PS2-1800 HR-03HH gas
Solar Submersible Pump System for 4" wells

System Overview

Head
Flow rate
max. 1,650 ft
max. 2.8 bbl/h

Technical Data

Controller PS2-1800
- Solar direct or via PowerPack
- Control inputs for dry running protection, remote control etc.
- Controlling and monitoring
- Programmable pump cycles and flow rates
- Integrated data logger with Bluetooth

Power
Input voltage
Optimum Vmp**
Motor current
Efficiency
Ambient temp.
Enclosure class
max. 1.8 kW
max. 200 V
> 102 V
max. 14 A
max. 98 %
-40...122 °F
IP68

Motor ECDRIVE 1200A-HR / ECDRIVE 1800A-HR
- Maintenance-free brushless DC motor
- Water filled
- Premium materials, stainless steel: AISI 304/316
- No electronics in the motor
Rated power
Efficiency
Motor speed
Insulation class
Enclosure class
Submersion
1.7 kW
max. 92 %
900...3,300 rpm
F
IP68
max. 1,640 ft

Pump End PE HR-03HH gas***
- Premium materials, stainless steel: AISI 304/316
- Hard chrome plated rotor
- Helical rotor pump

Pump Unit PU1800 HR-03HH gas (Motor, Pump End)
Borehole diameter
Water temperature
min. 4.0 in
max. 122 °F

Standards
2006/42/EC, 2004/108/EC, 2006/95/EC
IEC/EN 61702:1995

**Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature
***Specify temperature range on order

The logos shown reflect the approvals that have been granted for this product family. Products are ordered and supplied with the approvals specific to the market requirements.

All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market requirements and regulations.
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Pump Chart

Dimensions and Weights

Controller

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1</td>
<td>14 in</td>
</tr>
<tr>
<td>H2</td>
<td>13 in</td>
</tr>
<tr>
<td>W1</td>
<td>8.1 in</td>
</tr>
<tr>
<td>W2</td>
<td>6.7 in</td>
</tr>
<tr>
<td>W3</td>
<td>6.5 in</td>
</tr>
<tr>
<td>D1</td>
<td>4.9 in</td>
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</tbody>
</table>

Pump Unit

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>37 in</td>
</tr>
<tr>
<td>B</td>
<td>8.7 in</td>
</tr>
<tr>
<td>C</td>
<td>29 in</td>
</tr>
<tr>
<td>D</td>
<td>3.5 in</td>
</tr>
<tr>
<td>S</td>
<td>1 in</td>
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</tbody>
</table>

Net weight

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controller</td>
<td>13 lbs</td>
</tr>
<tr>
<td>Pump Unit</td>
<td>26 lbs</td>
</tr>
<tr>
<td>Motor</td>
<td>15 lbs</td>
</tr>
<tr>
<td>Pump End</td>
<td>11 lbs</td>
</tr>
</tbody>
</table>

*Vmp*: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

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