td>2880 kW</td>
<td>24.9</td>
<td>9.6</td>
<td>320</td>
<td>480</td>
<td>177 g/kWh</td>
<td>177 g/kWh</td>
</tr>
<tr>
<td></td>
<td>3000 kW</td>
<td>25.9</td>
<td>9.6</td>
<td>320</td>
<td>480</td>
<td>177 g/kWh</td>
<td>177 g/kWh</td>
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<tr>
<td>8 M 32 C</td>
<td>3840 kW</td>
<td>24.9</td>
<td>9.6</td>
<td>320</td>
<td>480</td>
<td>177 g/kWh</td>
<td>177 g/kWh</td>
</tr>
<tr>
<td></td>
<td>4000 kW</td>
<td>25.9</td>
<td>9.6</td>
<td>320</td>
<td>480</td>
<td>177 g/kWh</td>
<td>177 g/kWh</td>
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<tr>
<td>9 M 32 C</td>
<td>4320 kW</td>
<td>24.9</td>
<td>9.6</td>
<td>320</td>
<td>480</td>
<td>177 g/kWh</td>
<td>177 g/kWh</td>
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<tr>
<td></td>
<td>4500 kW</td>
<td>25.9</td>
<td>9.6</td>
<td>320</td>
<td>480</td>
<td>177 g/kWh</td>
<td>177 g/kWh</td>
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</tbody>
</table>

Specific lubricating oil consumption 0.6 g/kWh, ± 0.3 g/kWh.

## GENERATING SETS

<table>
<thead>
<tr>
<th>Type</th>
<th>Engine rating kW</th>
<th>Generator rating kWe</th>
<th>Generator rating kVA</th>
<th>Mean eff. pressure bar</th>
<th>Mean piston Speed m/s</th>
<th>Spec. fuel consumption 100% g/kWh</th>
<th>Spec. fuel consumption 85% g/kWh</th>
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<tbody>
<tr>
<td>6 M 32 C</td>
<td>2880</td>
<td>2765</td>
<td>3456</td>
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<td>9.6</td>
<td>177 g/kWh</td>
<td>177 g/kWh</td>
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<tr>
<td></td>
<td>3000</td>
<td>2880</td>
<td>3600</td>
<td>25.9</td>
<td>9.6</td>
<td>177 g/kWh</td>
<td>177 g/kWh</td>
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<td>8 M 32 C</td>
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<td>3686</td>
<td>4608</td>
<td>24.9</td>
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<td>177 g/kWh</td>
<td>177 g/kWh</td>
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<tr>
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<td>4000</td>
<td>3840</td>
<td>4800</td>
<td>25.9</td>
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<td>5184</td>
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<td>177 g/kWh</td>
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<tr>
<td></td>
<td>4500</td>
<td>4320</td>
<td>5400</td>
<td>25.9</td>
<td>9.6</td>
<td>177 g/kWh</td>
<td>177 g/kWh</td>
</tr>
</tbody>
</table>

Specific lubricating oil consumption 0.6 g/kWh, ± 0.3 g/kWh.

### Engine Dimensions (in mm)

<table>
<thead>
<tr>
<th>Engine Type</th>
<th>L1</th>
<th>L2</th>
<th>L3</th>
<th>H1</th>
<th>H2</th>
<th>H3</th>
<th>W1</th>
<th>W2</th>
<th>Weight (t)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>9302</td>
<td>8869</td>
<td>2901</td>
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<td>19.8</td>
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<tr>
<td>8 M 32 C</td>
<td>10986</td>
<td>10461</td>
<td>2969</td>
<td>14.3</td>
<td>18.9</td>
<td>2600</td>
<td>92.0</td>
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<td>2999</td>
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<td>2600</td>
<td>98.0</td>
<td></td>
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</table>

*Dependent on generator make/type.
### VM 32 C – Technical Data

#### PROPULSION

<table>
<thead>
<tr>
<th>Type</th>
<th>Output range kW</th>
<th>Output range hp</th>
<th>Speed rpm</th>
<th>Mean piston speed m/s</th>
<th>Max. engine pressure bar</th>
<th>Max. engine pressure mm</th>
<th>Bore mm</th>
<th>Stroke mm</th>
<th>Spec. fuel consumption 100% g/kWh</th>
<th>Spec. fuel consumption 85% g/kWh</th>
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</thead>
<tbody>
<tr>
<td>12 M 32 C</td>
<td>6000</td>
<td>8160</td>
<td>720</td>
<td>22.5</td>
<td>11.0</td>
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<td>460</td>
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<tr>
<td></td>
<td>6000</td>
<td>8160</td>
<td>720</td>
<td>21.6</td>
<td>11.5</td>
<td>320</td>
<td>460</td>
<td>179</td>
<td>179</td>
<td>179</td>
</tr>
<tr>
<td>16 M 32 C</td>
<td>8000</td>
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<td>177</td>
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<tr>
<td></td>
<td>8000</td>
<td>10800</td>
<td>720</td>
<td>21.6</td>
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<td>320</td>
<td>460</td>
<td>179</td>
<td>179</td>
<td>179</td>
</tr>
</tbody>
</table>

#### SPECIFIC LUBRICATING OIL CONSUMPTION

0.6 g/kWh, ± 0.3 g/kWh

#### LCV

42700 kJ/kg, without engine-driven pumps, tolerance 5%

#### GENERATING SETS

<table>
<thead>
<tr>
<th>Type</th>
<th>Engine rating kW</th>
<th>Generator rating kW</th>
<th>Speed rpm 50 Hz</th>
<th>Speed rpm 60 Hz</th>
<th>Mean piston Speed m/s</th>
<th>Max. engine pressure bar</th>
<th>Max. engine pressure mm</th>
<th>Bore mm</th>
<th>Stroke mm</th>
<th>Spec. fuel consumption 100% g/kWh</th>
<th>Spec. fuel consumption 85% g/kWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 M 32 C</td>
<td>6000</td>
<td>5760</td>
<td>7200</td>
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<td>7200</td>
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<td>460</td>
<td>178</td>
<td>177</td>
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<tr>
<td></td>
<td>6000</td>
<td>6336</td>
<td>7920</td>
<td>6336</td>
<td>7920</td>
<td>22.5</td>
<td>11.0</td>
<td>320</td>
<td>460</td>
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<td>179</td>
</tr>
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<td>16 M 32 C</td>
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<td>7680</td>
<td>9600</td>
<td>7680</td>
<td>9600</td>
<td>22.5</td>
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<td>11.0</td>
<td>320</td>
<td>460</td>
<td>179</td>
<td>179</td>
</tr>
</tbody>
</table>

#### SPECIFIC LUBRICATING OIL CONSUMPTION

0.6 g/kWh, ± 0.3 g/kWh

#### LCV

42700 kJ/kg, without engine-driven pumps, tolerance 5%

#### GENERATING SETS (Dimensions in mm)

<table>
<thead>
<tr>
<th>Engine</th>
<th>L1*</th>
<th>L2</th>
<th>H1</th>
<th>H2</th>
<th>W1</th>
<th>W2</th>
<th>Weight (t)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>2320</td>
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<td>120.0</td>
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<tr>
<td>16 M 32 C</td>
<td>10930</td>
<td>12149</td>
<td>2319</td>
<td>2320</td>
<td>1133</td>
<td>3526</td>
<td>140.0</td>
</tr>
</tbody>
</table>

*Dependent on generator make/type.
You specify Cat or MaK power solutions, because you believe in the power of Caterpillar engines to keep you and your vessel safely on course. Cat Financial has the same commitment to your success – whether you need construction, term or repower financing.

We know how to support customers in one country, construction in a second country and registration in a third. We understand the marine industry – we’ve been lending to marine customers for more than 20 years. And, as it has been since 1986, our service commitment is powered by Caterpillar and Cat and MaK dealers everywhere.

**Global Coverage**

Whether you’re a German operator building at a Chinese shipyard or a U.S. citizen building a yacht in Italy, Cat Financial can help. Our customers do business around the world, and we support them wherever they go. Our service commitment extends to all marine sectors. From production and custom yachts to workboats and tankers – we have you covered.

**Local Presence**

Need a local expert? We know local markets and how to navigate the legal and regulatory environments. Cat Financial has offices in the Americas, Europe and Asia, and financing representatives all over the world. Put our knowledge to work to power the deal.

Get your project moving anywhere in the world with Cat Financial – backed by the power of Caterpillar and our unmatched dealer network.

Visit us online at [MARINE.CAT.COM/finance](http://MARINE.CAT.COM/finance)
Providing integrated solutions for your power system means much more than just supplying your engines. Beyond complete auxiliary and propulsion power systems, we offer a broad portfolio of customer support solutions and financing options. Our global dealer network takes care of you wherever you are—worldwide. Localized dealers offer on-site technical expertise through marine specialists and an extensive inventory of all the spare parts you might need.

To find your nearest dealer, simply go to: 
MARINE.CAT.COM
One Strong Line of World-Class Diesel Engines
Perfect Solutions for Main Propulsion and On-Board Power Supply

The Program: Quality is our Motto
For more than 80 years we have developed, built, supplied and serviced diesel engines – worldwide. Today Caterpillar Marine with its brands Cat and MaK offer high-speed and medium-speed engines with power ratings from 11 kW to 18,000 kW. Many different engine families are available to meet your specific application needs.

Cat and MaK diesel engines are distinguished by high reliability, extremely low operational costs, simple installation and maintenance and compliance with IMO environmental regulations. The application of engines in main and auxiliary marine power systems varies greatly and extends from high-speed boats and yachts, through tugs, trawlers and offshore vessels to freighters, ferries and cruise liners.

Caterpillar has combined the sales and service activities and responsibility of their Cat and MaK brand marine engine business into Caterpillar Marine Power Systems with headquarters in Hamburg/Germany.

In setting-up this worldwide structure, we have concentrated on integrating the Cat and MaK brand groups into a single, united marine team, which utilises the particular expertise of each group.

Commercial marine engine business is split into three geographic regions, Europe, Africa, Middle East, Americas, Asia-Pacific,

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**Propulsion Engines**

- **C1.5**
  - 3 cylinder
  - 10 – 13 kW
  - 16 – 18.5 kVA

- **C2.2**
  - 4 cylinder
  - 16 – 27 kWh
  - 20 – 34 kVA

- **C4.4**
  - 4 cylinder
  - 38 – 110 kW
  - 40 – 140 kVA

- **C6.5 ACERT**
  - 6 cylinder
  - 100 – 300 kW
  - 110 – 232 kVA

- **C9**
  - 6 cylinder
  - 140 – 290 kW
  - 179 – 332 kVA

- **C10 ACERT**
  - 12 cylinder
  - 295 – 900 kW
  - 344 – 900 kVA

- **C12 ACERT**
  - 6 cylinder
  - 550 – 847 kW
  - 688 – 1,175 kVA

- **3500**
  - 8, 12, 16 cylinder
  - 590 – 1,825 kWe
  - 738 – 2,281 kVA

- **C4.4**
  - 4 cylinder
  - 36 – 118 kW
  - 45 – 148 kVA

- **C1.5**
  - 3 cylinder
  - 10 – 13 kW
  - 16 – 18.5 kVA

- **C2.2**
  - 4 cylinder
  - 16 – 27 kWh
  - 20 – 34 kVA

- **C4.4**
  - 4 cylinder
  - 38 – 110 kW
  - 40 – 140 kVA

- **C6.5 ACERT**
  - 6 cylinder
  - 100 – 300 kW
  - 110 – 232 kVA

- **C9**
  - 6 cylinder
  - 140 – 290 kW
  - 179 – 332 kVA

- **C10 ACERT**
  - 12 cylinder
  - 295 – 900 kW
  - 344 – 900 kVA

- **C12 ACERT**
  - 6 cylinder
  - 550 – 847 kW
  - 688 – 1,175 kVA

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- **M 20 C**
  - 6, 8, 9 cylinder
  - 979 – 1,726 kW
  - 1,224 – 2,160 kVA

- **M 25 C**
  - 6, 8, 9 cylinder
  - 1,669 – 2,877 kW
  - 2,088 – 3,600 kVA

- **M 25 E**
  - 6, 8, 9 cylinder
  - 2,016 – 3,024 kW
  - 2,625 – 3,938 kVA

- **M 30 C**
  - 6, 8, 9 cylinder
  - 2,762 – 4,316 kW
  - 3,456 – 5,400 kVA

- **M 32 C**
  - 6, 8, 9 cylinder
  - 3,165 – 4,747 kW
  - 3,960 – 5,940 kVA

- **M 32 E**
  - 6, 8, 9 cylinder
  - 3,300 – 4,920 kW
  - 3,960 – 5,940 kVA

- **M 32 E**
  - 6, 8, 9 cylinder
  - 3,300 – 4,920 kW
  - 3,960 – 5,940 kVA

- **VM 32 C**
  - 12, 16 cylinder
  - 5,754 – 8,593 kW
  - 7,200 – 10,752 kVA

- **VM 32 C**
  - 12, 16 cylinder
  - 5,754 – 8,593 kW
  - 7,200 – 10,752 kVA
which manage all sales and product support activities. They have direct responsibility for achieving the ambitious growth targets set for the Cat and MaK brands and for providing our customers and dealers with complete marine solutions. Caterpillar’s global dealer network provides a key competitive edge – customers deal with people they know and trust. Cat dealers strive to form a strong working relationship with their customers, offering comprehensive and competent advice from project support to repair work.

Some of the most advanced manufacturing concepts are used at Caterpillar locations throughout the world to produce engines in which reliability, economy and performance are second-to-none. From the production of core components to the assembly of complete engines, quality is always the top priority. Comprehensive, recognized analysis systems, test procedures and measuring methods ensure that quality requirements are met throughout all the individual manufacturing phases. All of our production facilities are certified under 1:2000 ISO 9001 EN, the international benchmark that is helping to set new quality standards worldwide.

In addition to product quality, our customers expect comprehensive service which includes the supply of spare parts throughout the life of the engine.

Caterpillar Marine Power Systems

Production Facilities

Onboard Power Supply

High-Speed Engines

Medium-Speed Engines

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The Power You Need.

The Cat® and MaK™ brands of Caterpillar Marine offer premier high- and medium-speed propulsion, auxiliary, and generator set solutions, as well as optional dual fuel, diesel-electric, and hybrid system configurations. With the launch of Caterpillar Propulsion our comprehensive and evolving product line gives customers one source for the most extensive engine power range available, complete propulsion systems, controllable pitch propellers, transverse and azimuth thrusters, and controls. Cat and MaK products and technologies are proven reliable and are built to last in all marine applications, demonstrating superior productivity and the lowest lifecycle cost.

The Cat Global Dealer Network, more than 2,200 global service locations strong, ensures that you’ll have local expertise, highly-trained technicians, rapid parts delivery, and the proper equipment and services to keep you working – anytime, anywhere.

Construction, term, or repower financing through Cat Financial helps you make Cat and MaK power a reality. With our knowledge of customer needs, local markets, and legal and regulatory requirements, we’ve been providing tailored financing solutions and exceeding expectations since our start in 1986.

For more information and to find your local dealer, please visit our website: MARINE.CAT.COM
Visit Cat Financial at: CatPowerFinance.com

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