

ALPHA1

AFFORDABLE ENERGY EFFICIENCY

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

- based on the field proven ALPHA2 which has sold more than 3 million units
- cuts energy consumption by up to 80% compared to traditional circulator pumps
- adaptable to any type of heating system – radiators or under floor heating



KEY FEATURES

Everything under control

- 9-segment LED 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 two-string systems with high flow variation
- Proportional pressure curve (high and low)

Constant speed mode

- Three constant speed modes for constant flow applications

Easy Replacement or Upgrade

- Matched port-to-port length with Grundfos UPS makes swap-out easy. No spacers or new unions required.

Power Usage Display

- Check out how little power you're using right now

Constant pressure mode

- The pump maintains constant pressure regardless of the flow
- The preferred operation mode for under floor heating and one-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 ALPHA plug makes electrical installation easier than ever before



ALPHA1 20-60 N

Grundfos Part No: 99452182
Reece Part No: 1539586

TECHNICAL DATA

Supply voltage:	1 x 230 V – 50/60 Hz
Flow rate, Q_{max}:	3.4 m ³ /h
Head Max	6 m
Liquid temperature:	+2° C to +110° C (TF 110)
System pressure, P_{max}:	1.0 MPa/10 bar
Power Min Speed:	3 W
Power Max Speed:	34 W
Ambient temperature:	0° C to +40° C
EEl:	≤ 0.20
Enclosure class:	IP X4D
Insulation class:	F

ALPHA1 25-60 N

Grundfos Part No: 99199593
Reece Part No: 1539587

TECHNICAL DATA

Supply voltage:	1 x 230 V – 50/60 Hz
Flow rate, Q_{max}:	3.4 m ³ /h
Head Max	6 m
Liquid temperature:	+2° C to +110° C (TF 110)
System pressure, P_{max}:	1.0 MPa/10 bar
Power Min Speed:	3 W
Power Max Speed:	34 W
Ambient temperature:	0° C to +40° C
EEl:	≤ 0.20
Enclosure class:	IP X4D
Insulation class:	F

ALPHA1 25-80 N

Grundfos Part No: 99199594
Reece Part No: 1539588

TECHNICAL DATA

Supply voltage:	1 x 230 V – 50/60 Hz
Flow rate, Q_{max}:	3.9 m ³ /h
Head Max	8 m
Liquid temperature:	+2° C to +110° C (TF 110)
System pressure, P_{max}:	1.0 MPa/10 bar
Power Min Speed:	3 W
Power Max Speed:	50 W
Ambient temperature:	0° C to +40° C
EEl:	≤ 0.20
Enclosure class:	IP X4D
Insulation class:	F

DIMENSIONS

Model/Size	Dimensions (mm)									Weights [kg]	
	L1	B1	B2	B3	B4	H1	H2	H3	G	Net	Gross
ALPHA1 20-60 N	150	54	54	44	44	36	104	47	G1¼	2.0	2.1
ALPHA1 25-60 N	180	54	54	44	44	37	104	47	G1½	2.1	2.3
ALPHA1 25-80 N	180	54	54	44	44	37	104	47	G1½	2.1	2.3

