## QMS16M Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency</strong></td>
<td>50 Hz</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>230 V</td>
</tr>
<tr>
<td><strong>Amperes</strong></td>
<td>60.4 A cont. 70.4 A max.</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>13.9 kW cont. 16.2 kW max.</td>
</tr>
<tr>
<td><strong>Protection</strong></td>
<td>IP23</td>
</tr>
<tr>
<td><strong>Insulation</strong></td>
<td>Class H</td>
</tr>
<tr>
<td><strong>Voltage accuracy</strong></td>
<td>± 1.5%</td>
</tr>
<tr>
<td><strong>Radio interference</strong></td>
<td>Deleted</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>without sound shield : 1014 mm [39.9 in]  with sound shield : 1130 mm [44.5 in]</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>without sound shield : 548 mm [21.6 in]  with sound shield : 600 mm [23.6 in]</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>without sound shield : 691 mm [27.2 in]  with sound shield : 700 mm [27.6 in]</td>
</tr>
<tr>
<td><strong>Dry weight</strong></td>
<td>without sound shield : 328 kg [723.1 lbs]  with sound shield : 378 kg [833.4 lbs]</td>
</tr>
<tr>
<td><strong>Engine base</strong></td>
<td>Kubota</td>
</tr>
<tr>
<td><strong>Cooling system</strong></td>
<td>Seawater pump with rubber impeller</td>
</tr>
<tr>
<td><strong>Closed cooling</strong></td>
<td>Heat exchanger</td>
</tr>
<tr>
<td><strong>Cylinders</strong></td>
<td>4 in line</td>
</tr>
<tr>
<td><strong>Start (cold temperature)</strong></td>
<td>Super Glow System</td>
</tr>
<tr>
<td><strong>Exhaust connexion</strong></td>
<td>50 mm [2 in]</td>
</tr>
<tr>
<td><strong>Fuel consumption at full load</strong></td>
<td>4.8 l/h [1.27 gal US/h]</td>
</tr>
<tr>
<td><strong>Sea water pump connexion</strong></td>
<td>32 mm [1.3 in]</td>
</tr>
<tr>
<td><strong>Fuel pump - Max suction height</strong></td>
<td>std pump : 0.5 m [19.7 in]  with add. pump : 1.8 m [70.9 in]</td>
</tr>
<tr>
<td><strong>Engine operating angle</strong></td>
<td>15° cont. 30° max.</td>
</tr>
<tr>
<td><strong>Fuel connexion</strong></td>
<td>8 mm [0.3 in]</td>
</tr>
</tbody>
</table>
**TECHNICAL DESCRIPTION**

**ENGINE BASE**
- 4 strokes Diesel engine tested in all marine or industrial applications throughout the world.
- Engine block in cast iron type tunnel and timing gear.

**INJECTION AND COMBUSTION SYSTEM**
- The Super Glow System comes as standard equipment to start the engine in cold temperatures.
- The E-TVCS injection system produces an ideal air/fuel mixture by creating three vortexes in the combustion chamber. The combustion efficiency is improved, resulting in low fuel consumption.

**COOLING SYSTEM**
- Cooling is ensured by heat exchange between coolant and seawater in an heat exchanger, or via a Keel Cooling system.
- Seawater pump with rubber impeller.

**GENERATOR**
- Delivering a continuous power of 13.9 kW and able to provide up to 16.2 kW
- IP23 protection

**STANDARD EQUIPMENT**
- Extension delivered by meter
- Closed cooling with heat exchanger
- Wet exhaust
- 12V Single-pole electrical system
- Safety shutdowns on low oil pressure and high coolant temperature
- Eco GE panel ¹
- Rubber mounts
- Oil drain pump mounted on the engine ¹

**OPTIONAL EQUIPMENT**
- Seawater hoses
- Seawater filter
- Siphon breaker
- Fuel feed system piping
- Exhaust system
- Fuel prefilter
- Keel Cooling ²
- Vertical dry exhaust ²
- 12V Double-pole electrical system ²
- Luxe GE panel (instead of Eco GE panel)
- Additional electric fuel feed pump

¹ Optional in version with sound enclosure ² Not available in version with sound enclosure

**INSTRUMENT PANEL**

**ECO GE**
- Start and stop buttons
- Low oil pressure warning light
- Coolant temperature warning light
- Preheat warning light
- Battery charge warning light
- Oil pressure indicator *
- Coolant temperature indicator *

**LUXE GE**
- *Only with Luxe GE

**MAIN COMPONENTS**

1. Oil drain pump**
2. Fuel feed pump
3. Fuel filter
4. Expansion tank
5. Seawater pump
6. Oil filter
7. Oil filter port
8. Exhaust elbow

**SOUND ENCLOSURE (OPTIONAL)**

1. Start & Stop buttons
2. Warming displays
3. Hourmeter
4. Emergency stop
5. Circuit breaker
6. Exhaust outlet
7. Fuel connection
8. Power cable connection
9. Battery connection +
10. Battery connection -
11. Dashboard connection
12. Seawater connection

**NANNI INDUSTRIES S.A.S.**
11, Avenue Mariotte - Zone Industrielle
33260 La Teste - France
Tel: +33 (0)5 56 22 30 60
Fax: +33 (0)5 56 22 30 79