# PSk3-15 CS-F65-20

Solar Surface Pump System

### **System Overview**

Head Flow rate

**Technical Data** 

#### Controller PSk3-15

- High efficiency solar pump controller
- Integrated hybrid power functions to mix solar with grid / generator power
- Integrated MPPT (Maximum Power Point Tracking)
- Multiple analogue and digital sensor
- Simple configuration with LORENTZ Assistant App
- Onboard data logging and system monitoring with real-time and historic data views
  Inbuilt water applications to manage your pumping system
- Induit water applications to manage your pumping system
   SunSensor included for unique pump and motor protection
- Sunsensor included for unique pump and i
- Active temperature management

Power	max. 16 kW
Input voltage	max. 850 V
Optimum Vmp**	> 575 V
Motor current	max. 25 A
Efficiency	max. 98 %
Ambient temp.	-2560 °C
Enclosure class	IP66

#### Motor AC DRIVE CS-F 11kW

Highly efficient 3-phase AC motor

<ul> <li>Frequency: 2551 Hz</li> </ul>	
Efficiency	max. 80 %
Motor speed	1.4002.905 rpm
Power factor	0,87
Insulation class	F
Enclosure class	IPX4

#### Pump End PE CS-F65-20

- Premium materials
- Centrifugal pump
  Efficiency
  max. 84 %

#### Pump Unit PU15k CS-F65-20 (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. 45 m

max. 94 m<sup>3</sup>/h

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

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

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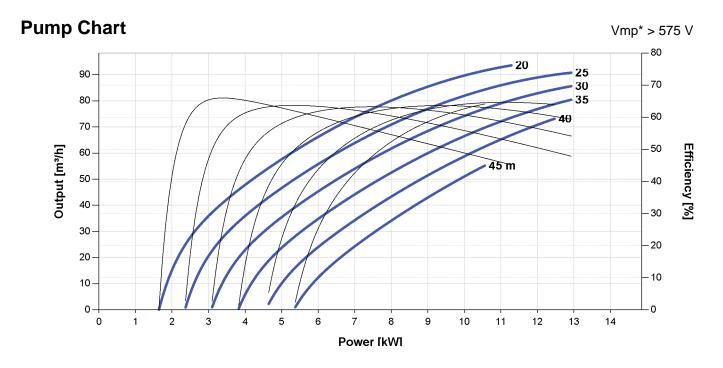
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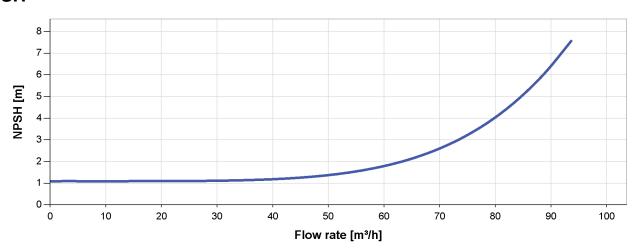


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The NPSH (Net Positive Suction Head) is NOT the operating suction head. To calculate the operating suction head please refer to the installation manual.

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

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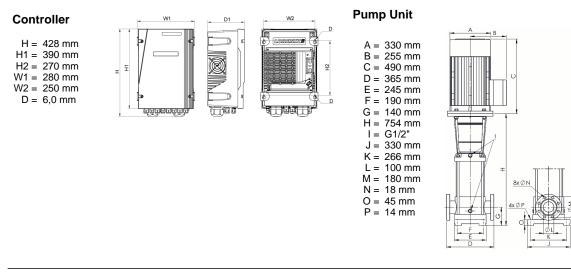
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## PSk3-15 CS-F65-20

**Solar Surface Pump System** 

### **Dimensions and Weights**



Net weight

Controller	
Pump Unit	182 kg
Motor	107 kg
Pump End	75 kg

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