

# PS2-4000 C-SJ3-32

Solar Submersible Pump System for 4" wells

## System Overview

Head	max. 220 m
Flow rate	max. 4.2 m³/h

## Technical Data

### Controller PS2-4000

- Controlling and monitoring
- Control inputs for dry running protection, remote control etc.
- Protected against reverse polarity, overload and overtemperature
- Integrated MPPT (Maximum Power Point Tracking)
- Integrated Sun Sensor

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...50 °C
Enclosure class	IP68

### Motor ECDRIVE 4000-C

- Maintenance-free brushless DC motor
- Water filled
- Premium materials, stainless steel: AISI 304/316
- No electronics in the motor

Rated power	4.0 kW
Efficiency	max. 92 %
Motor speed	900...3,300 rpm
Insulation class	F
Enclosure class	IP68
Submersion	max. 150 m

### Pump End PE C-SJ3-32

- Non-return valve
  - Premium materials, stainless steel: AISI 304
  - Centrifugal pump
- Efficiency max. 52 %



### Pump Unit PU4000 C-SJ3-32 (Motor, Pump End)

Borehole diameter	min. 4,0 in
Water temperature	max. 50 °C

## Standards



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

IEC/EN 61702:1995, IEC/EN 62253 Ed.1

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

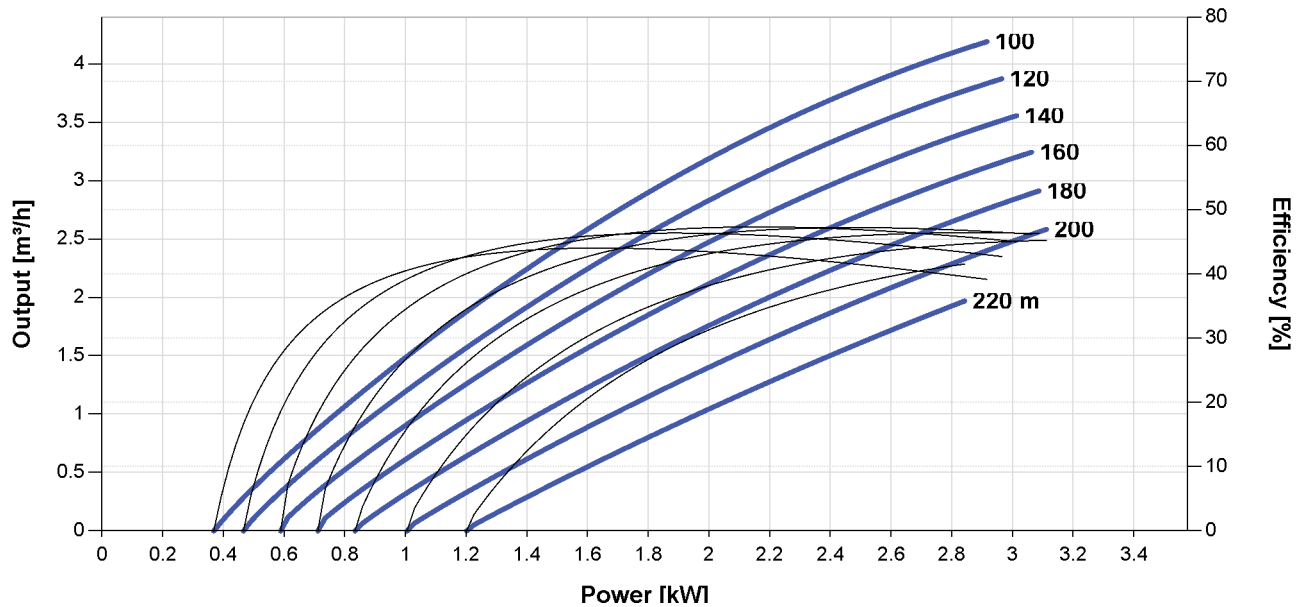


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## Pump Chart

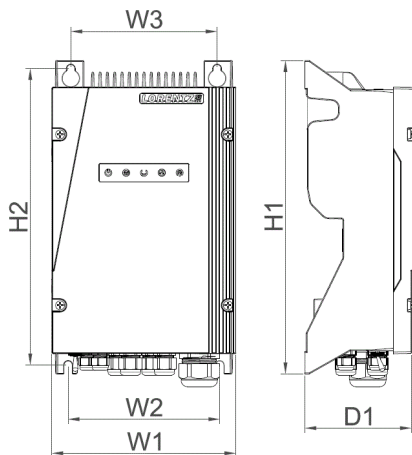
V<sub>mp</sub>\* > 238 V



## Dimensions and Weights

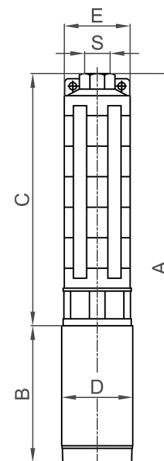
### Controller

H1 = 352 mm  
H2 = 333 mm  
W1 = 207 mm  
W2 = 170 mm  
W3 = 164 mm  
D1 = 124 mm



### Pump Unit

A = 1,088 mm  
B = 245 mm  
C = 843 mm  
D = 96 mm  
E = 98 mm  
S = 1.25 in



	Net weight
Controller	6.1 kg
Pump Unit	20 kg
Motor	10 kg
Pump End	9.5 kg

\*V<sub>mp</sub>: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

