

Count	Description
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1	ALPHA1 15-55FR
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Product photo could vary from the actual product

Product No.: [99287259](#)

The Grundfos ALPHA1 is a high-efficiency, variable speed circulator fitted with electronically commutated motor. Designed for circulating liquids in heating systems.

It features a constant pressure control mode with three settings. The intuitive one-button operation and LED display makes the selection of the settings easy. The large LED display shows the current energy consumption in Watts and estimated flow in gallons per minute.

ALPHA1 materials and design are resistant to blockage from magnetite found in hydronic systems.

The robust startup enables ALPHA1 to continuously attempt to restart – indefinitely – in blocked rotor conditions.

ALPHA1 is complete with an integrated check-valve, and nut captures for flanges.

For power connection two options are available with either line cord or terminal box for conduit connections.

Liquid:

Pumped liquid:	Water
Liquid temperature range:	35.6 .. 230 °F
Selected liquid temperature:	140 °F
Density:	61.35 lb/ft ³

Technical:

TF class:	110
Approvals on nameplate:	ETL, FCC

Materials:

Pump housing:	Cast iron EN 1561 EN-GJL-150
Impeller:	Composite

Installation:

Range of ambient temperature:	32 .. 104 °F
Maximum operating pressure:	145.04 psi
Type of connection:	GF
Pipe connection:	1 1/2
Pressure stage:	PN 10
Port-to-port length:	6 1/2 in

Electrical data:

Power input - P1:	5 .. 45 W
Main frequency:	60 Hz
Rated voltage:	1 x 115 V
Maximum current consumption:	0.1 .. 0.65 A
Enclosure class (IEC 34-5):	IP42
Insulation class (IEC 85):	F

Others:

Net weight:	6.32 lb
Gross weight:	6.35 lb
Shipping volume:	0.28 ft ³
Country of origin:	US



Company name:

Created by:

Phone:

Date:

3/24/2022

Count	Description
	Custom tariff no.: 8413.70.2005

Description	Value
General information:	
Product name:	ALPHA1 15-55FR
Product No.:	99287259
EAN:	5713826610524
Technical:	
Head max:	18.05 ft
TF class:	110
Approvals on nameplate:	ETL, FCC
Materials:	
Pump housing:	Cast iron
Pump housing:	EN 1561 EN-GJL-150
Impeller:	Composite
Installation:	
Range of ambient temperature:	32 .. 104 °F
Maximum operating pressure:	145.04 psi
Type of connection:	GF
Pipe connection:	1 1/2
Pressure stage:	PN 10
Port-to-port length:	6 1/2 in
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	35.6 .. 230 °F
Selected liquid temperature:	140 °F
Density:	61.35 lb/ft³
Electrical data:	
Power input - P1:	5 .. 45 W
Main frequency:	60 Hz
Rated voltage:	1 x 115 V
Maximum current consumption:	0.1 .. 0.65 A
Enclosure class (IEC 34-5):	IP42
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Thermal protec:	ELEC
Controls:	
Pos term box:	6H
Others:	
Net weight:	6.32 lb
Gross weight:	6.35 lb
Shipping volume:	0.28 ft³
Sales region:	USA
Country of origin:	US
Custom tariff no.:	8413.70.2005

