PSk3-15 C-SJ17-18

Solar Submersible Pump System for 6" wells

System Overview

Head	max. 180 m
Flow rate	max. 22 m³/h

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 Assitant App
- Onboard data logging and system monitoring with real-time and historic data views
- Inbuilt water applications to manage your pumping system
- SunSensor included for unique pump and motor protection
- 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.	-25...60 °C
Enclosure class	IP66

Motor AC DRIVE SUB 6" 11kW

- Highly efficient 3-phase AC motor
- Frequency: 25...50 Hz
- Premium materials, stainless steel: AISI 304
- No electronics in the motor

Efficiency	max. 80 %
Motor speed	1,400...2,850 rpm
Power factor	0.87
Insulation class	F
Enclosure class	IP68
Submersion	max. 150 m

Pump End PE C-SJ17-18

- Non-return valve
- Premium materials, stainless steel: AISI 304
- Centrifugal pump

Efficiency	max. 74 %

Pump Unit PU15k C-SJ17-18 (Motor, Pump End)

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



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.

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

****Special solutions available for >30 °C, please consult your distributor

BERNT LORENTZ GmbH
Siebenstuecken 24, 24558 Henstedt-Ulzburg,
Germany, Tel +49 (0)4193 8806-700, www.lorentz.de

Sun. Water. Life.

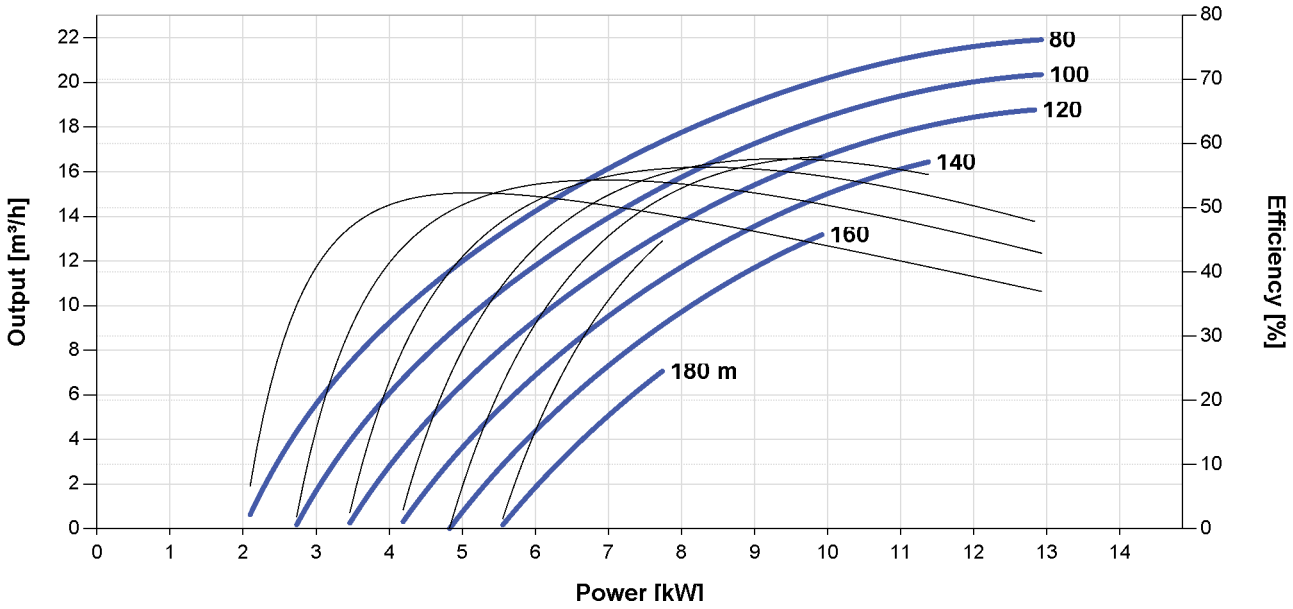
Created by LORENTZ COMPASS 3.1.0.270
All specifications and information are given with good intent, errors are possible and products may be subject to change without notice.Pictures may differ from actual products depending on local market requirements and regulations.

PSk3-15 C-SJ17-18

Solar Submersible Pump System for 6" wells

Pump Chart

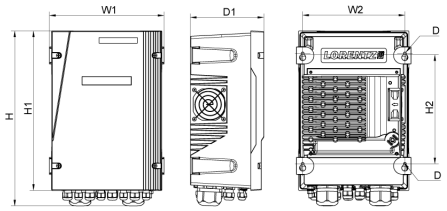
Vmp* > 575 V



Dimensions and Weights

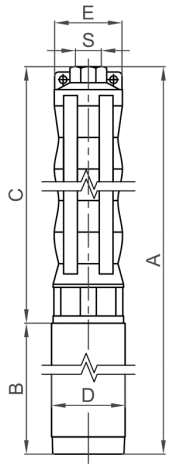
Controller

H = 428 mm
H1 = 390 mm
H2 = 270 mm
W1 = 280 mm
W2 = 250 mm
D = 6.0 mm
D1 = 180 mm



Pump Unit

A = 2,207 mm
B = 835 mm
C = 1,372 mm
D = 144 mm
E = 138 mm
S = 2.5 in



	Net weight
Controller	9.6 kg
Pump Unit	88 kg
Motor	60 kg
Pump End	28 kg

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

BERNT LORENTZ GmbH
Siebenstuecken 24, 24558 Henstedt-Ulzburg,
Germany, Tel +49 (0)4193 8806-700, www.lorentz.de

Sun. Water. Life.

Created by LORENTZ COMPASS 3.1.0.270
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.