PS9k2 C-SJ42-4

Solar Submersible Pump System for 6" wells

System Overview

Head	max. 35 m
Flow rate	max. 72 m³/h

PS DataModule – Integrated Data Logger and advanced pump management features. Allows for simple system configuration, real-time and stored data plus provides Bluetooth communication to PumpScanner Android ™ App and PS Communicator.*

Technical Data

Controller PS9k2

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

Power	max. 10 kW
Input voltage	max. 850 V
Optimum Vmp**	> 575 V
Motor current	max. 17 A
Efficiency	max. 98 %
Ambient temp.	-30...50 °C
Enclosure class	IP54

Motor AC DRIVE SUB 6" 7.5kW

- Highly efficient 3-phase AC motor
- Frequency: 25...54 Hz
- Premium materials, stainless steel: AISI 304
- No electronics in the motor

Motor speed	1,400...3,080 rpm
Power factor	0.87
Insulation class	F
Enclosure class	IP68
Submersion	max. 300 m

Pump End PE C-SJ42-4

- Non-return valve
- Premium materials, stainless steel: AISI 304
- Optional: dry running protection
- Centrifugal pump

Pump Unit PU9k2 C-SJ42-4 (Motor, Pump End)

Borehole diameter	min. 6,0 in
Water temperature	max. 30 °C

Standards

CE 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.

* PS DataModule is included in all PSk2 controllers and any PS controllers with –D in their description. –D variants should be ordered if there is a potential need to use the PS DataModule features in the future as this is not a retrofit option.

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

BERNT LORENTZ GmbH & Co. KG
Kroegerskoppel 7, 24558 Henstedt-Ulzburg, Germany,
Tel +49 (0)4193 7548-0, Fax -29, www.lorentz.de

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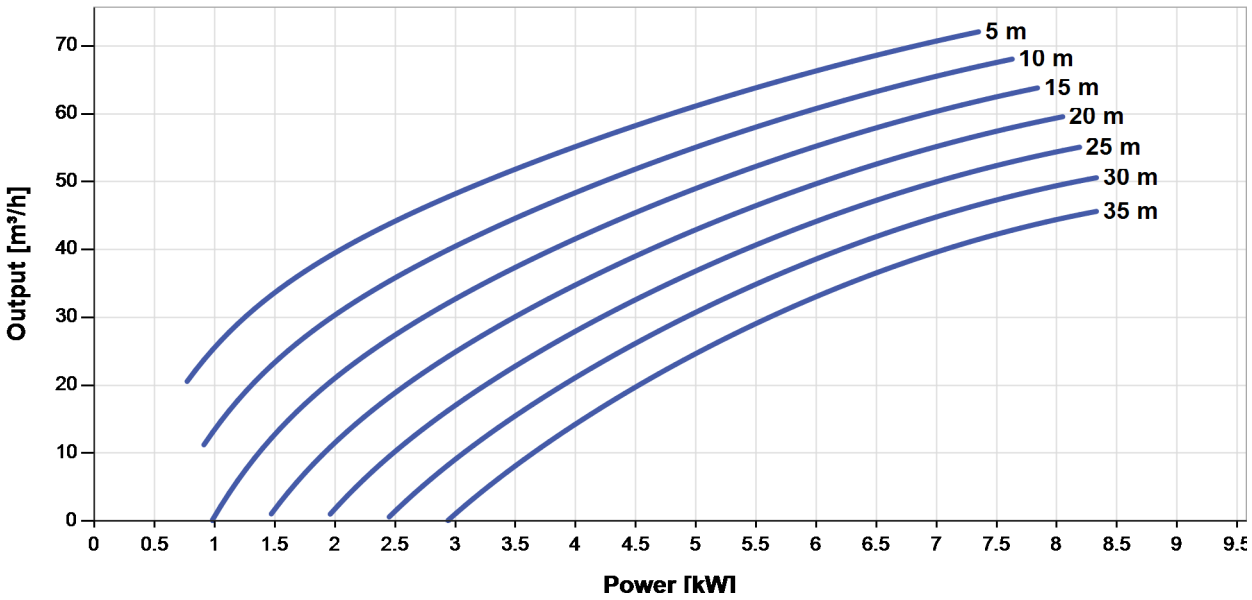
Pump Chart

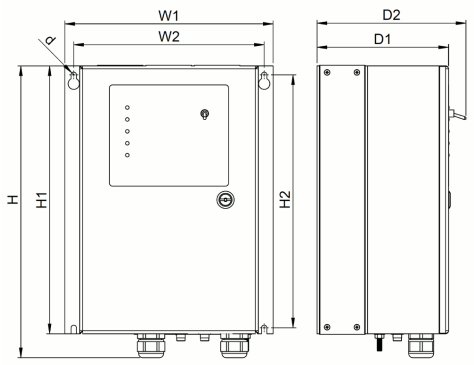
Vmp* > 575 V



Dimensions and Weights

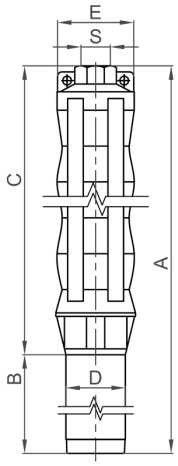
Controller

H = 500 mm
H1 = 450 mm
H2 = 425 mm
W1 = 320 mm
W2 = 290 mm
D = 9.0 mm
D1 = 220 mm
D2 = 250 mm



Pump Unit

A = 1,362 mm
B = 645 mm
C = 717 mm
D = 144 mm
E = 147 mm
S = 3 in



	Net weight
Controller	17 kg
Pump Unit	68 kg
Motor	52 kg
Pump End	16 kg

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