PS9k2 CS-F42-20



Solar Surface Pump System

System Overview

Head Flow rate

max. 45 m max. 65 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. | -3050 °C |
| Enclosure class | IP54 |
| | |

Motor AC DRIVE CS-F 7.5kW

| Highly efficient 3-phase AC motor | |
|---|----------------|
| Frequency: 2551 Hz | |
| Motor speed | 1,4002,905 rpm |
| Power factor | 0.87 |
| Insulation class | F |
| Enclosure class | IPX4 |
| | |

Pump End PE CS-F42-20

- Premium materials
- Optional: dry running protection
- Centrifugal pump

Pump Unit PU9k2 CS-F42-20 (Motor, Pump End)

Water temperature Suction head

max. 70 °C max. 3 m

Standards

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

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

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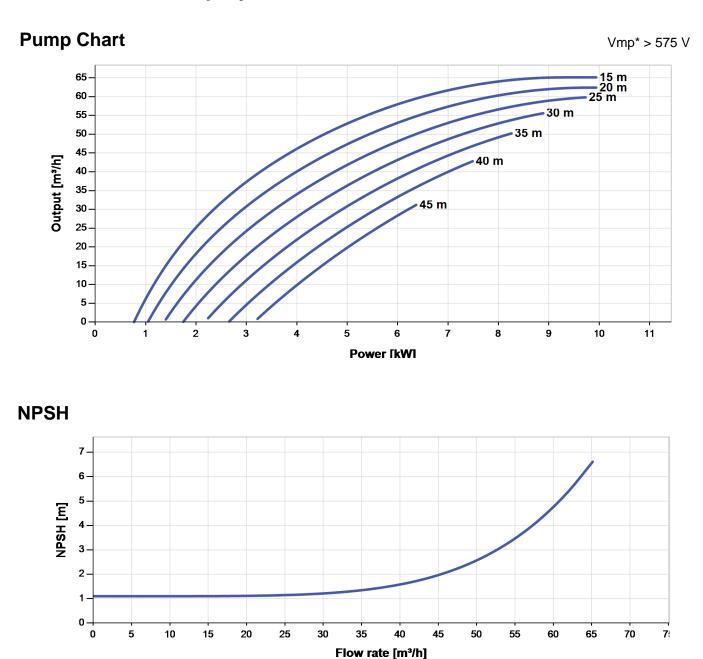


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The NPSH (Net Positive Suction Head) is NOT the operating suction head. To calculate the operating suction head please refer to the installation manual.

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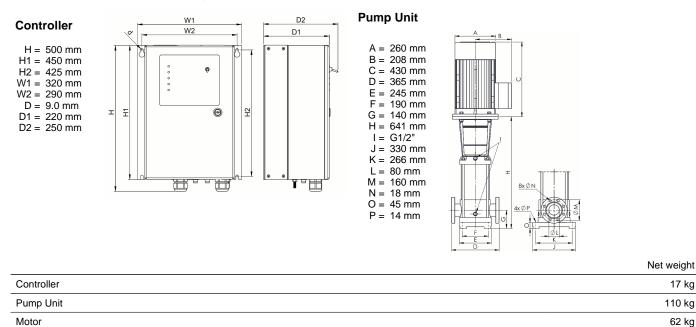
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Dimensions and Weights



Pump End

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17 kg

62 kg

48 kg

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