



The EEI of ALPHA2 L meets and exceeds the requirements of the EuP 2015 legislation.

ALPHA2 L AFFORDABLE ENERGY EFFICIENCY

The ALPHA2 L 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 ALPHA2 L:

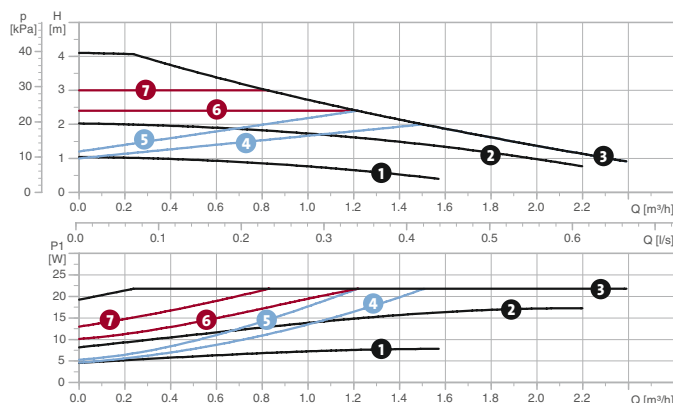
- is based on the field proven ALPHA2 with more than 3 million units sold
- cuts energy consumption by up to 80% compared to traditional pumps
- uses as little as 81 kWh per year (based on 150 m² standard house with 6840 heating hours per year)
- is adaptable to any type of heating system – one- or two-string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

TECHNICAL DATA

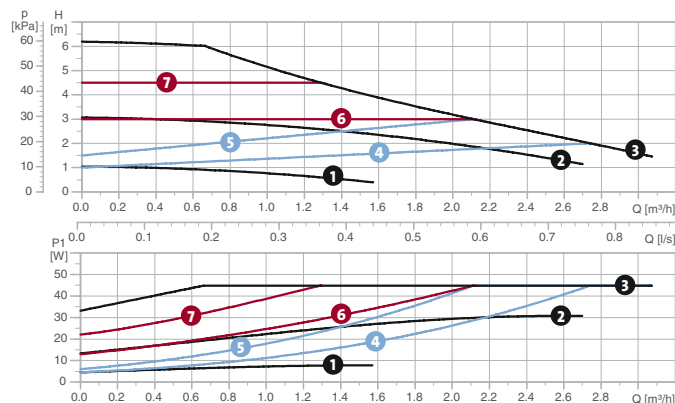
Supply voltage:	1 x 230 V – 50/60 Hz
Flow rate, Q_{max}:	2.4 m ³ /h
Liquid temperature:	+2° C to +110° C (TF 110)
System pressure, P_{max}:	1.0 MPa/10 bar
Power Range:	5-45 W
Ambient temperature:	0° C to +40° C
EEI:	≤ 0.23
Enclosure class:	IP 42
Insulation class:	F

PERFORMANCE CURVES

ALPHA2 L XX-40



ALPHA2 L 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

be
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GRUNDFOS

ALPHA2 L IN MORE DETAILS

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

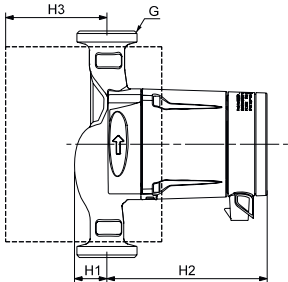
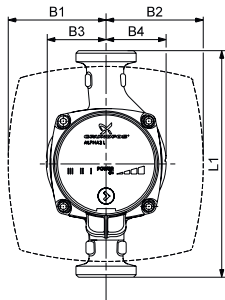
Easy connection

- 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			
ALPHA2 L 15-40 130 1x230V 50Hz 6H	0.23	130	78	78	46	49	27	129	58	1	505821	95047560	
ALPHA2 L 15-50 130 1x230V 50Hz 6H	0.23	130	78	78	46	49	27	129	58	1	505821	98288721	
ALPHA2 L 15-60 130 1x230V 50Hz 6H	0.23	130	78	78	46	49	27	129	58	1	505821	96984037	
ALPHA2 L 20-40 130 1x230V 50Hz 6H	0.23	130	78	78	46	49	27	129	58	1½	505821	98288722	
ALPHA2 L 20-50 130 1x230V 50Hz 6H	0.23	130	78	78	46	49	28	129	58	1½	505821	98288723	
ALPHA2 L 20-60 130 1x230V 50Hz 6H	0.23	130	78	78	46	49	27	129	58	1½	505821	98288724	
ALPHA2 L 25-40 180 1x230V 50Hz 6H	0.23	180	78	78	46	48	26	127	81	1½	505821	95047562	
ALPHA2 L 25-40 130 1x230V 50Hz 6H	0.23	130	78	78	46	49	27	129	79	1½	505821	95047561	
ALPHA2 L 25-50 130 1x230V 50Hz 6H	0.23	130	77	78	46	49	27	129	79	1½	505821	98288726	
ALPHA2 L 25-50 180 1x230V 50Hz 6H	0.23	180	78	77	47	48	26	127	81	1½	505821	98124072	
ALPHA2 L 25-60 130 1x230V 50Hz 6H	0.23	130	77	78	46	49	27	129	79	1½	505821	95047563	
ALPHA2 L 25-60 180 1x230V 50Hz 6H	0.23	180	78	77	47	48	26	127	81	1½	505821	95047564	
ALPHA2 L 32-40 180 1x230V 50Hz 6H	0.23	180	78	78	47	48	26	127	81	2	505821	95047565	
ALPHA2 L 32-50 180 1x230V 50Hz 6H	0.23	180	78	77	47	48	26	127	81	2	505821	98288729	
ALPHA2 L 32-60 180 1x230V 50Hz 6H	0.23	180	78	77	47	48	26	127	81	2	505821	95047566	



ALPHA2 L is also available in stainless steel and airvent versions.