PS2-4000 HRE-05HSL Energy-2

Solar Submersible Pump System for 4" oil and gas wells

System Overview

Head
Flow rate
max. 2,300 ft
max. 4,2 USG/min

Technical Data

Controller PS2-4000 Energy
- 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
max. 4,0 kW
Input voltage
max. 375 V
Optimum Vmp**
> 238 V
Motor current
max. 14 A
Efficiency
max. 98 %
Ambient temp.
-40...122 °F
Enclosure class
IP68

Motor EC DRIVE 4000-HRE Energy
- Maintenance-free brushless DC motor
- Water filled
- Premium materials, stainless steel: AISI 304/316
- No electronics in the motor
- Plug connection
Rated power
5,4 HP
Efficiency
max. 92 %
Motor speed
900...3,300 rpm
Insulation class
F
Enclosure class
IP68
Submersion
max. 1.640 ft

Pump End PE HRE-05HSL Energy-2***
- Stilling tube for solid reduction
- Premium materials, stainless steel: AISI 304/316
- Tungsten plated rotor
- Helical rotor pump
Efficiency
max. 79 %

Pump Unit PU4000 HRE-05HSL Energy-2 (Motor, Pump End)
Borehole diameter
min. 4,0 in
Fluid temperature
max. 122 °F

Standards

2006/42/EC, 2004/108/EC, 2006/95/EC

IEC/EN 61702:1995

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.

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

***Specify temperature range on order

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Pump Chart

Dimensions and Weights

Controller
H1 = 14 in
H2 = 13 in
W1 = 8.1 in
W2 = 6.7 in
W3 = 6.5 in
D1 = 4.9 in

Pump Unit
A = 57 in
B = 11 in
C = 46 in
D = 3.8 in
S = 1 in

Net weight
Controller 13 lbs
Pump Unit 44 lbs
Motor 22 lbs
Pump End 22 lbs

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