LORENTZ

PS600 Pool CS-17-1

Solar Surface Pump System

System Overview

Head	max. 12 m
Flow rate	max. 18 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 ™ App and PS Communicator.*

Technical Data

Controller PS600 Pool

- Controlling and monitoring
- Control inputs for dry running protection, remote control etc.
- Protected against reverse polarity, overload and overtemperature
- Integrated MPPT (Maximum Power Point Tracking)
- Battery operation: Integrated low voltage disconnect

Power	max. 0,64 kW
Input voltage	max. 150 V
Optimum Vmp**	> 68 V
Motor current	max. 13 A
Efficiency	max. 98 %
Ambient temp.	-30...50 °C
Enclosure class	IP65

Motor ECDRIVE 600 CS-17

- Maintenance-free brushless DC motor
- Premium materials, stainless steel: AL/AISI 304
- No electronics in the motor

Rated power	0,7 kW
Efficiency	max. 92 %
Motor speed	900...3 300 rpm
Insulation class	F
Enclosure class	IPX4

Pump End PE CS-17-1

- Non-return valve
- Premium materials: PP
- Optional: dry running protection
- Centrifugal pump

Pump Unit PU600 Pool CS-17-1 (Motor, Pump End)

Water temperature	max. 60 °C
Suction head / Positive inlet head	max. 3 m

Standards

CE   2006/42/EC, 2004/108/EC, 2006/95/EC

TÜVRheinland CERTIFIED
Type Approved Safety
Regular Production Surveillance
www.tuv.com
ID 2000000000

IEC/EN 61010-1:2010, IEC 62103:2003, IEC/EN 60034-1:2010,
IEC/EN 60335-2-41:2003+A1+A2,
IEC/EN 60335-1:2012, EN 62233:2008
IEC/EN 61000-6-4:2007+A1, IEC/EN 61000-6-2:2005

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.

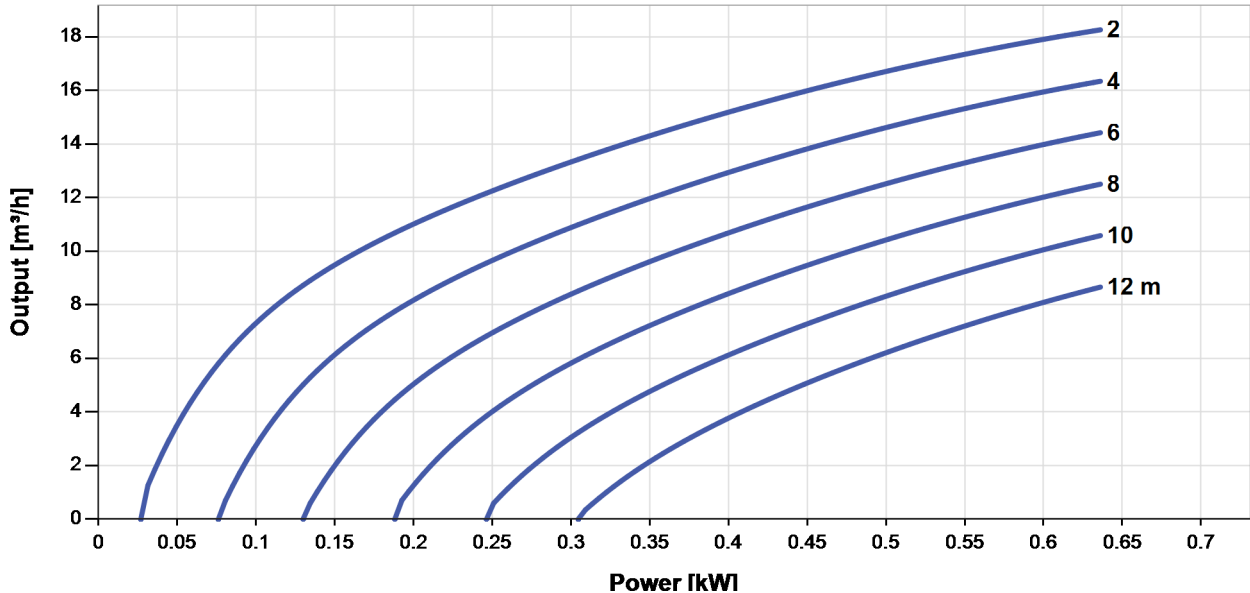**Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

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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.

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Pump Chart

Vmp* > 68 V

Chart: Output [m³/h] vs Power [kW], curves labelled 2, 4, 6, 8, 10, 12 m
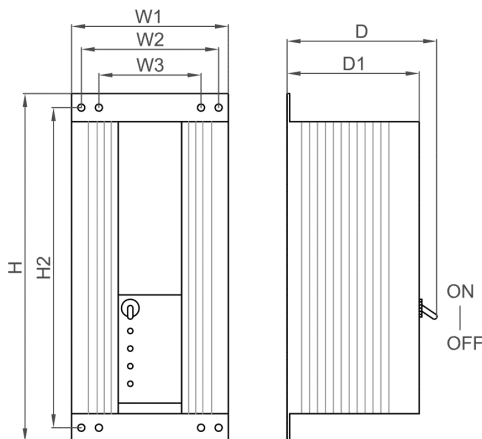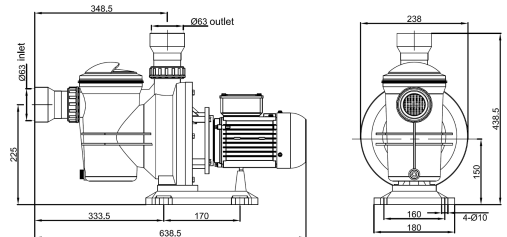
Dimensions and Weights

Controller

H = 396 mm
H2 = 364 mm
W1 = 178 mm
W2 = 156 mm
W3 = 116 mm
D = 165 mm
D1 = 150 mm

Pump Unit [mm]

	Net weight
Controller	4,1 kg
Pump Unit	6,9 kg
Motor	5,2 kg
Pump End	1,7 kg

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

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