# PS40k2 CS-F85-40



## **Solar Surface Pump System**

### **System Overview**

Head Flow rate max. 90 m max. 125 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 <sup>™</sup> App and PS Communicator.\*

## **Technical Data**

#### Controller PS40k2

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

Power	max. 37 kW
Input voltage	max. 850 V
Optimum Vmp**	> 575 V
Motor current	max. 65 A
Efficiency	max. 98 %
Ambient temp.	-3050 °C
Enclosure class	IP54

### Motor AC DRIVE CS-F 30kW

<ul> <li>Highly efficient 3-phase AC motor</li> </ul>	
<ul> <li>Frequency: 2550 Hz</li> </ul>	
Motor speed	1,4002,850 rpm
Power factor	0.90
Insulation class	F
Enclosure class	IPX4

### Pump End PE CS-F85-40

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

#### Pump Unit PU40k2 CS-F85-40 (Motor, Pump End)

Water temperature Suction head

max. 70 °C max. 3 m

## Standards

**CE**<sup>200</sup>

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.

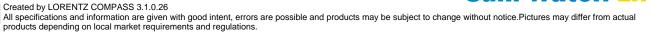
\*\*Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

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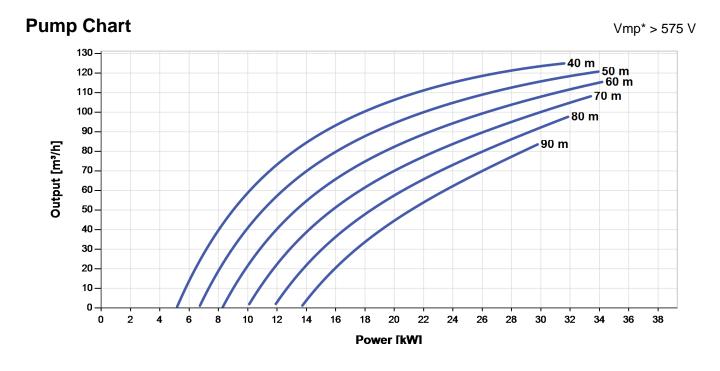
Sun. Water. Life.

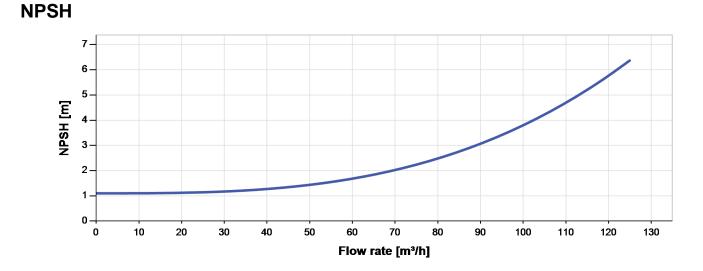




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The NPSH (Net Positive Suction Head) is NOT the operating suction head. To calculate the operating suction head please refer to the installation manual.

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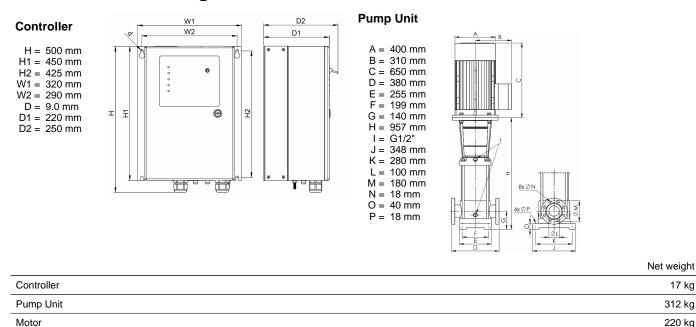


# **PS40k2 CS-F85-40**

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## **Dimensions and Weights**

Pump End



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17 kg

312 kg 220 kg

92 kg

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