

PROJECT: _____	UNIT TAG: _____	QUANTITY: _____
REPRESENTATIVE: _____	TYPE OF SERVICE: _____	DATE: _____
ENGINEER: _____	SUBMITTED BY: _____	DATE: _____
CONTRACTOR: _____	APPROVED BY: _____	DATE: _____
	ORDER NO.: _____	DATE: _____

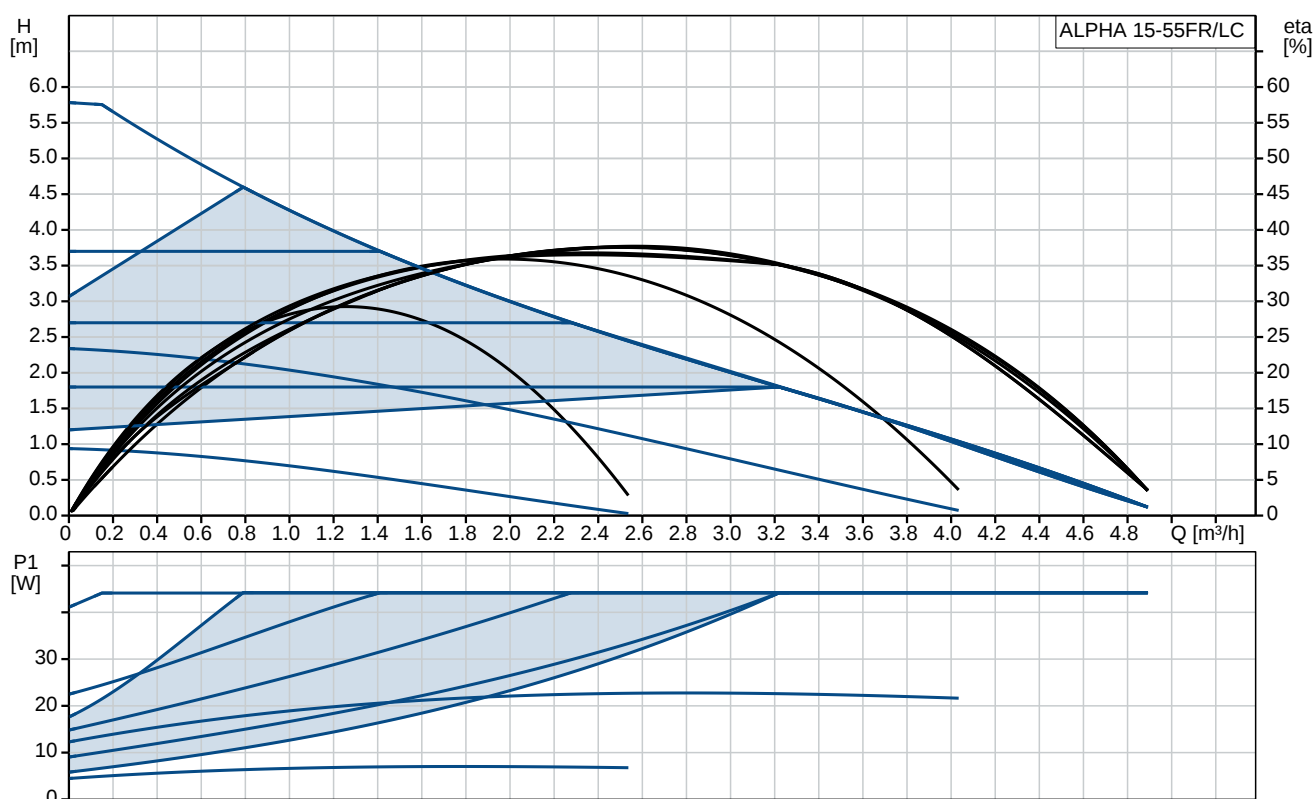
ALPHA 15-55FR/LC

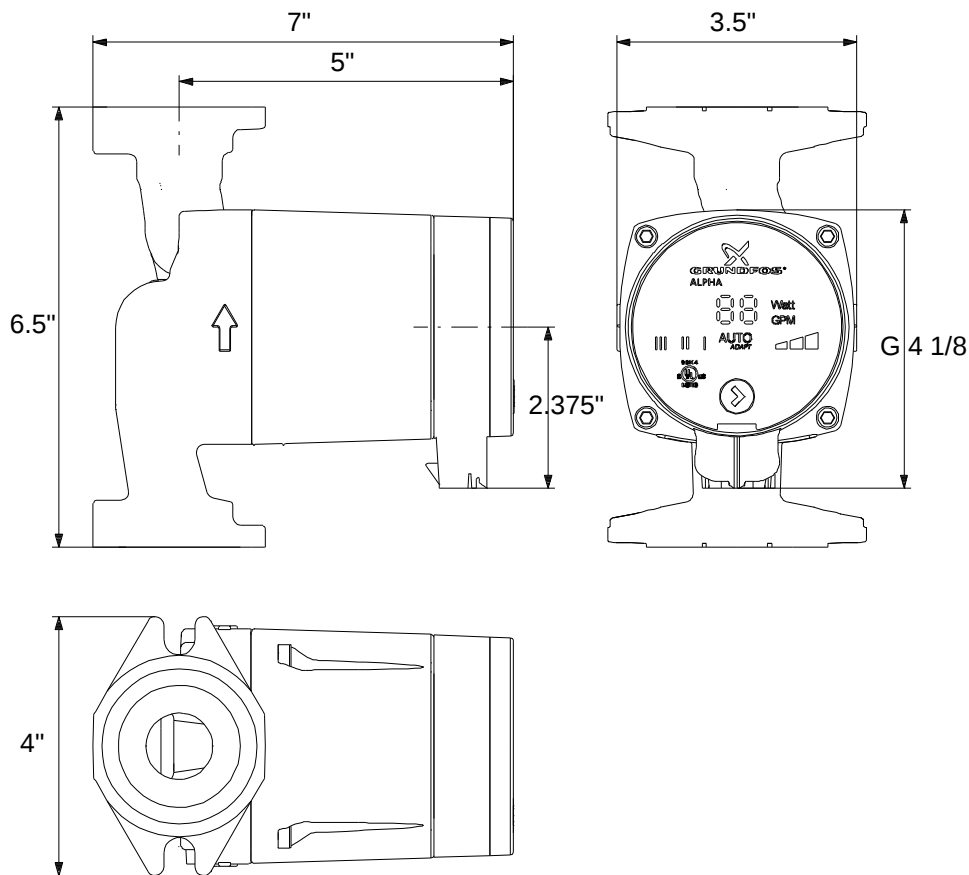
Electronically controlled circulator pumps for domestic building



Note! Product picture may differ from actual product

Conditions of Service	Pump Data	Motor Data
Flow: _____	Maximum operating pressure: 10 bar	P1 max: 5 .. 45 W
Head: _____	Liquid temperature range: 2 .. 110 °C	Rated voltage: 115 V
Efficiency: _____	Maximum ambient temperature: 40 °C	Mains frequency: 60 Hz
Liquid: Water	Approvals: ETL, FCC	Enclosure class: IP42
Temperature: 60 °C	Pipe connection: G 1 1/2	Insulation class: F
NPSH required: m	Product number: On request	Motor protection: NONE
Viscosity: _____		Thermal protection: ELEC
Specific Gravity: 0.985		





Materials:

Pump housing: Cast iron
DIN W.-Nr. GG15
ASTM 30 B

Impeller: Composite, PES

Tender Text



Note! Product picture may differ from actual product

Product No.: On request

ALPHA 15-55FR/LC

GRUNDFOS ALPHA

The next generation of energy efficient circulators.

ALPHA is the latest and most innovative member of the Grundfos family of high-quality circulators. By incorporating a permanent magnet motor design, power consumption is now reduced by 50%. ALPHA adapts to the seasonal demands of your system without sacrificing comfort.

With ALPHA, you can stop worrying about complicated pump settings. Simply install the pump and leave it in the factory setting, AUTOADAPT™. ALPHA will automatically analyze the heating system, find the optimum setting and continue to adjust its operation to changes in demand. The result is optimum comfort and minimum energy consumption.

AUTOADAPT

The factory setting, AUTOADAPT, analyses the heating system and automatically adjusts the pump setting to meet changes in heating demand.

Ensuring lowest possible energy consumption, while maintaining maximum comfort levels.

Compact design

The innovative design makes ALPHA the most compact Grundfos circulator available. With the electronics integrated into the motor housing and

standard 2-Bolt flange connection, confined spaces and challenging applications are now possible.

Two options for power connections

Option 1: 6-foot line cord with three prong plug

Option 2: Conduit terminal box with push pin wire connection

One-touch operation

Intuitive one-touch operation for selecting seven different hydraulic settings.

3 Fixed Speeds

3 Constant Pressure settings

AUTOADAPT

LED Display

The easy-to-read LED display indicating power (Watts) consumption and flow (GPM) estimation.

Liquid:

Pumped liquid: Water

Liquid temperature range: 2 .. 110 °C

Liquid temperature during operation: 60 °C

Density: 983.2 kg/m³

Technical:

TF class: 110
Approvals on nameplate: ETL, FCC

Materials:

Pump housing: Cast iron
DIN W.-Nr. GG15
ASTM 30 B
Impeller: Composite, PES

Installation:

Range of ambient temperature: 0 .. 40 °C
Maximum operating pressure: 10 bar
Pipe connection: G 1 1/2
Pressure rating: PN 10
Port-to-port length: 165 mm

Electrical data:

Power input - P1: 5 .. 45 W
Mains 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

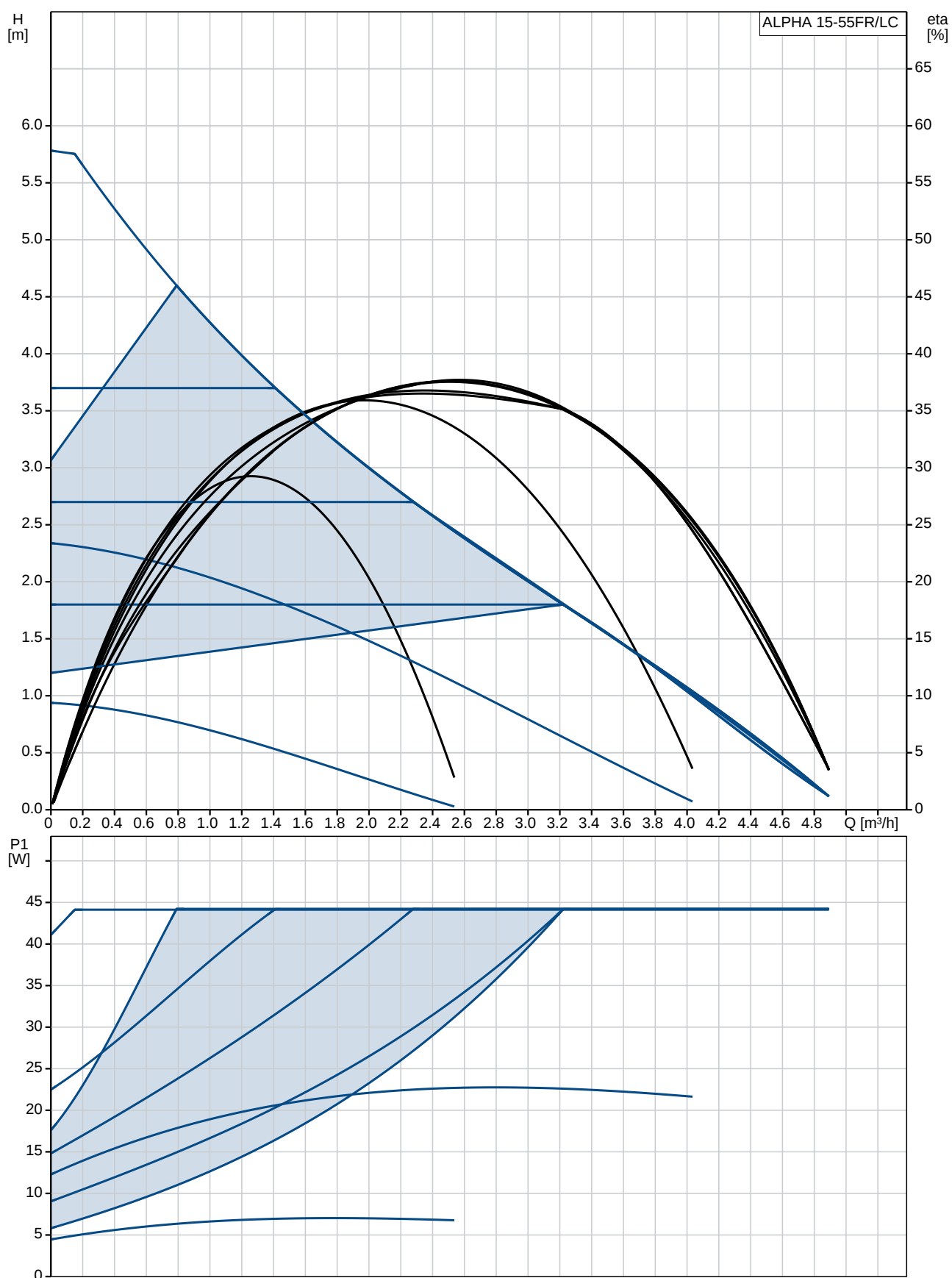
Others:

Net weight: 2.7 kg
Gross weight: 3.3 kg
Shipping volume: 2.48 m³

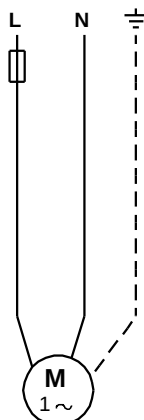
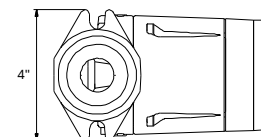
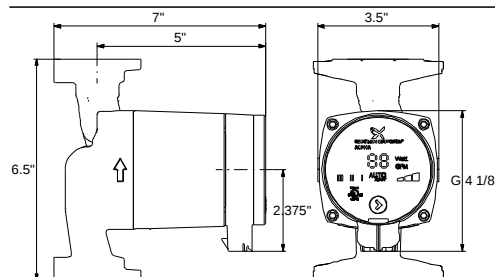
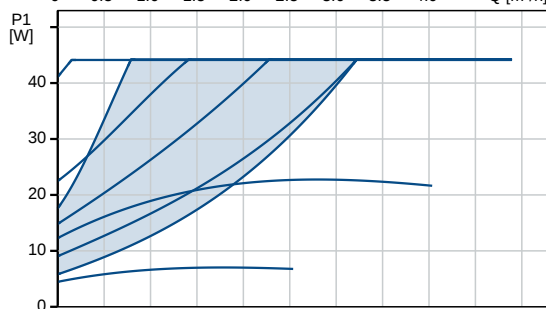
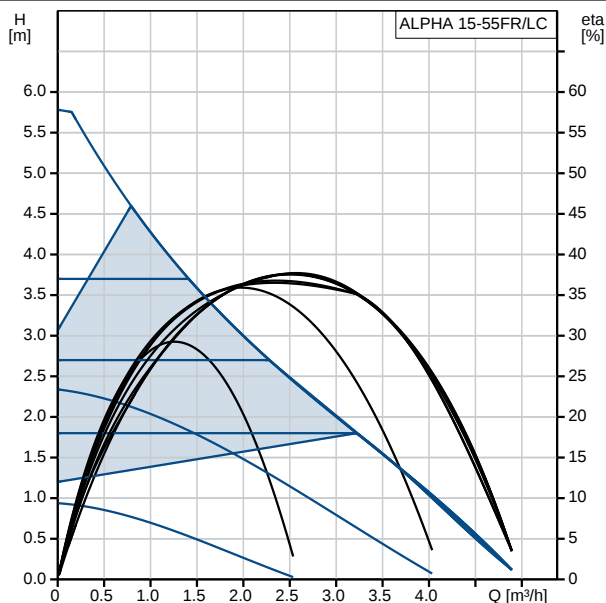
Position	Qty.	Description
	1	ALPHA 15-55FR/LC  Note! Product picture may differ from actual product Product No.: On request GRUNDFOS ALPHA The next generation of energy efficient circulators. ALPHA is the latest and most innovative member of the Grundfos family of high-quality circulators. By incorporating a permanent magnet motor design, power consumption is now reduced by 50%. ALPHA adapts to the seasonal demands of your system without sacrificing comfort. With ALPHA, you can stop worrying about complicated pump settings. Simply install the pump and leave it in the factory setting, AUTOADAPT™. ALPHA will automatically analyze the heating system, find the optimum setting and continue to adjust its operation to changes in demand. The result is optimum comfort and minimum energy consumption. AUTOADAPT The factory setting, AUTOADAPT, analyses the heating system and automatically adjusts the pump setting to meet changes in heating demand. Ensuring lowest possible energy consumption, while maintaining maximum comfort levels. Compact design The innovative design makes ALPHA the most compact Grundfos circulator available. With the electronics integrated into the motor housing and standard 2-Bolt flange connection, confined spaces and challenging applications are now possible. Two options for power connections Option 1: 6-foot line cord with three prong plug Option 2: Conduit terminal box with push pin wire connection One-touch operation Intuitive one-touch operation for selecting seven different hydraulic settings. 3 Fixed Speeds 3 Constant Pressure settings AUTOADAPT LED Display The easy-to-read LED display indicating power (Watts) consumption and flow (GPM) estimation. Liquid: Pumped liquid: Water Liquid temperature range: 2 .. 110 °C Liquid temperature during operation: 60 °C Density: 983.2 kg/m³ Technical:

Position	Qty.	Description
		TF class: 110 Approvals on nameplate: ETL, FCC Materials: Pump housing: Cast iron DIN W.-Nr. GG15 ASTM 30 B Impeller: Composite, PES Installation: Range of ambient temperature: 0 .. 40 °C Maximum operating pressure: 10 bar Pipe connection: G 1 1/2 Pressure rating: PN 10 Port-to-port length: 165 mm Electrical data: Power input - P1: 5 .. 45 W Mains 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: 2.7 kg Gross weight: 3.3 kg Shipping volume: 2.48 m³

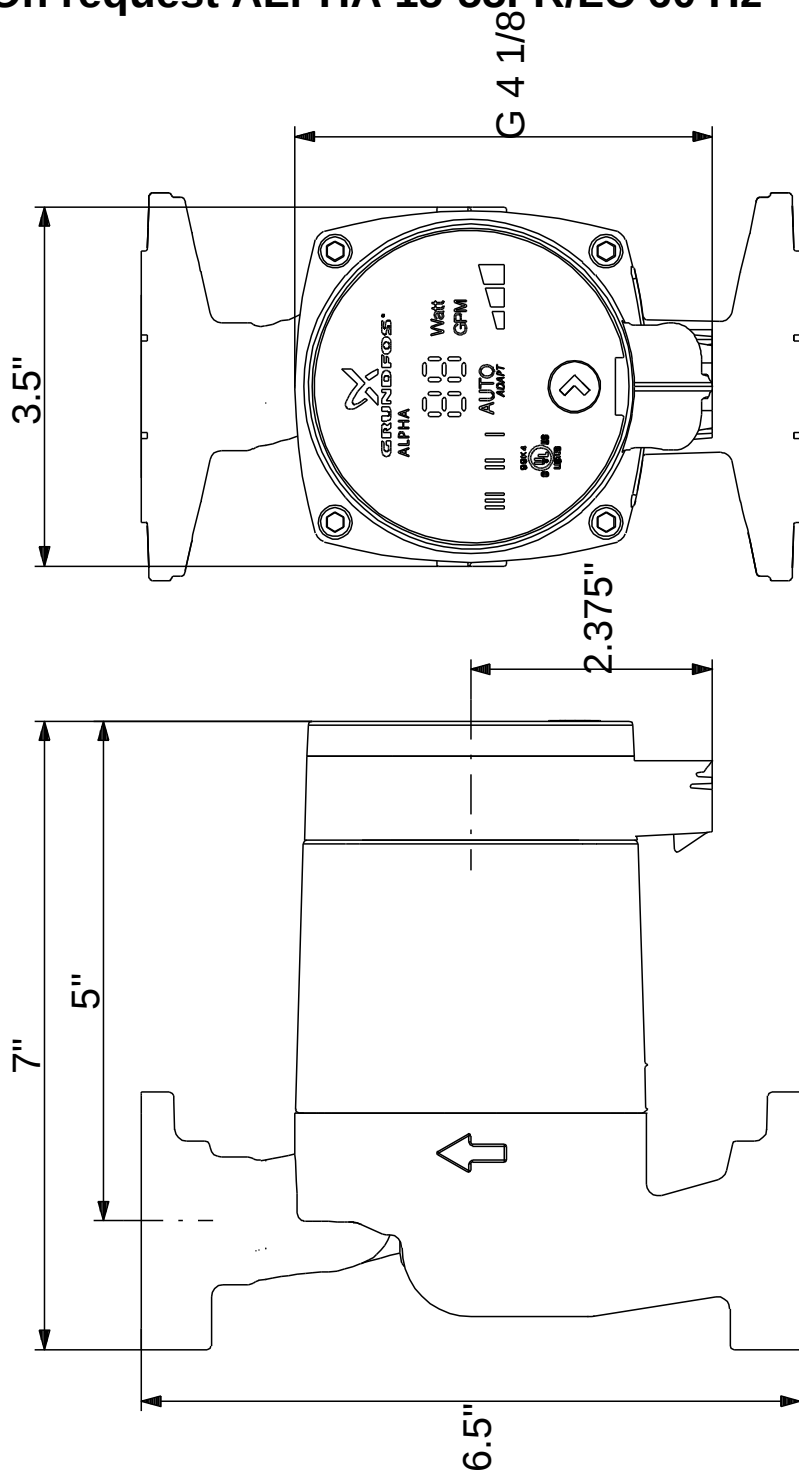
On request ALPHA 15-55FR/LC 60 Hz



Description	Value
General information:	
Product name:	ALPHA 15-55FR/LC
Product No:	On request
EAN number:	On request
Technical:	
Head max:	55 dm
TF class:	110
Approvals on nameplate:	ETL, FCC
Materials:	
Pump housing:	Cast iron
	DIN W.-Nr. GG15
	ASTM 30 B
Impeller:	Composite, PES
Installation:	
Range of ambient temperature:	0 .. 40 °C
Maximum operating pressure:	10 bar
Pipe connection:	G 1 1/2
Pressure rating:	PN 10
Port-to-port length:	165 mm
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	2 .. 110 °C
Liquid temperature during operation:	60 °C
Density:	983.2 kg/m ³
Electrical data:	
Power input - P1:	5 .. 45 W
Mains 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
Motor protec:	NONE
Thermal protec:	ELEC
Controls:	
Pos term box:	6H
Others:	
Net weight:	2.7 kg
Gross weight:	3.3 kg
Shipping volume:	2.48 m ³
Sales region:	USA

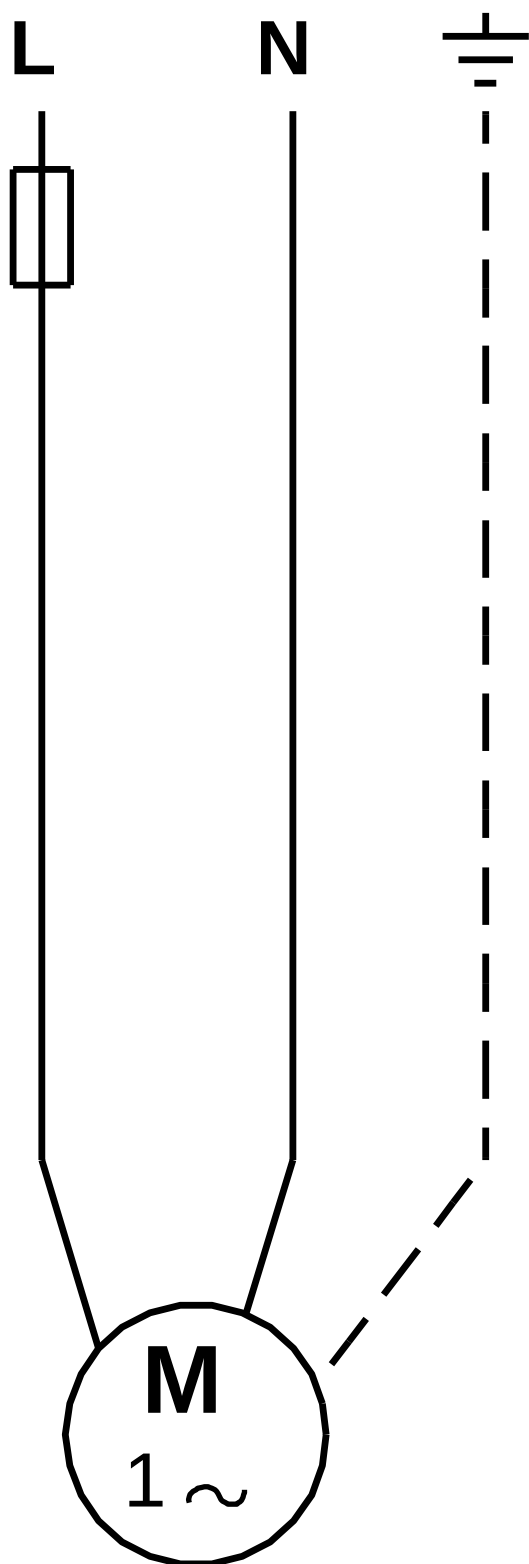


On request ALPHA 15-55FR/LC 60 Hz



Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

On request ALPHA 15-55FR/LC 60 Hz



Note! All units are in [mm] unless others are stated.



Company name:

Created by:

Phone:

Date:

28/11/2017

Order Data:

Product name: ALPHA 15-55FR/LC

Amount: 1

Product No: On request

Total: Price on request
