

PSk2-21 CS-F85-20

Solar Surface Pump System

System Overview

Head Flow rate

Technical Data

Controller PSk2-21

- High efficiency solar pump controller

- Hybrid power (solar / grid / generator) support with LORENTZ SmartSolution
- Inputs for water meter, pressure sensors, digital switches
- Simple configuration with LORENTZ PumpScanner Android™App
- Onboard data logging and system monitoring
- · Inbuilt applications for constant pressure, constant flow and daily
- amount
- Integrated Sun Sensor
- Active temperature management
- Integrated MPPT (Maximum Power Point Tracking)

Power	max. 21 kW
Input voltage	max. 850 V
Optimum Vmp**	> 575 V
Motor current	max. 33 A
Efficiency	max. 98 %
Ambient temp.	-3050 °C
Enclosure class	IP66

Motor AC DRIVE CS-F 15kW

Highly efficient 3-phase AC motor

 Frequency: 2551 Hz 	
Efficiency	max. 82 %
Motor speed	1.4002.905 rpm
Power factor	0,87
Insulation class	F
Enclosure class	IPX4

Pump End PE CS-F85-20

Premium materials
 Contrifugal nump

 Centrilugal pump 	
Efficiency	max. 77 %

Pump Unit PUk2-21 CS-F85-20 (Motor, Pump End)

Water temperature	max. 70 °C****
Suction head	acc. to COMPASS sizing

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.

max. 50 m

max. 120 m³/h

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

****Special solutions available for >70 $^\circ$ C, please consult your distributor

BERNT LORENTZ GmbH

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Sun. Water. Life.

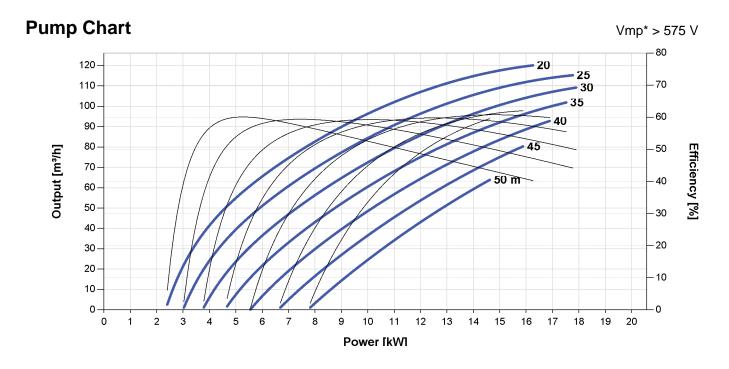
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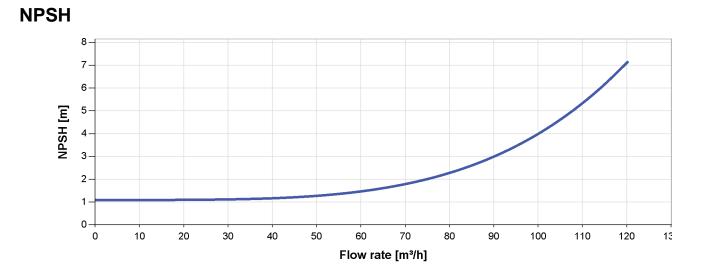
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The NPSH (Net Positive Suction Head) is NOT the operating suction head. To calculate the operating suction head please refer to the installation manual.

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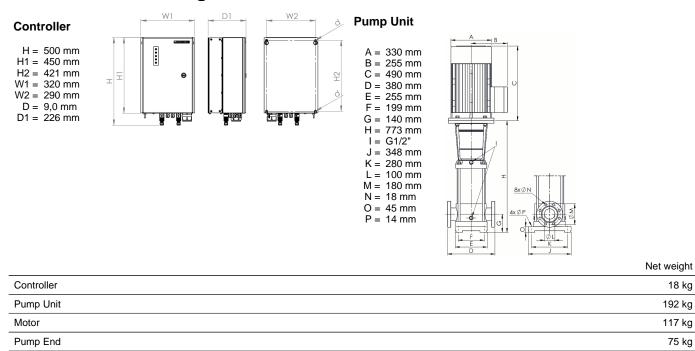
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Dimensions and Weights



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18 kg

75 kg

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