

PROJECT:	Circulators	UNIT TAG:		QUANTITY:	1
REPRESENTATIVE:	Hurley Engineering	TYPE OF SERVICE:	Recirculation	DATE:	
ENGINEER:	TBD	SUBMITTED BY:	Devin Carle	DATE:	
CONTRACTOR:	TBD	APPROVED BY:		DATE:	
		ORDER NO.:		DATE:	

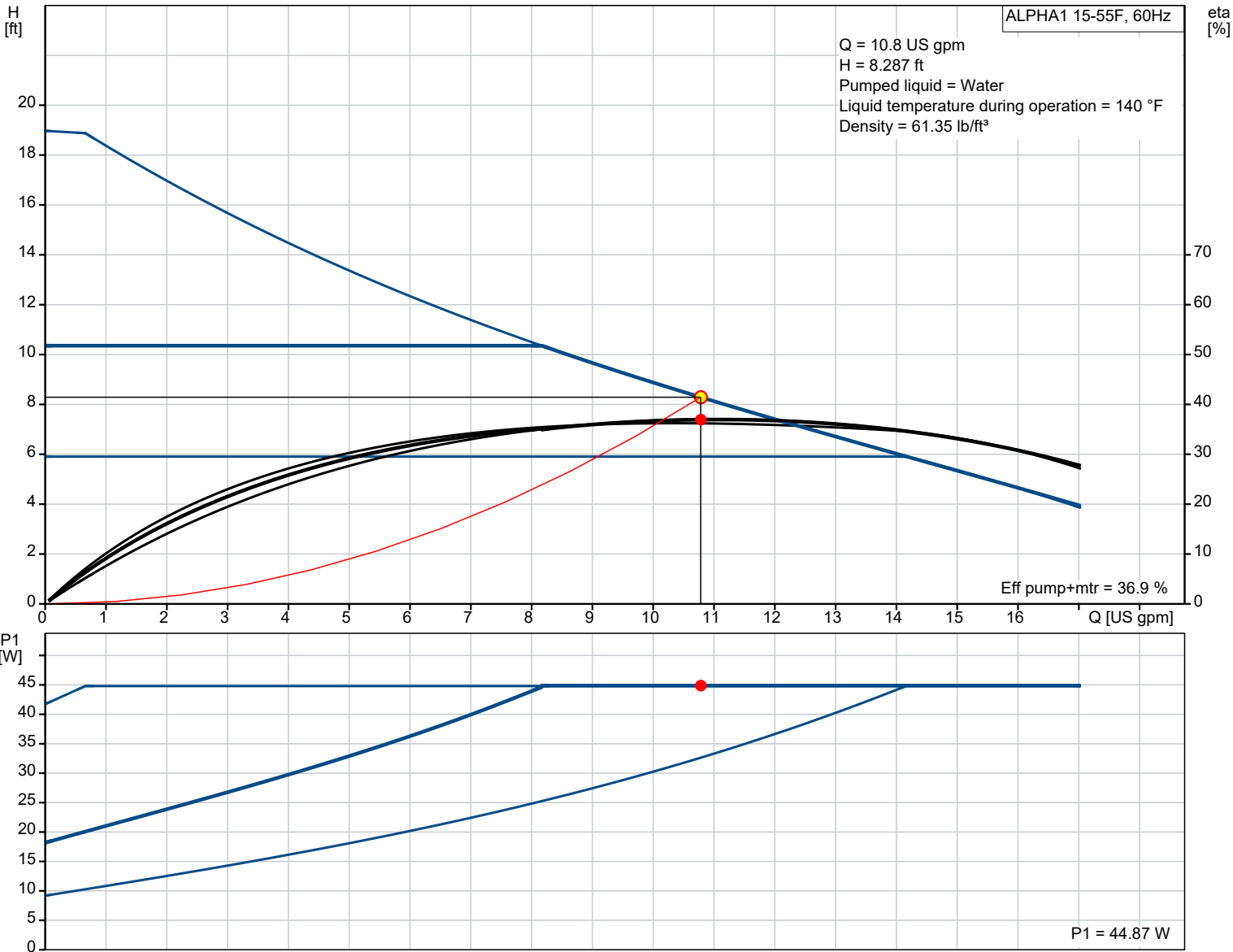


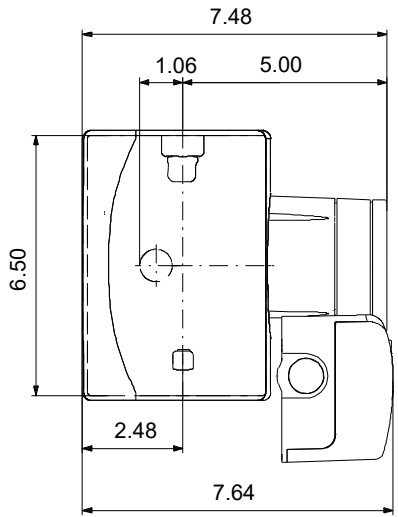
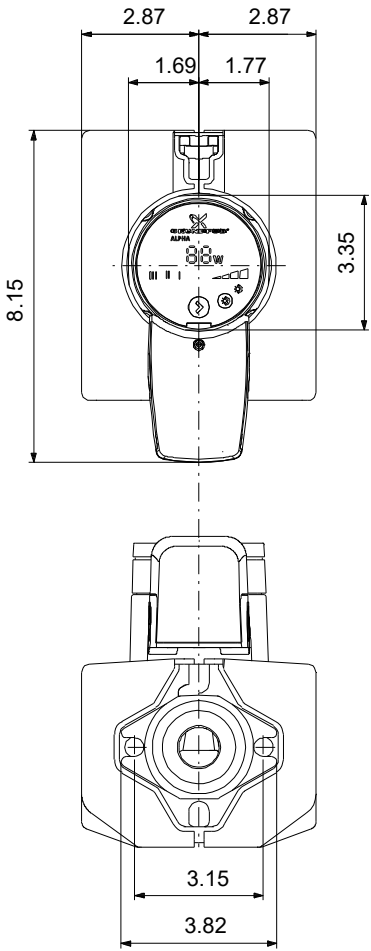
ALPHA1 15-55F

Featuring three constant-pressure control modes, The Grundfos ALPHA1 is a high-efficiency ECM variable speed circulator designed for a wide variety of heating.

Product photo could vary from the actual product

Conditions of Service	Pump Data	Motor Data
Flow: 10.8 US gpm	Maximum operating pressure: 145.04 psi	P1 max: 5 .. 45 W
Head: 8.287 ft	Liquid temperature range: 35.6 .. 230 °F	Rated voltage: 115 V
Efficiency: 36.9 %	Maximum ambient temperature: 104 °F	Main frequency: 60 Hz
Liquid: Water	Approvals: ETL, FCC	Enclosure class: IP42
Temperature: 140 °F	Pipe connection: 1 1/2	Insulation class: F
NPSH required: ft	Product number: On request	Motor protection: NONE
Specific Gravity: 0.985		Thermal protection: ELEC



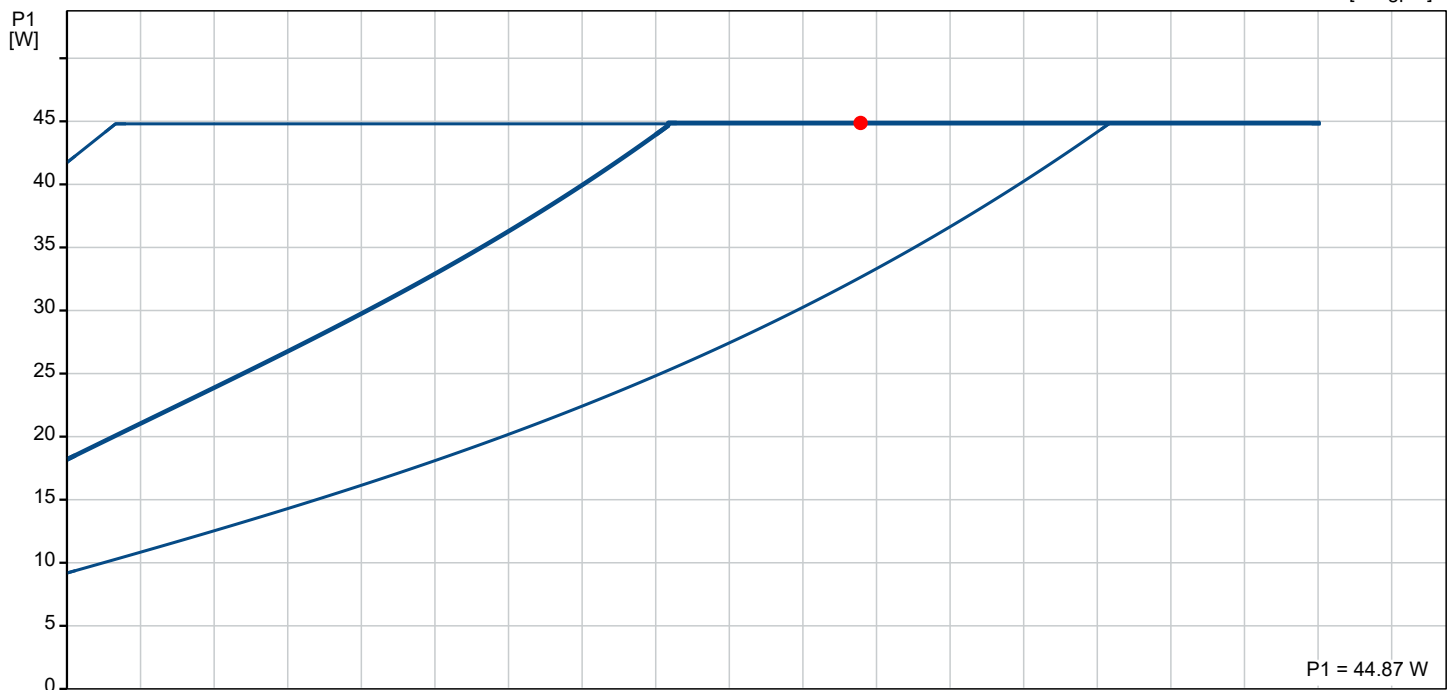
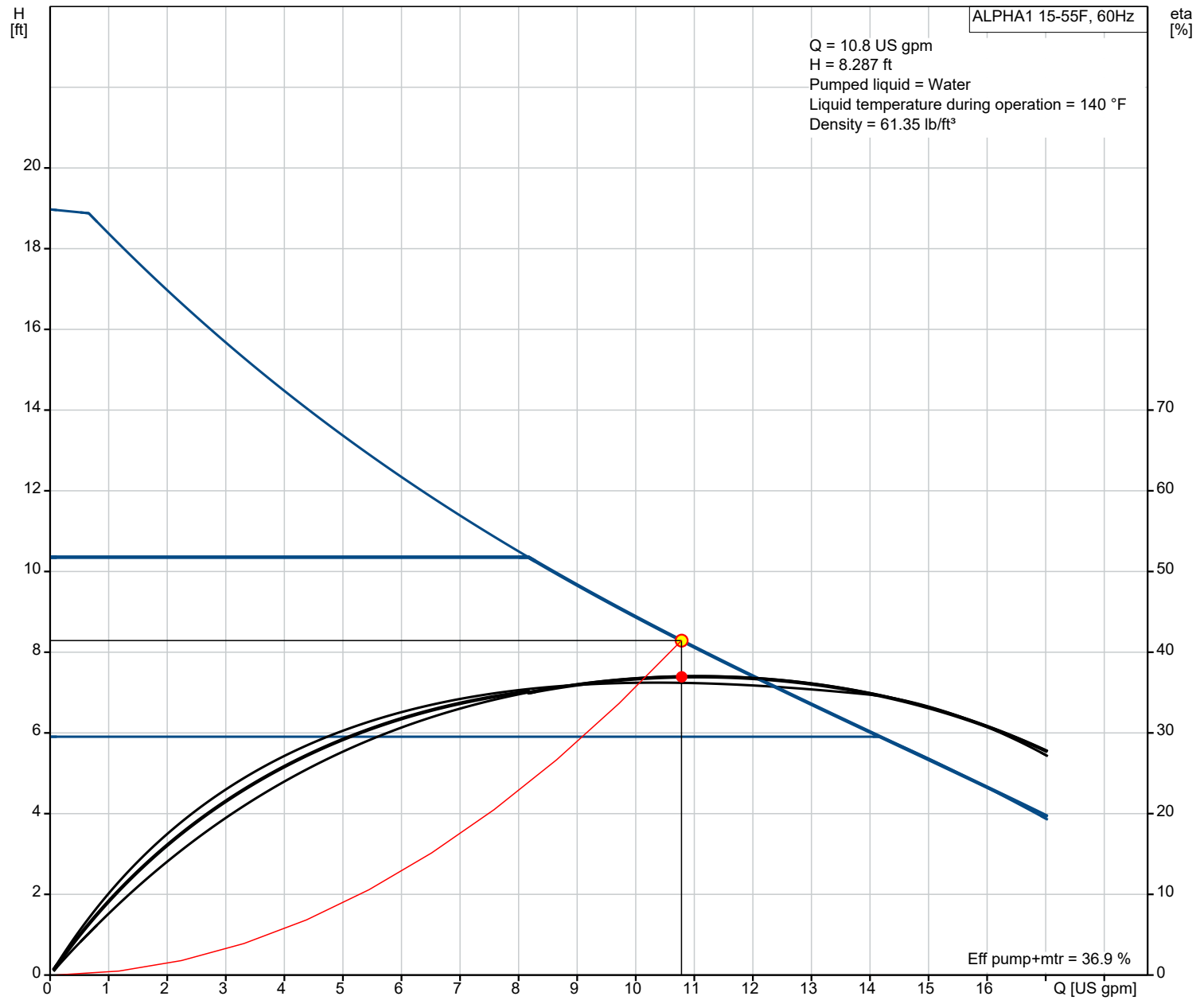


Materials:
Pump housing: Cast iron
Pump housing: EN 1561 EN-GJL-150
Impeller: Composite

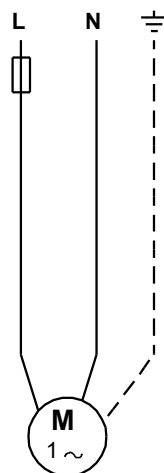
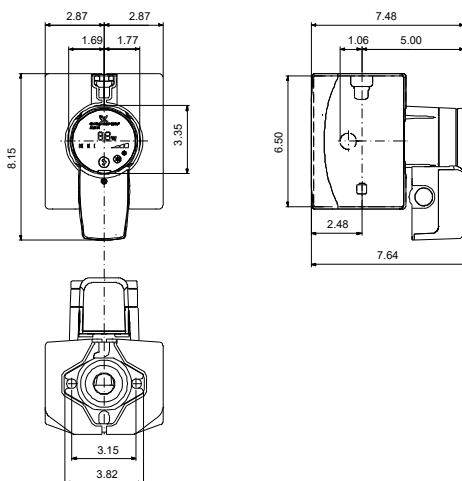
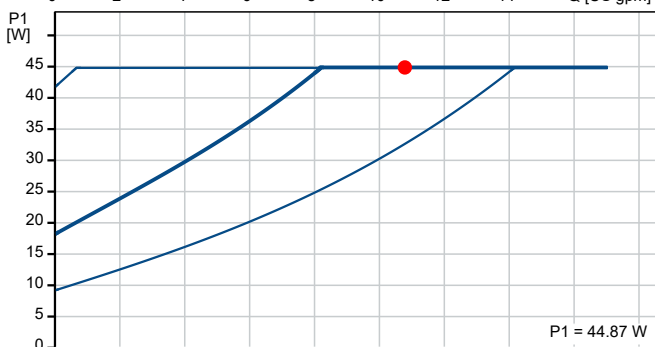
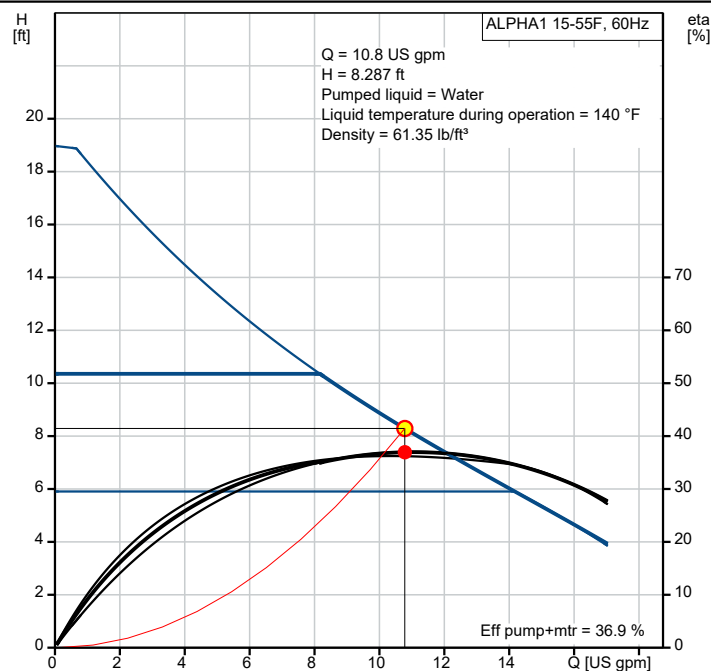
Count	Description
1	ALPHA1 15-55F  Product photo could vary from the actual product Product No.: On request The Grundfos ALPHA1 is a high-efficiency, variable speed circulator fitted with electronically commutated motor. Designed for circulating liquids in heating systems. It features a constant pressure 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/ft³ Technical: Actual calculated flow: 10.8 US gpm Resulting head of the pump: 8.287 ft 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: 6.34 lb Gross weight: 7.1 lb Shipping volume: 0.28 ft³

Count	Description
	Country of origin: US Custom tariff no.: 8413.70.2005

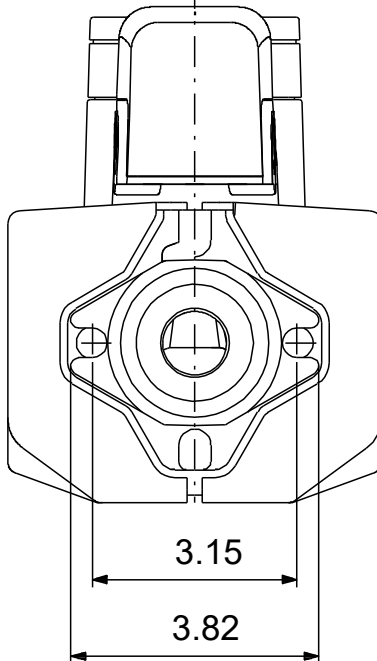
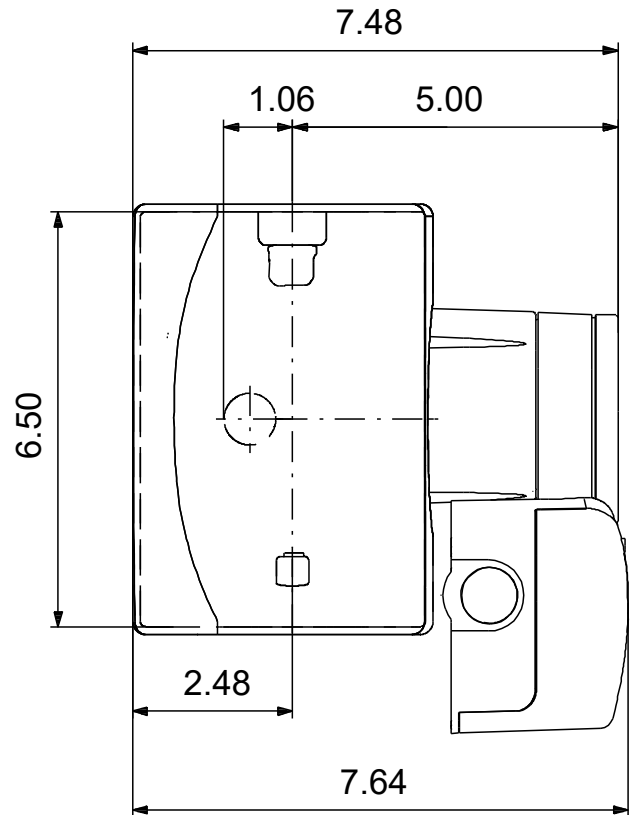
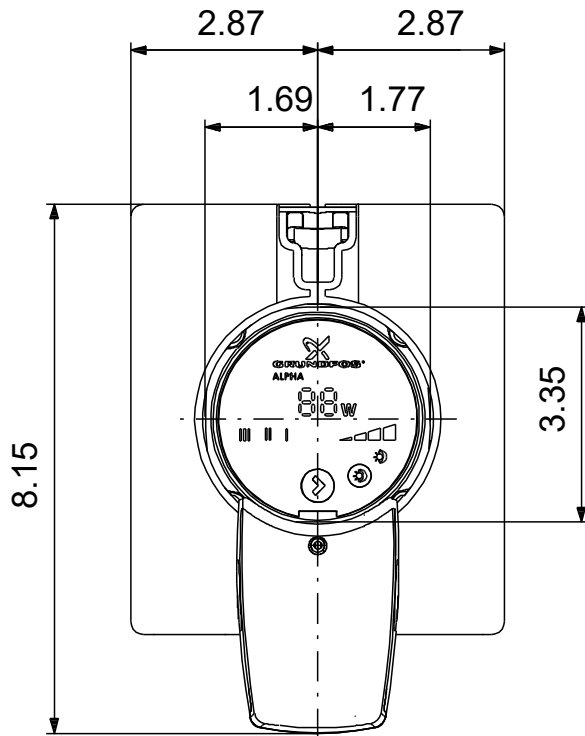
On request ALPHA1 15-55F 60 Hz



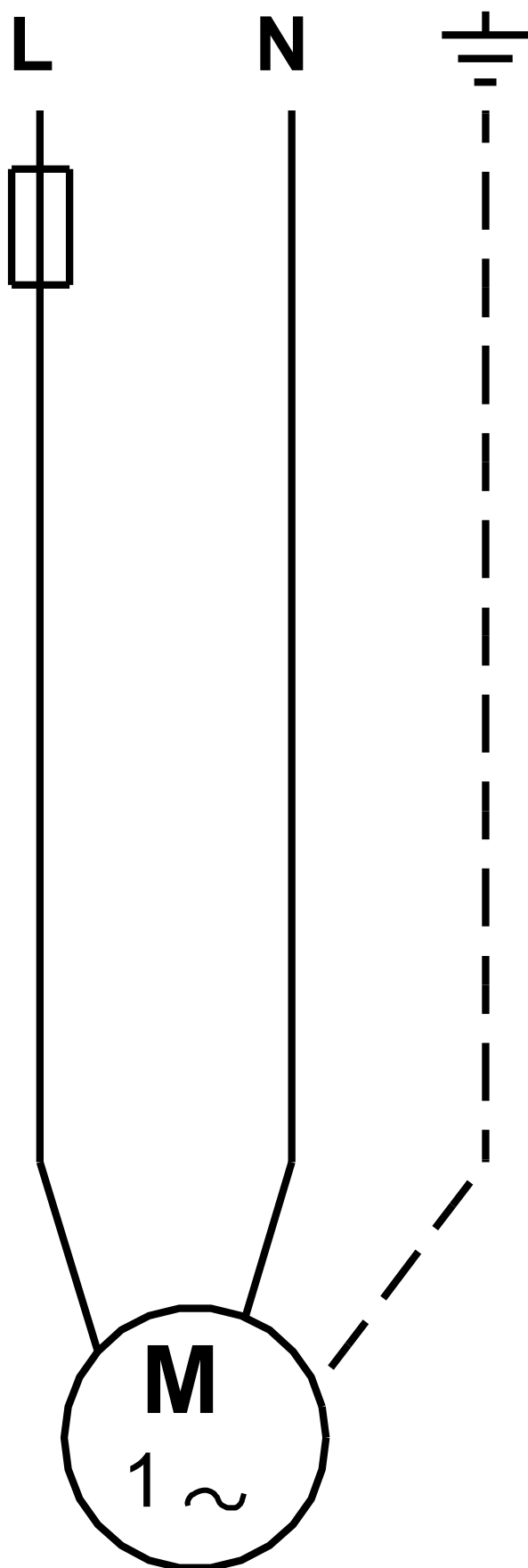
Description	Value
General information:	
Product name:	ALPHA1 15-55F
Product No.:	On request
EAN:	On request
Technical:	
Actual calculated flow:	10.8 US gpm
Resulting head of the pump:	8.287 ft
Head max:	18.05 ft
TF class:	110
Approvals on nameplate:	ETL, FCC
Materials:	
Pump housing:	Cast iron
Pump housing:	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
Motor protection:	NONE
Thermal protec:	ELEC
Controls:	
Pos term box:	6H
Others:	
Net weight:	6.34 lb
Gross weight:	7.1 lb
Shipping volume:	0.28 ft³
Sales region:	USA
Country of origin:	US
Custom tariff no.:	8413.70.2005



On request ALPHA1 15-55F 60 Hz



On request ALPHA1 15-55F 60 Hz





Company name: Hurley Engineering

Created by:

Phone:

Date:

4/22/2021

Order Data:

Product name: ALPHA1 15-55F

Amount: 1

Product No.: On request

Total: Price on request
