



		DRAWING TITLE:	
	JUNE 2020		ELEVATED TANK
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3. Any discrepancy to be reported to the engineer promptly before proceeding.

International Organization for Migration (IOM) The UN Migration Agency

WASH

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	JUNE 2020		ELEVATED TANK
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E		DRAWING TITLE :	
	JUNE 2020		SOLAR LAYOUT
		DRAWING Nº:	
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# PS2-4000 C-SJ17-4

### Solar Submersible Pump System for 6" wells

#### **System Overview**

Head Flow rate max. 45 m max. 26 m³/h

### **Technical Data**

#### Controller PS2-4000

- 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)
- Integrated Sun Sensor

Power	max. 4,0 kW
Input voltage	max. 375 V
Optimum Vmp**	> 238 V
Motor current	max. 14 A
Efficiency	max. 98 %
Ambient temp.	-4050 °C
Enclosure class	IP68

#### Motor ECDRIVE 4000-C

- Maintenance-free brushless DC motor
- Water filled
- Premium materials, stainless steel: AISI 304/316

4,0 kW
max. 92 %
9003 300 rpm
F
IP68
max. 150 m

#### Pump End PE C-SJ17-4

- Non-return valve
- Premium materials, stainless steel: AISI 304
- Optional: dry running protection
- Centrifugal pump

#### Pump Unit PU4000 C-SJ17-4 (Motor, Pump End)

Borehole diameter Water temperature min. 6,0 in max. 50 °C

#### Standards



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

IEC/EN 61702:1995

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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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.



## PS2-4000 C-SJ17-4

Solar Submersible Pump System for 6" wells



### **Dimensions and Weights**



	Net weight
Controller	6,1 kg
Pump Unit	21 kg
Motor	10 kg
Pump End	11 kg

\*Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m<sup>2</sup> solar irradiance, 25 °C cell temperature

#### BERNT LORENTZ GmbH & Co. KG

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## Sun. Water. Life.

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## SOLAR STRUCTURE ELEVATION



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		DRAWING N <sup>o</sup> :	DETAILS
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