## QMS46T SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</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>400 V</td>
</tr>
<tr>
<td><strong>Amperes</strong></td>
<td>48 A cont. 53 A max.</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>34.4 kW cont. 37.8 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>± 5%</td>
</tr>
<tr>
<td><strong>Radio interference</strong></td>
<td>Deleted</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>1590 mm [62.6 in]</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>700 mm [27.6 in]</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>900 mm [35.4 in]</td>
</tr>
<tr>
<td><strong>Dry weight</strong></td>
<td>670 kg [1477.1 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>80 mm [3.15 in]</td>
</tr>
<tr>
<td><strong>Fuel consumption at full load</strong></td>
<td>6.9 l/h [1.82 gal US/h]</td>
</tr>
<tr>
<td><strong>Sea water pump connexion</strong></td>
<td>32 mm [1.25 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>
<tr>
<td><strong>Class approval</strong></td>
<td>Bureau Veritas</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-CDIS 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 34.4 kW and able to provide up to 37.8 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
- Luce 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
- Additional electric fuel feed pump

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

INSTRUMENT PANEL

LUYE 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

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

** Optional in version with sound enclosure (supplied loose)

SOUND ENCLOSURE (OPTIONAL)

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

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