

# PSk2-40 CS-G125-40/4

max. 40 m

max. 268 m3/h

Solar Surface Pump System

### **System Overview**

Head Flow rate

**Technical Data** 

#### Controller PSk2-40

- High efficiency solar pump controller

- Hybrid power (solar / grid / generator) support with LORENTZ
- SmartSolution
  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. 37 kW
Input voltage	max. 850 V
Optimum Vmp**	> 575 V
Motor current	max. 65 A
Efficiency	max. 98 %
Ambient temp.	-3050 °C
Enclosure class	IP54

#### Motor AC DRIVE CS-G 30kW/4p

Highly efficient 3-phase AC motor

<ul> <li>Frequency: 2550 Hz</li> </ul>	
Efficiency	max. 86 %
Motor speed	7401,480 rpm
Power factor	0.86
Insulation class	F
Enclosure class	IPX4

#### Pump End PE CS-G125-40/4

Premium materials

Centrifugal pump	
Efficiency	max. 76 %

#### Pump Unit PUk2-40 CS-G125-40/4 (Motor, Pump End)

-				
Water temperature		m	ax. 90 °C	****
Suction head	aco	c. to CON	IPASS siz	ing

#### 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 >90 °C, please consult your distributor

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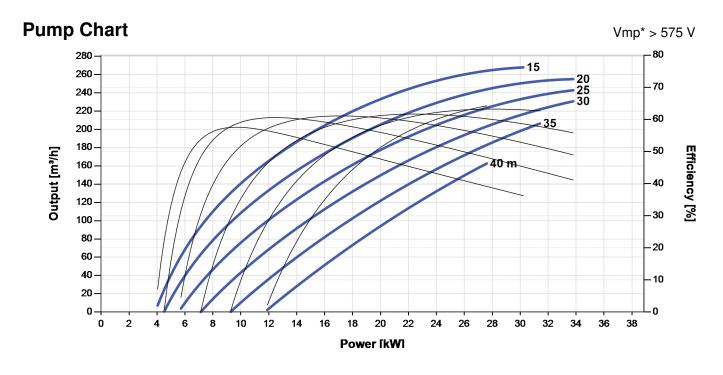
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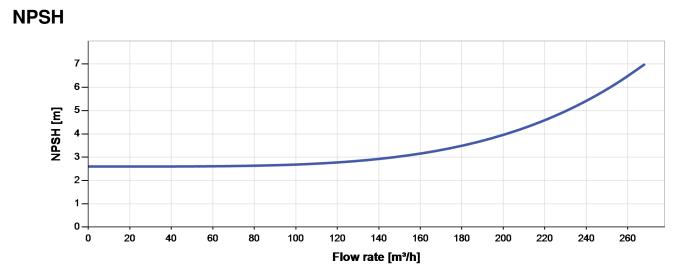
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The NPSH (Net Positive Suction Head) is NOT the operating suction head. To calculate the operating suction head please refer to the installation manual.

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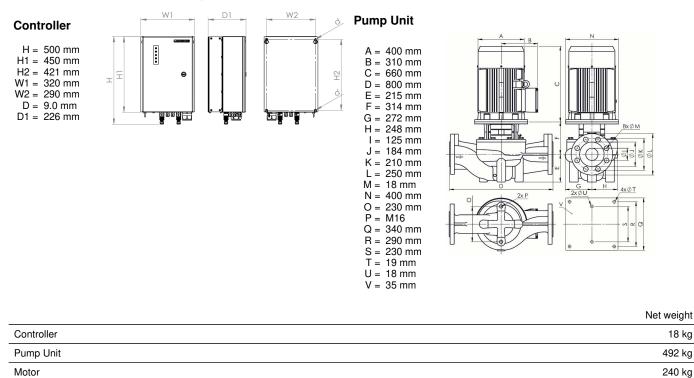
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### **Dimensions and Weights**



Pump End

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18 kg

492 kg

240 kg

252 kg

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