



The EEI of ALPHA1 meets and exceeds the requirements of the EuP 2015 legislation.

ALPHA1 AFFORDABLE ENERGY EFFICIENCY

The ALPHA1 is a cost-efficient yet high-performing circulator. The reliable pump complies with the strict EuP requirements and is the ideal choice in applications where the well-known UPS has been used to fulfil basic circulator needs.

The ALPHA1:

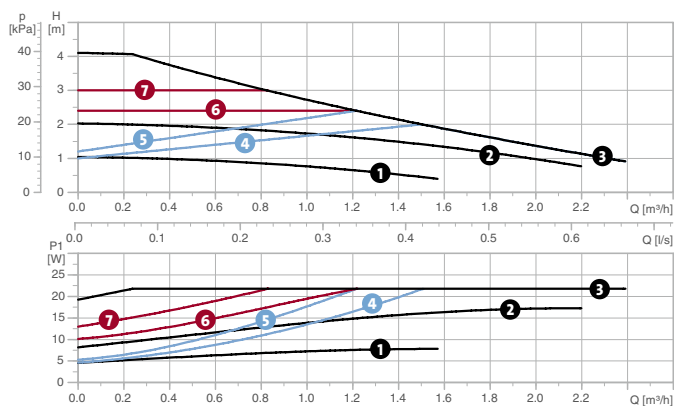
- is based on the field proven ALPHA2 with more than 3 million units sold
- cuts energy consumption by up to 80% compared to traditional pumps
- uses as little as 81 kWh per year (based on 150 m² standard house with 6840 heating hours per year)
- is adaptable to any type of heating system – one- or two-string – with radiators or under floor heating.

TECHNICAL DATA

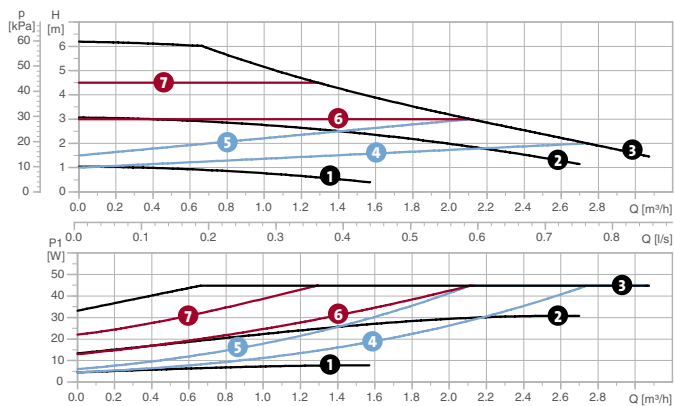
| | |
|--|---------------------------|
| Supply voltage: | 1 x 230 V – 50/60 Hz |
| Flow rate, Q_{max}: | 2.4 m ³ /h |
| Liquid temperature: | +2° C to +110° C (TF 110) |
| System pressure, P_{max}: | 1.0 MPa/10 bar |
| Power Range: | 5-45 W |
| Ambient temperature: | 0° C to +40° C |
| EEI: | ≤ 0.23 |
| Enclosure class: | IP 42 |
| Insulation class: | F |

PERFORMANCE CURVES

ALPHA1 XX-40



ALPHA1 XX-60



1. Constant speed curve 1 2. Constant speed curve 2 3. Constant speed curve 3 4. Proportional pressure curve low 5. Proportional pressure curve high 6. Constant differential pressure curve low 7. Constant differential pressure curve high

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think
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ALPHA1 KEY FEATURES

Everything under control

- 7-segment power display provides an easy overview of all that is going on in the pump

Proportional pressure mode

- If the proportional pressure mode is selected, the differential pressure varies proportionally with the flow, i.e. higher flow means higher differential pressure
- Proportional pressure is the preferred choice for one-string systems with high flow variation
- Proportional pressure curve (high and low)

Constant speed mode

- Three constant speed modes for constant flow applications



Constant pressure mode

- The pump maintains constant pressure regardless of the flow
- The preferred operation mode for under floor heating and 2 string systems with low flow variation
- Constant pressure curves (low and high)

Easy operation

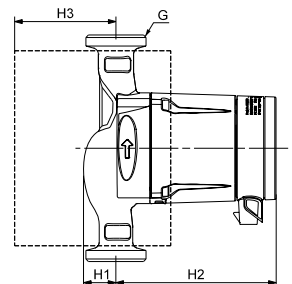
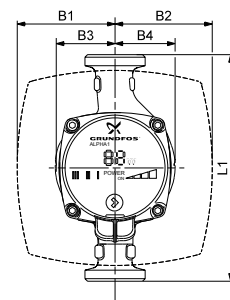
- Intuitive one-touch operation makes control mode selection simple

Easy connection

- The improved ALPHA plug makes electrical installation easier than ever before

TYPES AND DIMENSIONS

| Pump type | ≤EEI | Dimensions (mm) | | | | | | | | | | Insulation Shells (set) | Product number |
|---------------------------------|------|-----------------|----|----|----|----|----|-----|----|----|--------|-------------------------|----------------|
| | | L1 | B1 | B2 | B3 | B4 | H1 | H2 | H3 | G | | | |
| ALPHA1 15-40 130 1x230V 50Hz 6H | 0.23 | 130 | 78 | 78 | 46 | 49 | 27 | 129 | 58 | 1 | 505821 | 98475900 | |
| ALPHA1 15-50 130 1x230V 50Hz 6H | 0.23 | 130 | 78 | 78 | 46 | 49 | 27 | 129 | 58 | 1 | 505821 | 98475904 | |
| ALPHA1 15-60 130 1x230V 50Hz 6H | 0.23 | 130 | 78 | 78 | 46 | 49 | 27 | 129 | 58 | 1 | 505821 | 98475906 | |
| ALPHA1 20-40 130 1x230V 50Hz 6H | 0.23 | 130 | 78 | 78 | 46 | 49 | 27 | 129 | 58 | 1¼ | 505821 | 98475910 | |
| ALPHA1 20-50 130 1x230V 50Hz 6H | 0.23 | 130 | 78 | 78 | 46 | 49 | 28 | 129 | 58 | 1¼ | 505821 | 98475922 | |
| ALPHA1 20-60 130 1x230V 50Hz 6H | 0.23 | 130 | 78 | 78 | 46 | 49 | 27 | 129 | 58 | 1¼ | 505821 | 98475927 | |
| ALPHA1 25-40 180 1x230V 50Hz 6H | 0.23 | 180 | 78 | 78 | 46 | 48 | 26 | 127 | 81 | 1½ | 505821 | 98475930 | |
| ALPHA1 25-40 130 1x230V 50Hz 6H | 0.23 | 130 | 78 | 78 | 46 | 49 | 27 | 129 | 79 | 1½ | 505821 | 98475932 | |
| ALPHA1 25-50 130 1x230V 50Hz 6H | 0.23 | 130 | 77 | 78 | 46 | 49 | 27 | 129 | 79 | 1½ | 505821 | 98475933 | |
| ALPHA1 25-50 180 1x230V 50Hz 6H | 0.23 | 180 | 78 | 77 | 47 | 48 | 26 | 127 | 81 | 1½ | 505821 | 98475934 | |
| ALPHA1 25-60 130 1x230V 50Hz 6H | 0.23 | 130 | 77 | 78 | 46 | 49 | 27 | 129 | 79 | 1½ | 505821 | 98475935 | |
| ALPHA1 25-60 180 1x230V 50Hz 6H | 0.23 | 180 | 78 | 77 | 47 | 48 | 26 | 127 | 81 | 1½ | 505821 | 98475936 | |
| ALPHA1 32-40 180 1x230V 50Hz 6H | 0.23 | 180 | 78 | 78 | 47 | 48 | 26 | 127 | 81 | 2 | 505821 | 98475938 | |
| ALPHA1 32-50 180 1x230V 50Hz 6H | 0.23 | 180 | 78 | 77 | 47 | 48 | 26 | 127 | 81 | 2 | 505821 | 98475939 | |
| ALPHA1 32-60 180 1x230V 50Hz 6H | 0.23 | 180 | 78 | 77 | 47 | 48 | 26 | 127 | 81 | 2 | 505821 | 98475940 | |



ALPHA1 is also available in stainless steel and airvent versions.

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