



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:

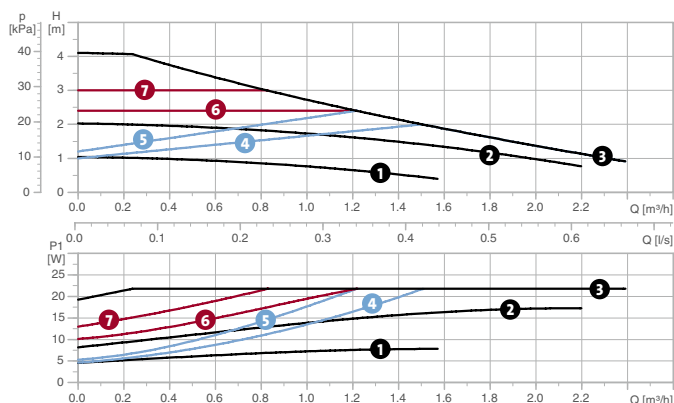
- is based on the field proven ALPHA2 with more than 3 million units sold
- cuts energy consumption by up to 80% compared to traditional pumps
- uses as little as 81 kWh per year (based on 150 m<sup>2</sup> standard house with 6840 heating hours per year)
- is adaptable to any type of heating system – one- or two-string – with radiators or under floor heating.

## TECHNICAL DATA

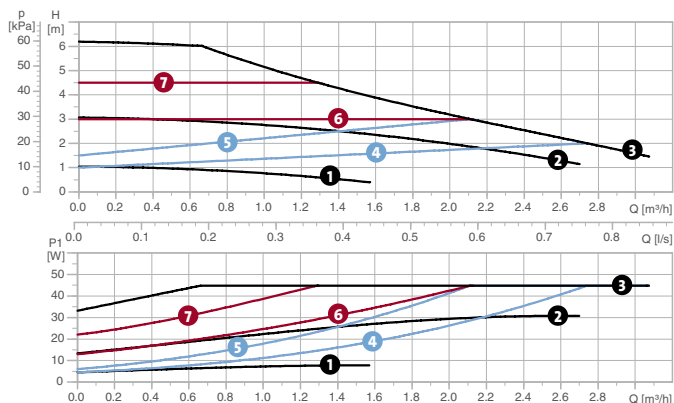
<b>Supply voltage:</b>	1 x 230 V – 50/60 Hz
<b>Flow rate, Q<sub>max</sub>:</b>	2.4 m <sup>3</sup> /h
<b>Liquid temperature:</b>	+2° C to +110° C (TF 110)
<b>System pressure, P<sub>max</sub>:</b>	1.0 MPa/10 bar
<b>Power Range:</b>	5-45 W
<b>Ambient temperature:</b>	0° C to +40° C
<b>EEI:</b>	≤ 0.23
<b>Enclosure class:</b>	IP 42
<b>Insulation class:</b>	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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# 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

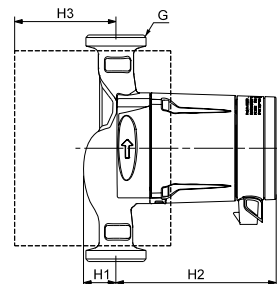
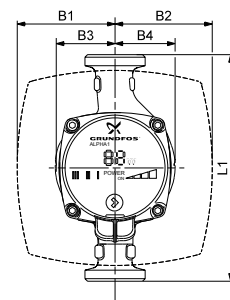
- Intuitive one-touch operation makes control mode selection simple

## 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	1½	505821	98475910	
ALPHA1 20-50 130 1x230V 50Hz 6H	0.23	130	78	78	46	49	28	129	58	1½	505821	98475922	
ALPHA1 20-60 130 1x230V 50Hz 6H	0.23	130	78	78	46	49	27	129	58	1½	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.



Your Dealer:

Chainaris Phuket Engineering Co., Ltd.

63/13 Moo.2, T.Vichit, A.Muang Phuket 83000 Tel. 076-513100-3 Fax. 076-513105 www.chainaris.co.th

GRUNDFOS Holding A/S  
Poul Due Jensens Vej 7  
DK-8850 Bjerringbro  
Tel: +45 87 50 14 00  
www.grundfos.com

