

PS150 BOOST-60

Solar Surface Pump System

System Overview

| | |
|-----------|----------------|
| Head | max. 150 m |
| Flow rate | max. 0.26 m³/h |

Technical Data

Controller PS150

- 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. 0.30 kW |
| Input voltage | max. 50 V |
| Optimum Vmp* | > 17 V |
| Motor current | max. 18 A |
| Efficiency | max. 98 % |
| Ambient temp. | -30...50 °C |
| Enclosure class | IP54 |

Motor ECDRIVE 150-BOOST

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

| | |
|------------------|-----------------|
| Rated power | 0.40 kW |
| Efficiency | max. 92 % |
| Motor speed | 280...1,750 rpm |
| Insulation class | F |
| Enclosure class | IPX4 |

Pump End PE BOOST-60

- Premium materials: brass
- Optional: dry running protection
- Centrifugal pump

Pump Unit PU BOOST-60 (Motor, Pump End)

| | |
|-------------------|------------|
| Water temperature | max. 80 °C |
| Suction head | max. 3 m |

Standards



Meets the requirements of:
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

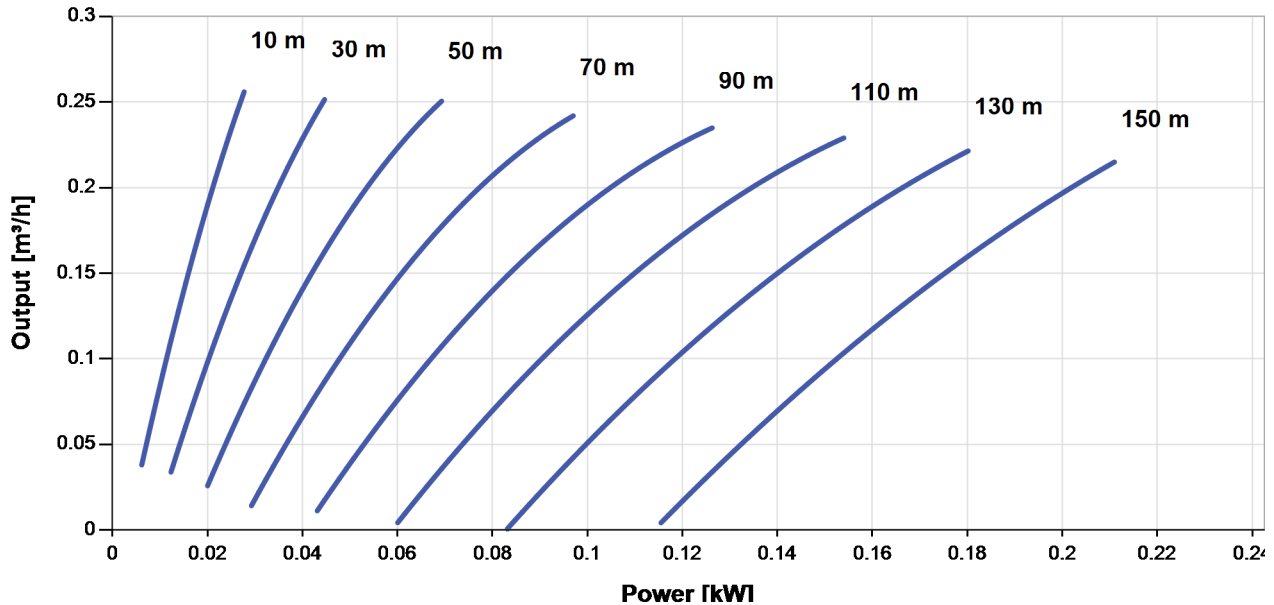


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Pump Chart

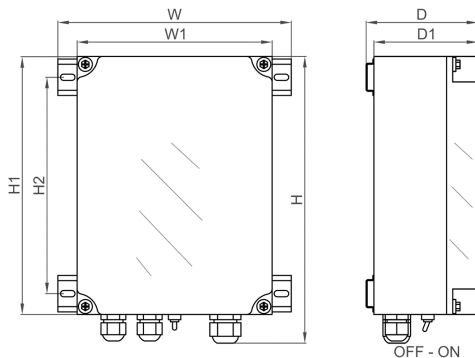
Vmp* > 17 V



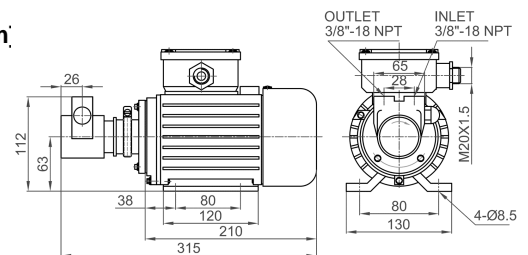
Dimensions and Weights

Controller

- H = 276 mm
- H1 = 248 mm
- H2 = 208 mm
- W = 225 mm
- W1 = 188 mm
- D = 108 mm
- D1 = 100 mm



Pump Unit [mm]



| | Net weight |
|------------|------------|
| Controller | 1.2 kg |
| Pump Unit | 7.0 kg |
| Motor | 5.0 kg |
| Pump End | 2.0 kg |

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

