

Solar pumps, speed step switch (3-step)

HLP-A-Solar series, H product group



Series HLP-A-Solar must only be used in the European Union in primary circuits of solar thermal systems.

Technical data

Rate of flow: up to 7 m³ / h
 Pressure head: up to 7 m
 Media temperature: -10 °C to +110 °C
 Installation length: 180 mm
 Threaded connection: 1½" und 2"
 Protection class: IP 42
 Insulation class: H
 Nominal pressure: PN 10
 Control: 3-step switch with manual speed selection

Product features

- manual start-up feature
- smooth running
- convenient operation
- space-saving axially integrated terminal box
- compact design

Use

The HLP-A-Solar circulation pump from Halm is a wet rotor circulator and specially designed for primary circuits of solar systems.

Materials

Component	Material	Material no.
Pump housing	Grey-cast iron	0.6020
Impeller	Polyamide (PA - GF 35)	
Shaft	Ceramic	
Bearing	Ceramic	
Bearing plate	Stainless steel	1.4301
Can	Stainless steel	1.4301

Flow media

- heating water
- pure, thin, non-aggressive and non-explosive, mineral oil-free media without solid particles or fibres
- media with a max. viscosity of 1,08×10⁻⁴ ft²/s
- operating data must be checked above 20 % glycol

Temperature range

Ambient temperature: 0 °C to +40 °C
 Temperature class: TF 110
 Media temperature: -10 °C to +110 °C

Ambient temperature

To avoid the build-up of condensation, the ambient temperature must always be lower than the media temperature.

Ambient temp.	Media temp. min.	Media temp. max.
0	2	110
10	10	110
20	20	110
30	30	110
35	35	110
40	40	110

Motor protection

External motor protection is not required.

Speed switching

Three speed, with manual selector. The respective speed is set via a 3-step rotary switch integrated in the terminal board.

Minimum inflow pressure

Please determine the minimum inflow pressure for corresponding temperature from the following table.

Media temperature	< 85 °C	90 °C	110 °C
Minimum inflow pressure	0,05 bar	0,3 bar	1,10 bar

Sound pressure level

The sound pressure level is < 45 dB (A)

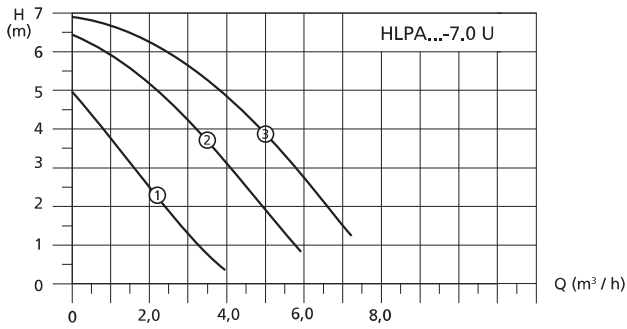
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HLPA-Solar series, H product group



Technical data

Type	Connection pipe	Threaded connection	Installation length (mm)	Voltage (V)	P1 (W)	In (A)	Weight (kg)	Product no.
HLPA-Solar 25-7.0 U 180	1"	1½"	180	230	95 ...190	0.42 ... 0.85	4.5	0313-63207
HLPA-Solar 30-7.0 U 180	1¼"	2"	180	230	95 ...190	0.42 ... 0.85	4.5	0314-63207



Dimensions

Type	L1	L2	L3	L4
HLPA-Solar	180	153	165	199

Dimension illustration

