

# PS15k CS-G150-12.5/4

## Solar Surface Pump System

### System Overview

Head	max. 12 m
Flow rate	max. 279 m <sup>3</sup> /h

### Technical Data

#### Controller PS15k

- Control inputs for dry running protection, remote control etc.
- Protected against reverse polarity, overload and overtemperature
- Integrated MPPT (Maximum Power Point Tracking)

Power	max. 14 kW
Input voltage	max. 800 V
Optimum Vmp*	> 575 V
Motor current	max. 20 A
Efficiency	max. 98 %
Ambient temp.	-30...50 °C
Enclosure class	IP41

#### Motor AC DRIVE CS-G 11kW/4p

- Highly efficient 3-phase AC motor
- Frequency: 25...52 Hz

Motor speed	740...1 540 rpm
Power factor	0.87
Insulation class	F
Enclosure class	IP55

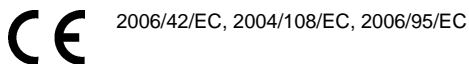
#### Pump End PE CS-G150-12.5/4

- Premium materials

#### Pump Unit PU CS-G150-12.5/4 (Motor, Pump End)

Water temperature	max. 90 °C
Suction head	max. 3 m

### Standards



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/m<sup>2</sup> solar irradiance, 25 °C cell temperature

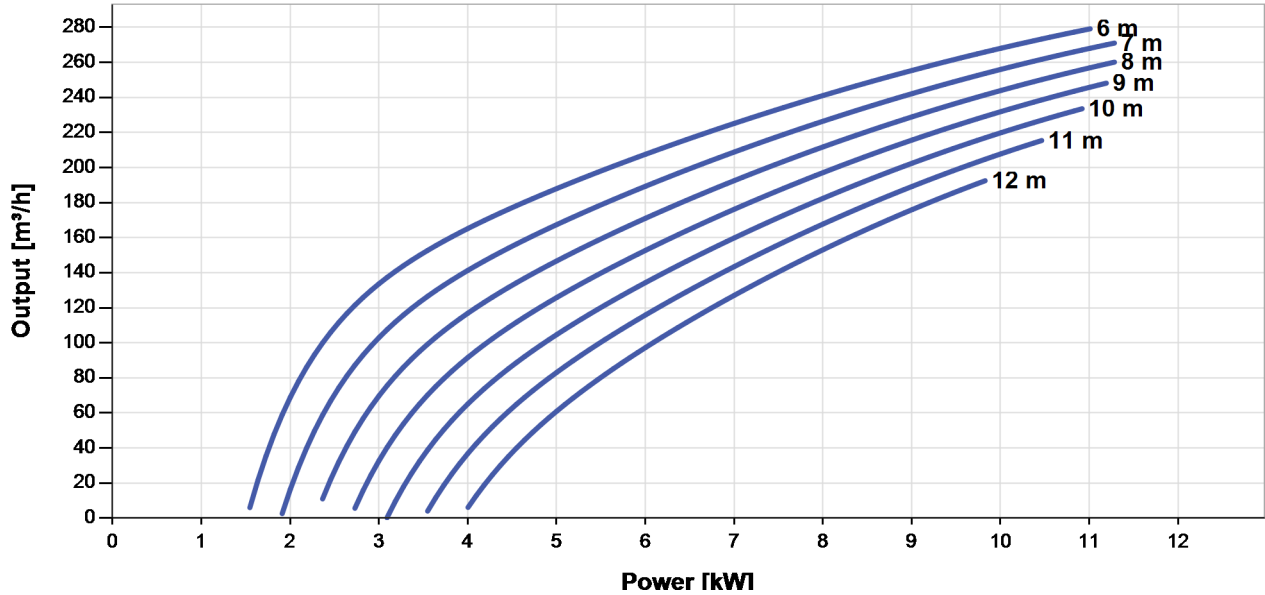


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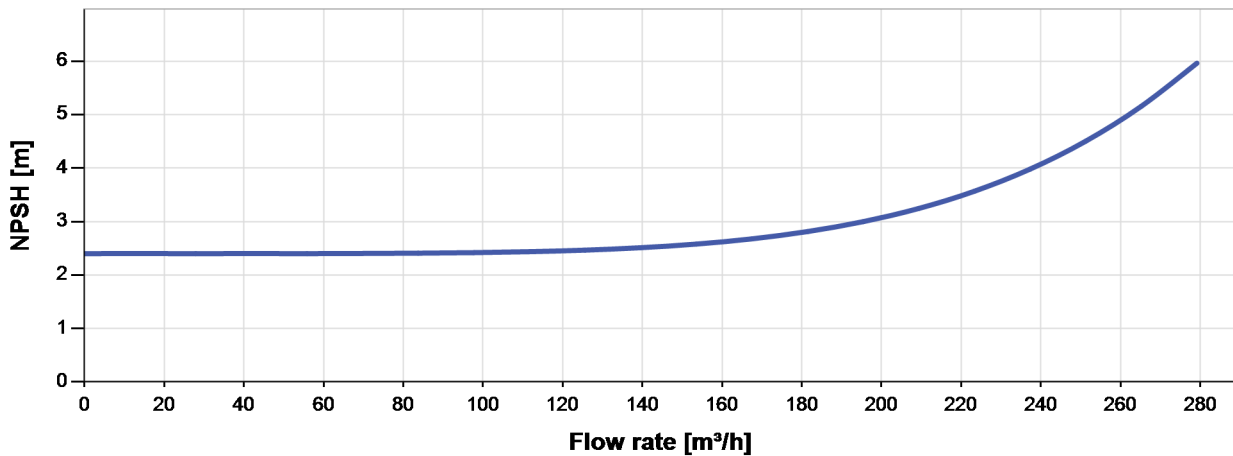
### Solar Surface Pump System

#### Pump Chart

Vmp\* > 575 V



#### NPSH



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



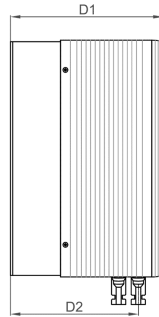
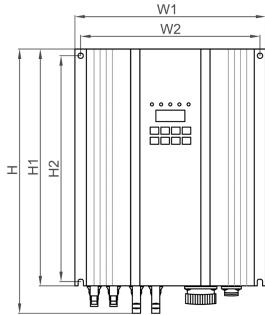
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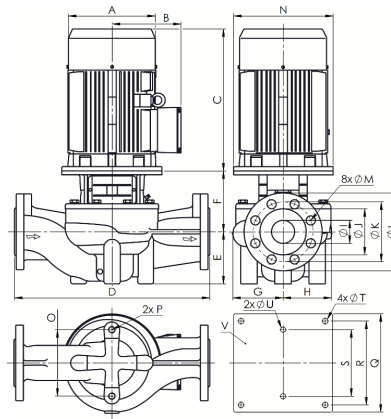
### Dimensions and Weights

#### Controller

H = 350 mm  
 H1 = 310 mm  
 H2 = 295 mm  
 W1 = 250 mm  
 W2 = 235 mm  
 D1 = 200 mm  
 D2 = 167 mm



#### Pump Unit [ng]



	Net weight
Controller	9.0 kg
Pump Unit	257 kg
Motor	107 kg
Pump End	150 kg

