

Qty. Description

1 ALPHA SOLAR 25-145 180



Product No.: [98989297](#)

The new ALPHA SOLAR is designed to be integrated in all kinds of thermal solar systems with either variable (matched-flow) or constant flow rate.

High-efficiency ECM (Electronically Commutated Motor) pumps, such as ALPHA SOLAR, must not be speed-controlled by an external speed controller varying or pulsing the supply voltage.

The speed can be controlled by a low-voltage PWM (Pulse Width Modulation) signal from a solar controller to optimise the solar harvesting and temperature of the system. As a result, the power consumption of the pump will be reduced considerably.

If no PWM signal is available, ALPHA SOLAR can be set to constant speed, only switched on and off by the controller.

Features:

- Constant speed.
- PWM A profile. The PWM signal is a method for generating an analog signal using a digital source.
- Low EEI (Energy Efficiency Index).
- Maintenance-free.
- Low noise level.
- Very simple installation.

Liquid:

Pumped liquid: Water
 Liquid temperature range: 2 .. 110 °C
 Selected liquid temperature: 60 °C
 Density: 983.2 kg/m³

Technical:

TF class: 110
 Approvals on nameplate: CE,EAC

Materials:

Pump housing: Cast iron

Installation:

Maximum ambient temperature: 70 °C
 Maximum operating pressure: 10 bar
 Pipe connection: G 1 1/2
 Pressure rating: PN 10
 Port-to-port length: 180 mm

Electrical data:

Power input - P1: 2 .. 60 W
 Mains frequency: 50 / 60 Hz
 Rated voltage: 1 x 230 V



Company name:

Created by:

Phone:

Date:

04/04/2020

Qty.	Description
------	-------------

	Maximum current consumption: 0.04 .. 0.58 A
	Enclosure class (IEC 34-5): X4D
	Insulation class (IEC 85): F

Others:

Energy (EEI):	0.20
Net weight:	2.01 kg
Gross weight:	2.13 kg
Shipping volume:	0.004 m ³
Finnish LVI No.:	4616000
Country of origin:	DK
Custom tariff no.:	84137030

Description	Value
General information:	
Product name:	ALPHA SOLAR 25-145 180
Product No:	98989297
EAN number:	5712604776643
	5712604776643
Price:	401,00 EUR
Technical:	
Head max:	145 dm
TF class:	110
Approvals on nameplate:	CE,EAC
Materials:	
Pump housing:	Cast iron
Installation:	
Maximum ambient temperature:	70 °C
Maximum operating pressure:	10 bar
Pipe connection:	G 1 1/2
Pressure rating:	PN 10
Port-to-port length:	180 mm
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	2 .. 110 °C
Selected liquid temperature:	60 °C
Density:	983.2 kg/m ³
Electrical data:	
Power input - P1:	2 .. 60 W
Mains frequency:	50 / 60 Hz
Rated voltage:	1 x 230 V
Maximum current consumption:	0.04 .. 0.58 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Controls:	
Pos term box:	9H
Others:	
Energy (EEL):	0.20
Net weight:	2.01 kg
Gross weight:	2.13 kg
Shipping volume:	0.004 m ³
Finnish LVI No.:	4616000
Country of origin:	DK
Custom tariff no.:	84137030

