

# PS9k C-SJ42-4

## Solar Submersible Pump System for 6" wells

### System Overview

Head	max. 35 m
Flow rate	max. 72 m³/h

### Technical Data

#### Controller PS9k

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

Power	max. 9,5 kW
Input voltage	max. 800 V
Optimum Vmp*	> 575 V
Motor current	max. 14 A
Efficiency	max. 98 %
Ambient temp.	-30...50 °C
Enclosure class	IP41

#### Motor AC DRIVE SUB 6" 7.5kW

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

Efficiency	max. 92 %
Motor speed	1.150...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

#### Pump Unit PU C-SJ42-4 (Motor, Pump End)

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



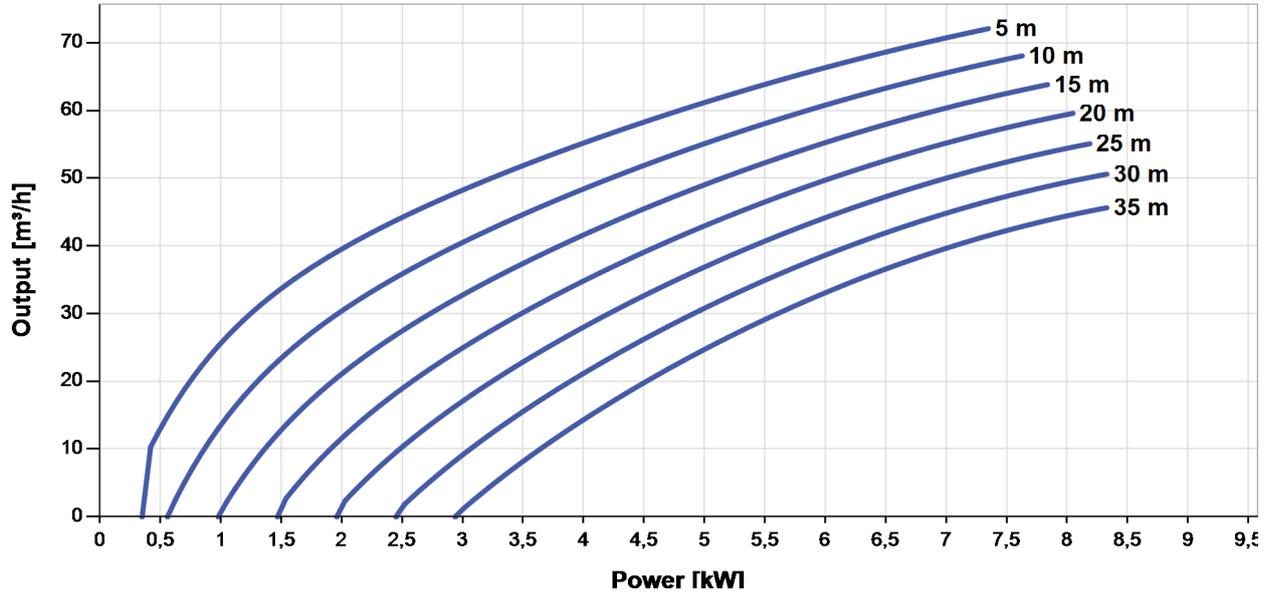
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### Pump Chart

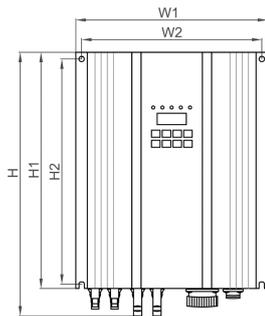
Vmp\* > 575 V



### Dimensions and Weights

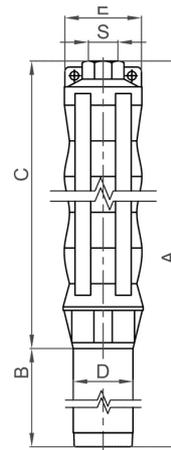
#### Controller

H = 350 mm  
 H1 = 310 mm  
 H2 = 295 mm  
 W1 = 250 mm  
 W2 = 235 mm  
 D1 = 200 mm  
 D2 = 167 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	9,0 kg
Pump Unit	68 kg
Motor	52 kg
Pump End	16 kg

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

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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.

**Sun. Water. Life.**