X3.3-G2

Description
The X3.3 has all the strength and reliability the genset industry has come to expect from the X Series range but in a smaller, lighter and more economical package. The X3.3 features direct fuel injection, resulting in cleaner, quieter and more fuel efficient performance. With a highly compact 4 cylinder envelope and extremely low heat rejection, the engine offers a high degree of installation flexibility.

Features
- **Bosch direct injection in-line pump** for cleaner, more efficient fuel consumption.
- **Parent bore block** with deep, stiff crankcase and optimized rib arrangement to enhance strength and reduce noise.
- **12 volt electrical package** as standard, with starter, alternator and fuel solenoid.
- **Minimal de-rate** for high altitude or high ambient applications.
- **Shallow oil pan** and single spin-on oil and fuel filter.
- **SAE ‘3/11.5’ flywheel/flywheel housing.**
- **Integrated Design** - CoolPac products are supplied fitted with cooling package and heavy duty air cleaner for a complete power package. Each component has been specifically developed and rigorously tested for G-Drive products, ensuring high performance, durability and reliability.
- **Service and Support** - G-Drive products are backed by an uncompromising level of technical support and after sales service, delivered through a world class service network.

1800 rpm (60 Hz Ratings)

<table>
<thead>
<tr>
<th>Gross Engine Output</th>
<th>Net Engine Output</th>
<th>Typical Generator Set Output</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standby</strong></td>
<td><strong>Prime</strong></td>
<td><strong>Base</strong></td>
</tr>
<tr>
<td>kWm/BHP</td>
<td>kWm/BHP</td>
<td>kW</td>
</tr>
<tr>
<td>42/56</td>
<td>36/48</td>
<td>29.4/39.4</td>
</tr>
</tbody>
</table>

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(10/12) (GDSS169)
General Engine Data

**Type**
4-cycle, In-line, 4-cylinder, Naturally Aspirated, Diesel.

**Bore mm**
91.4 mm (3.59 in.)

**Stroke mm**
127 mm (5 in.)

**Displacement Litre**
3.3 litre (204 in.)

**Cylinder Block**
Cast iron, 4 cylinder

**Battery Charging Alternator**
36 amps

**Starting Voltage**
12 volt, negative ground

**Fuel System**
Direct injection

**Fuel Filter**
Spin on fuel filters with water drain facility

**Lube Oil Filter Type(s)**
Spin on full flow filter

**Lube Oil Capacity (l)**
6.5

**Flywheel Dimensions**
3/11.5

Coolpac Performance Data

**Cooling System Design**
Jacket water cooled

**Coolant Ratio**
50% ethylene glycol; 50% water

**Coolant Capacity (l)**
8.6

**Limiting Ambient Temp.**
50 degC

**Fan Power kw**
1

**Cooling System Air Flow (m³/s)**
1.7

**Air Cleaner Type**
Heavy Duty Dry replaceable element with restriction indicator

**Fuel Consumption 1800 (60 Hz)**

<table>
<thead>
<tr>
<th>%</th>
<th>kWm</th>
<th>BHP</th>
<th>L/ph</th>
<th>US gal/ph</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standby Power</td>
<td>100</td>
<td>42</td>
<td>56</td>
<td>12.2</td>
</tr>
<tr>
<td>Prime Power</td>
<td>100</td>
<td>36</td>
<td>48</td>
<td>9.7</td>
</tr>
<tr>
<td>75</td>
<td>26</td>
<td>35</td>
<td>6.9</td>
<td>1.8</td>
</tr>
<tr>
<td>50</td>
<td>18</td>
<td>24</td>
<td>5.1</td>
<td>1.3</td>
</tr>
<tr>
<td>25</td>
<td>9</td>
<td>12</td>
<td>3.3</td>
<td>0.9</td>
</tr>
<tr>
<td>Continuous Power</td>
<td>100</td>
<td>29.4</td>
<td>39.4</td>
<td>7.7</td>
</tr>
</tbody>
</table>

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