

Submittal Data

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

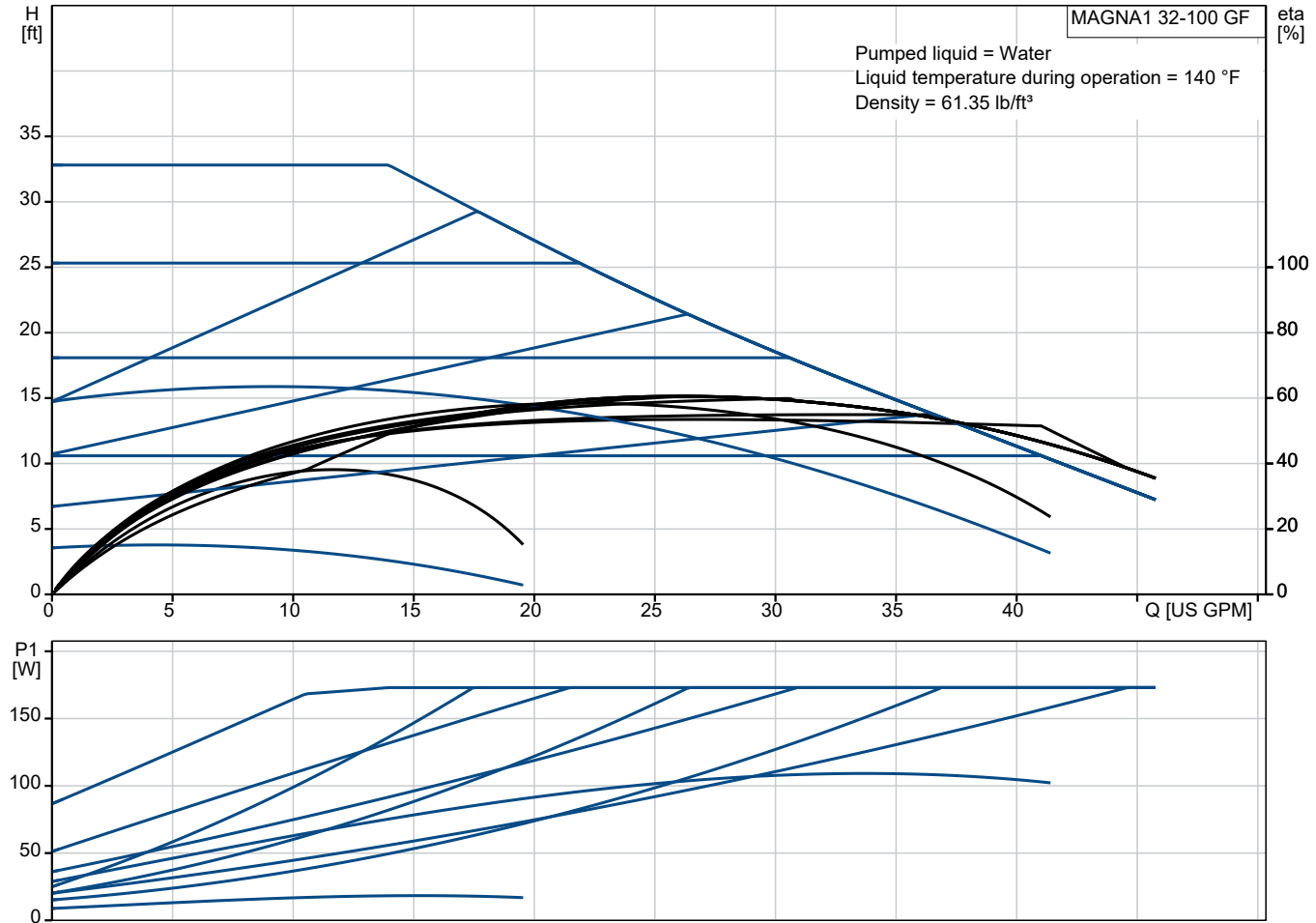
MAGNA1 32-100 GF



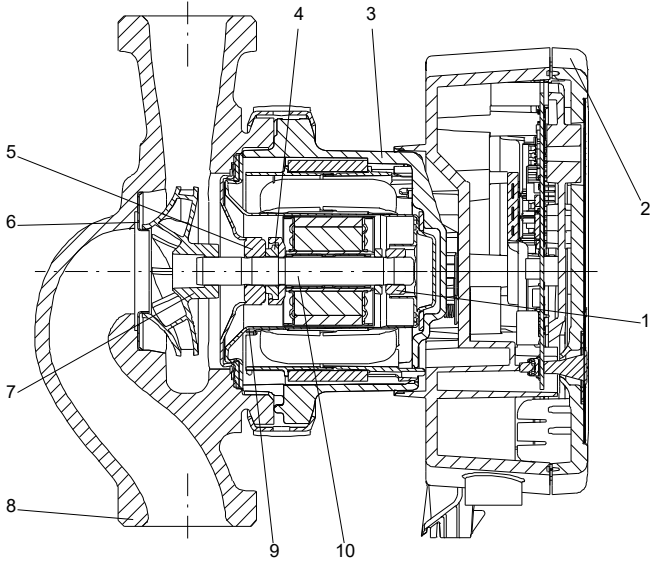
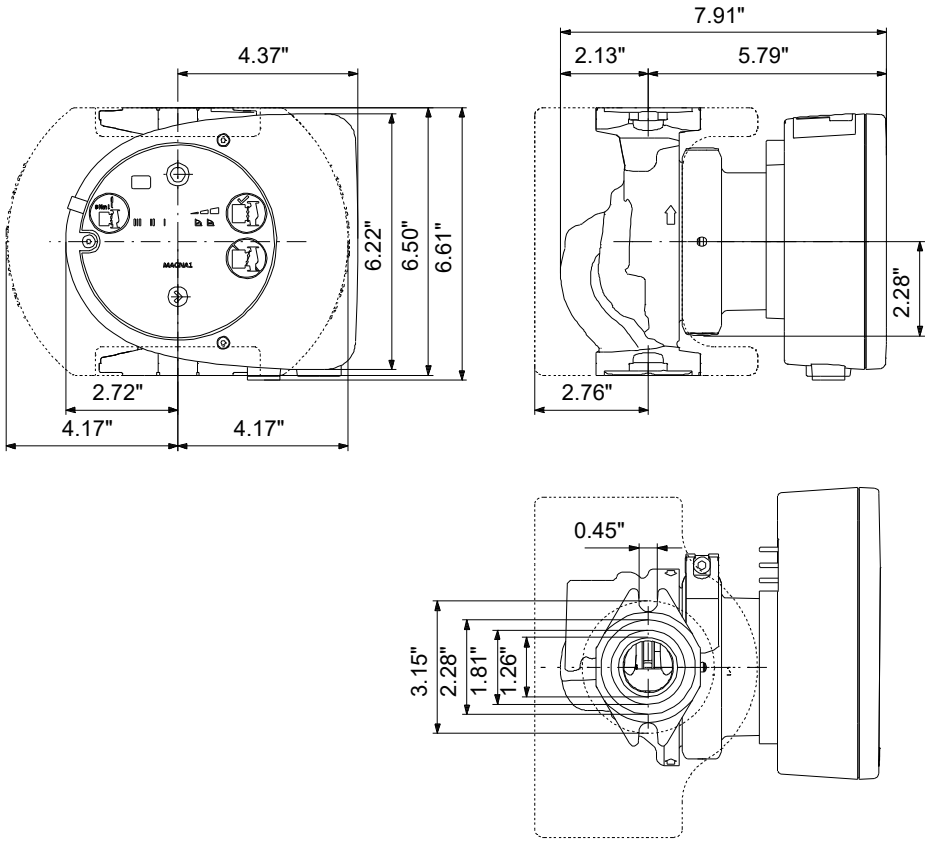
The Grundfos MAGNA1 circulator pump is ideal for basic performance needs in heating and cooling applications.

Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data	
Liquid:	Water	Liquid temperature range:	14 .. 230 °F	Mains frequency:	60 Hz
Temperature:	140 °F	Maximum ambient temperature:	104 °F	Enclosure class:	X4D
Specific Gravity:	0.985	Flange standard:	GF		
		Pipe connection:	GF15/26/40/43		
		Product number:	98126823		



Submittal Data



Materials:
 Pump housing: Cast iron
 Pump housing: ASTM A48-250B
 Impeller: Composite

Qty. Description

1 MAGNA1 32-100 GF



Note! Product picture may differ from actual product

Product No.: [98126823](#)

The Grundfos MAGNA1 circulator pump is the simple option for a job well done.

With its high energy efficiency the product lives up to the EuP 2015 regulations ensuring substantial savings on electricity, and with its intuitive, user-friendly interface and maintenance-free design, MAGNA1 is the ideal circulator pump for applications with basic performance needs.

The pump is maintenance-free due to the canned-rotor type design.

MAGNA1 can work as main pump in both heating and cooling applications, including:

- Mixing loops
- Heating surfaces
- Air-conditioning surfaces
- Ground-source heat pump systems
- Smaller chiller applications.

MAGNA1 is a single-phase pump and characterized by having the controller and operating panel integrated in the control box.

The pump housing is available in both cast-iron and stainless-steel versions.

The composite rotor can is carbon-fiber reinforced, the bearing plate and rotor cladding are made of stainless steel and the stator housing is made of aluminum.

The power electronics are air-cooled.

The pump incorporates a 4-pole synchronous, permanent-magnet motor (PM motor). This motor type is characterized by higher efficiency than a conventional asynchronous squirrel-cage motor. The pump speed is controlled by an integrated frequency converter.



Company name:

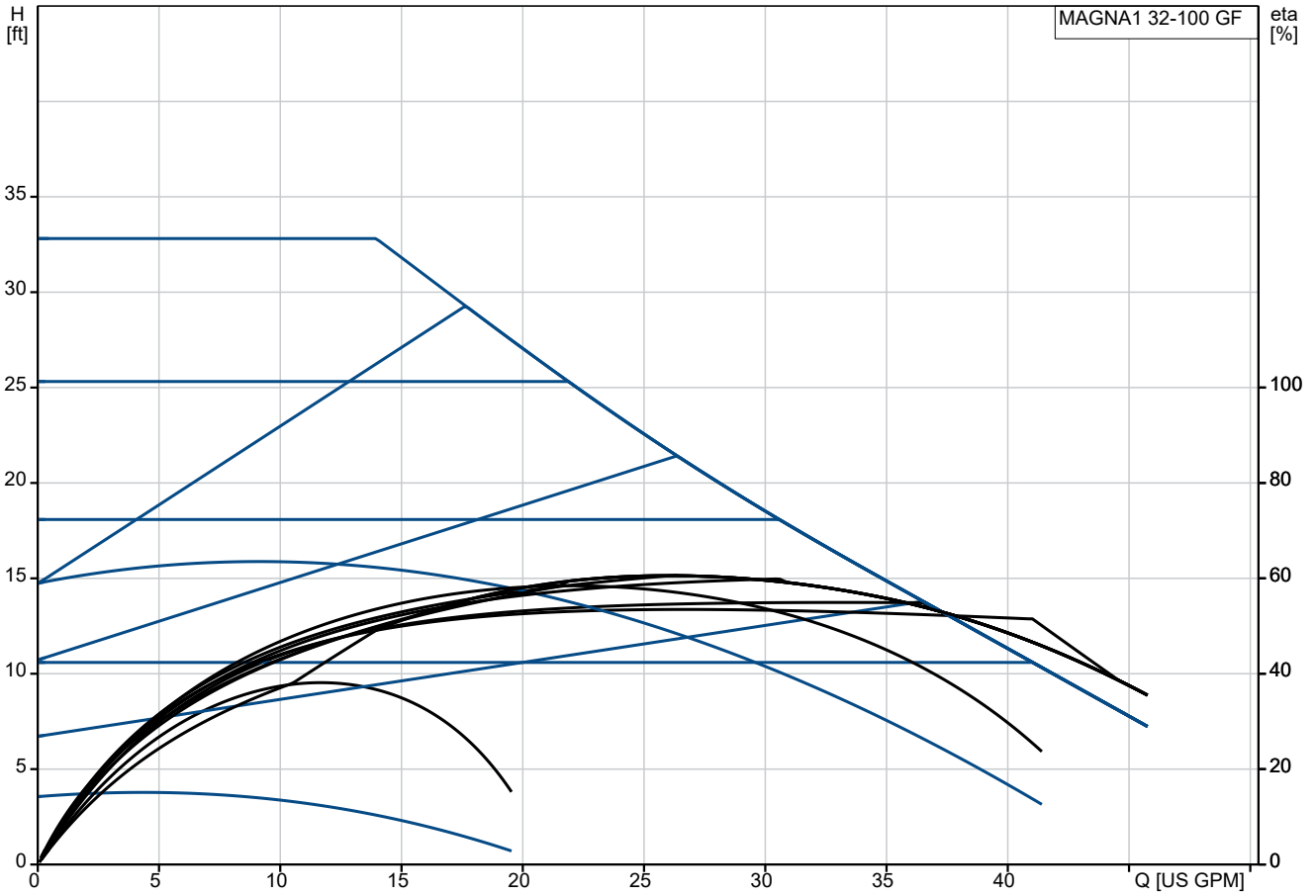
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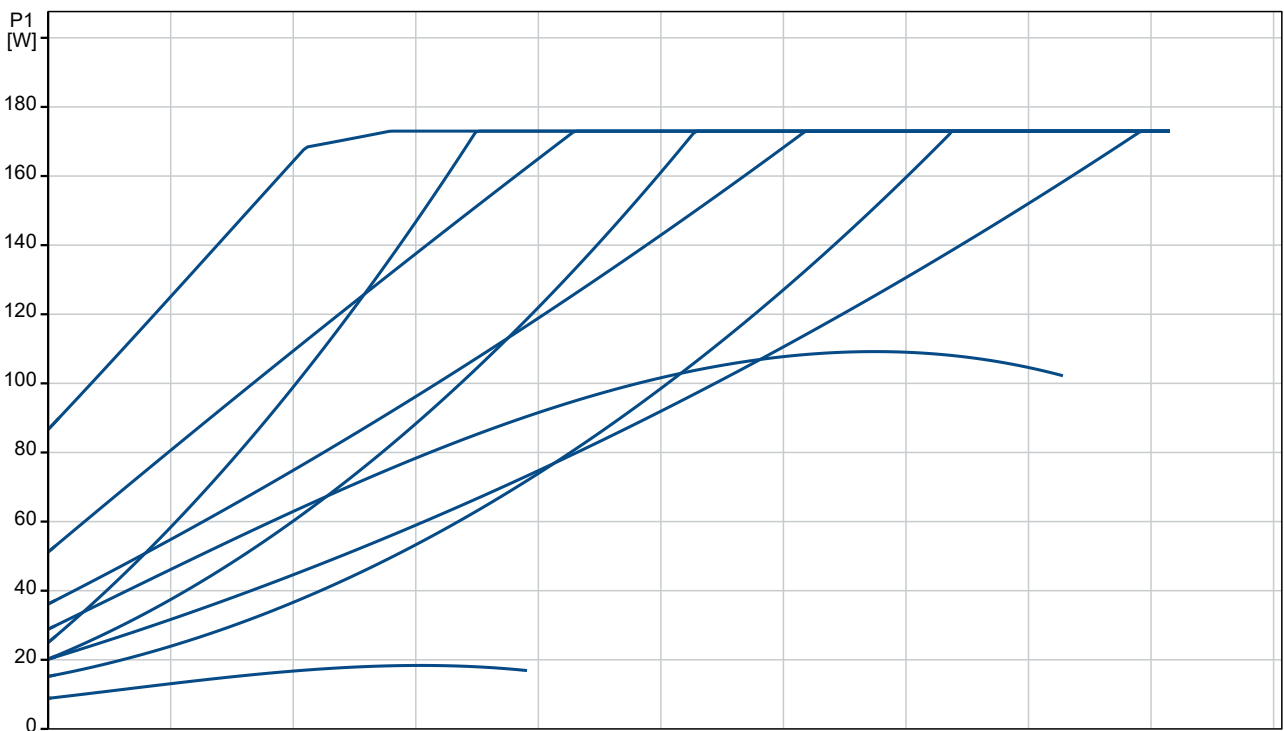
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19/07/2024

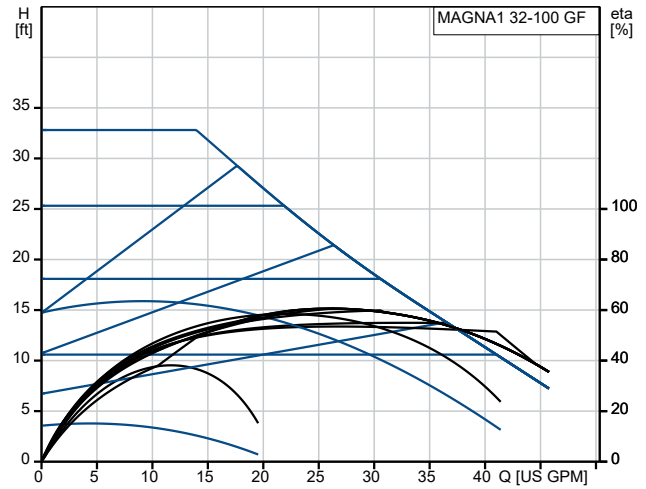
98126823 MAGNA1 32-100 GF 60 Hz



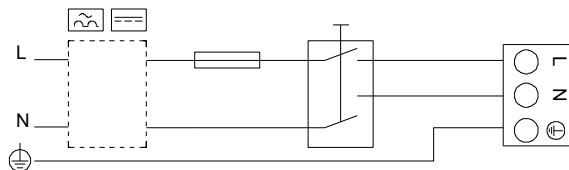
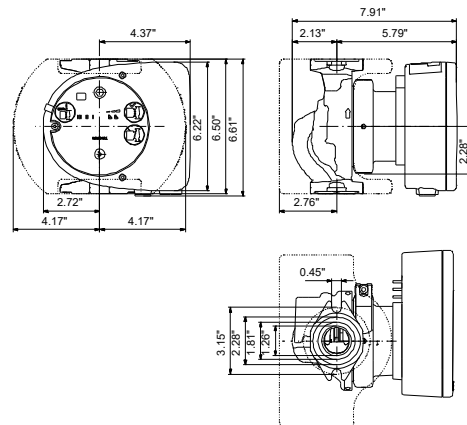
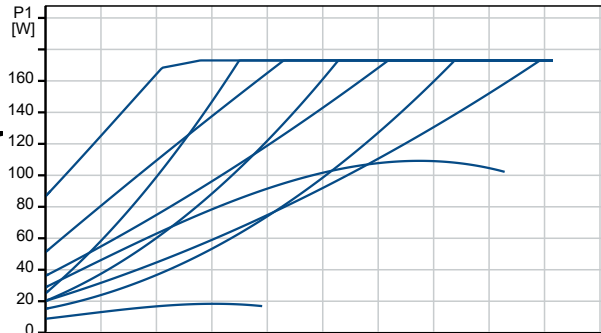
Pumped liquid = Water
Liquid temperature during operation = 140 °F
Density = 61.35 lb/ft³



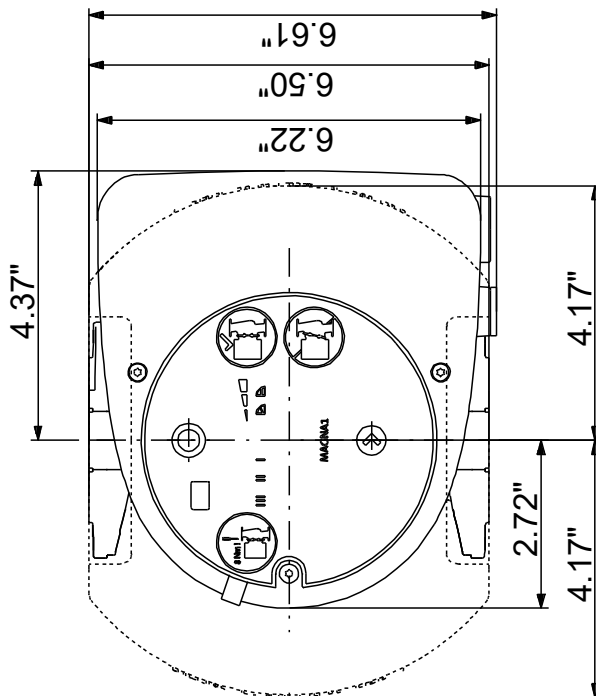
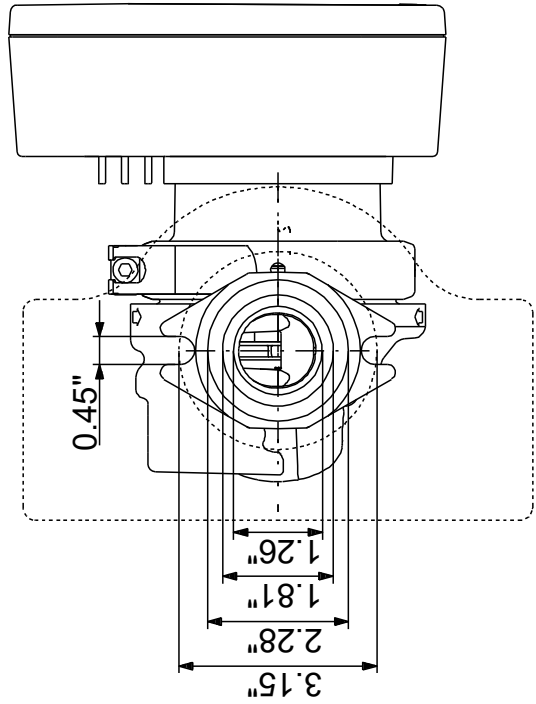
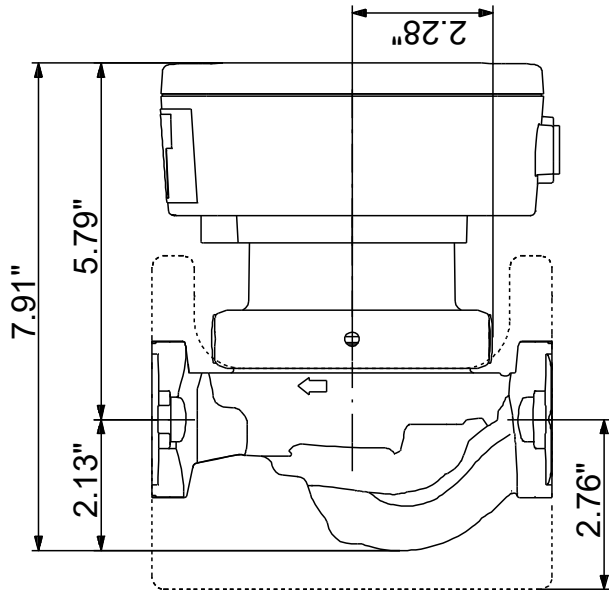
Description	Value
General information:	
Product name:	MAGNA1 32-100 GF
Product No:	98126823
EAN number:	5710629499851
Price:	
Technical:	
Maximum head:	32.81 ft
TF class:	110
Approvals:	cETLus, Proposition 65
Model:	B
Materials:	
Pump housing:	Cast iron
Pump housing:	EN 1561 EN-GJL-250
Pump housing:	ASTM A48-250B
Impeller:	Composite
Installation:	
Range of ambient temperature:	32 .. 104 °F
Maximum operating pressure:	174.05 psi
Flange standard:	GF
Pipe connection:	GF15/26/40/43
Pressure rating for connection:	PN 12
Port-to-port length:	6 1/2 in
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	14 .. 230 °F
Selected liquid temperature:	140 °F
Density:	61.35 lb/ft ³
Electrical data:	
Maximum power input - P1:	178 W
P1 min.:	8.62 W
Mains frequency:	60 Hz
Rated voltage:	1 x 115-230 V
Minimum current consumption:	0.28 A
Maximum current consumption:	1.61 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Others:	
Energy (EEI):	0.19
Net weight:	12.1 lb
Gross weight:	14.3 lb
Shipping volume:	0.35 ft ³
Country of origin:	US
Custom tariff no.:	8413.70.2005



Pumped liquid = Water
Liquid temperature during operation = 140 °F
Density = 61.35 lb/ft³

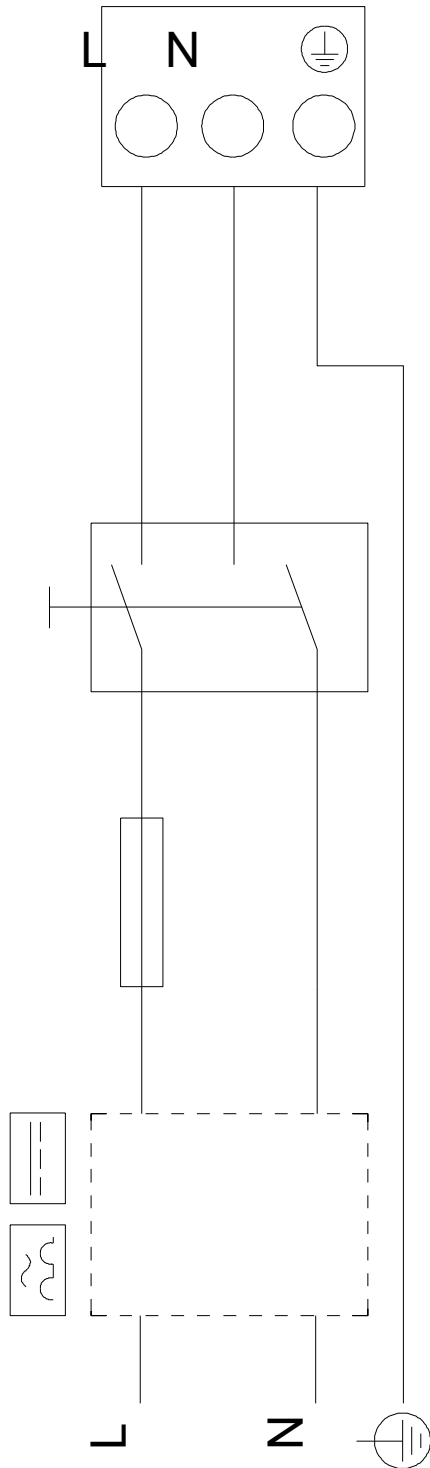


98126823 MAGNA1 32-100 GF 60 Hz



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

98126823 MAGNA1 32-100 GF 60 Hz



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