

PSk2-100 C-SJ150-7-2

Solar Submersible Pump System for 10" wells

System Overview

Head max. 140 m
Flow rate max. 223 m³/h

Technical Data

Controller PSk2-100

- High efficiency solar pump controller
- 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. 90 kW
Input voltage max. 850 V
Optimum Vmp** > 575 V
Motor current max. 160 A
Efficiency max. 98 %
Ambient temp. -10...50 °C
Enclosure class IP54

Motor AC DRIVE SUB 8" 75kW

- Highly efficient 3-phase AC motor
- Frequency: 30...50 Hz
- Premium materials, stainless steel: AISI 304
- No electronics in the motor

Efficiency max. 84 %
Motor speed 1.690...2.850 rpm
Power factor 0,85
Insulation class F
Enclosure class IP68
Submersion max. 150 m

Pump End PE C-SJ150-7-2

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

Efficiency max. 81 %

Pump Unit PUK2-100 C-SJ150-7-2 (Motor, Pump End)

Borehole diameter min. 9,8 in
Water temperature max. 30 °C****

Standards



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

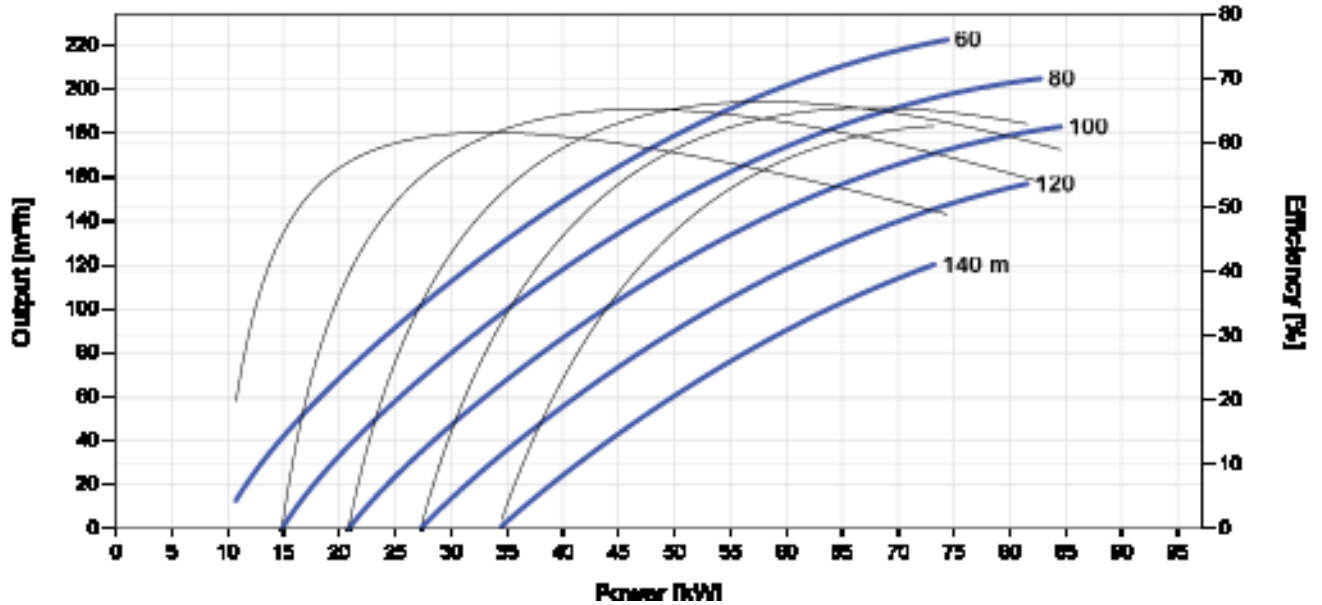


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Pump Chart

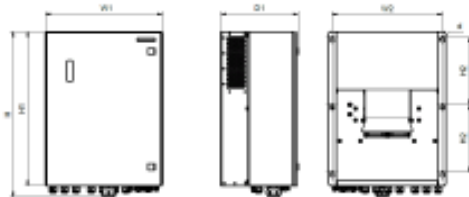
Vmp* > 575 V



Dimensions and Weights

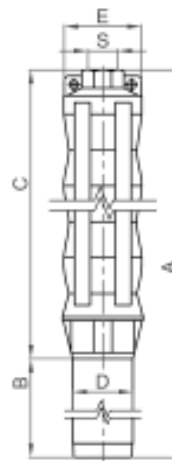
Controller

H = 859 mm
 H1 = 800 mm
 H2 = 350 mm
 W1 = 610 mm
 W2 = 576 mm
 D = 10 mm
 D1 = 402 mm



Pump Unit

A = 4.810 mm
 B = 1.645 mm
 C = 3.165 mm
 D = 196 mm
 S = 6 in
 E = 230 mm



	Net weight
Controller	60 kg
Pump Unit	287 kg
Motor	211 kg
Pump End	76 kg

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

