

Count	Description
1	<p data-bbox="225 340 427 367">MAGNA1 50-60 F</p>  <p data-bbox="619 638 1072 665">Product photo could vary from the actual product</p> <p data-bbox="225 669 491 696">Product No.: 99221333</p> <p data-bbox="225 698 1455 797">The new MAGNA1 is the simple option for a job well done. It is the perfect choice when replacing older circulators and due to its compliance with the EuP 2015 regulations, substantial savings on electricity is a reality. The ideal choice for basic performance needs in applications where basic system control and monitoring is desired.</p> <ul data-bbox="264 813 1347 1014" style="list-style-type: none"> • Monitoring via the fault relay, ensuring peace of mind • Digital start/stop input available for remote pump control • Continuous operation and reduced downtime with the wireless twin pump function (available on twin-head pumps) • High energy efficiency resulting in substantial savings on electricity • Easy setup and operation via the simple user interface • No maintenance due to the canned-rotor type design. <p data-bbox="225 1048 1034 1075">MAGNA1 is the simple and efficient choice for most applications including</p> <ul data-bbox="264 1077 727 1314" style="list-style-type: none"> • Heating <ul data-bbox="300 1111 528 1193" style="list-style-type: none"> - Main pump - Mixing loops - Heating surfaces • Cooling <ul data-bbox="300 1227 727 1314" style="list-style-type: none"> - Air conditioning surfaces - Ground source heat pump systems - Smaller chiller applications <p data-bbox="225 1375 300 1402">Liquid:</p> <p data-bbox="225 1404 719 1520">Pumped liquid: Water Liquid temperature range: 14 .. 230 °F Selected liquid temperature: 140 °F Density: 61.35 lb/ft³</p> <p data-bbox="225 1554 341 1581">Technical:</p> <p data-bbox="225 1583 943 1641">TF class: 110 Approvals on nameplate: CE, VDE, EAC, CN ROHS, WEEE</p> <p data-bbox="225 1675 341 1702">Materials:</p> <p data-bbox="225 1704 778 1785">Pump housing: Cast iron EN-GJL-250 ASTM A48-250B</p> <p data-bbox="225 1796 730 1823">Impeller: PES 30%GF</p> <p data-bbox="225 1856 352 1883">Installation:</p> <p data-bbox="225 1886 719 2056">Range of ambient temperature: 32 .. 104 °F Maximum operating pressure: 145.04 psi Flange standard: DIN Pipe connection: DN 50 Pressure stage: PN 6/10 Port-to-port length: 9 1/2 in</p>



Company name:

Created by:

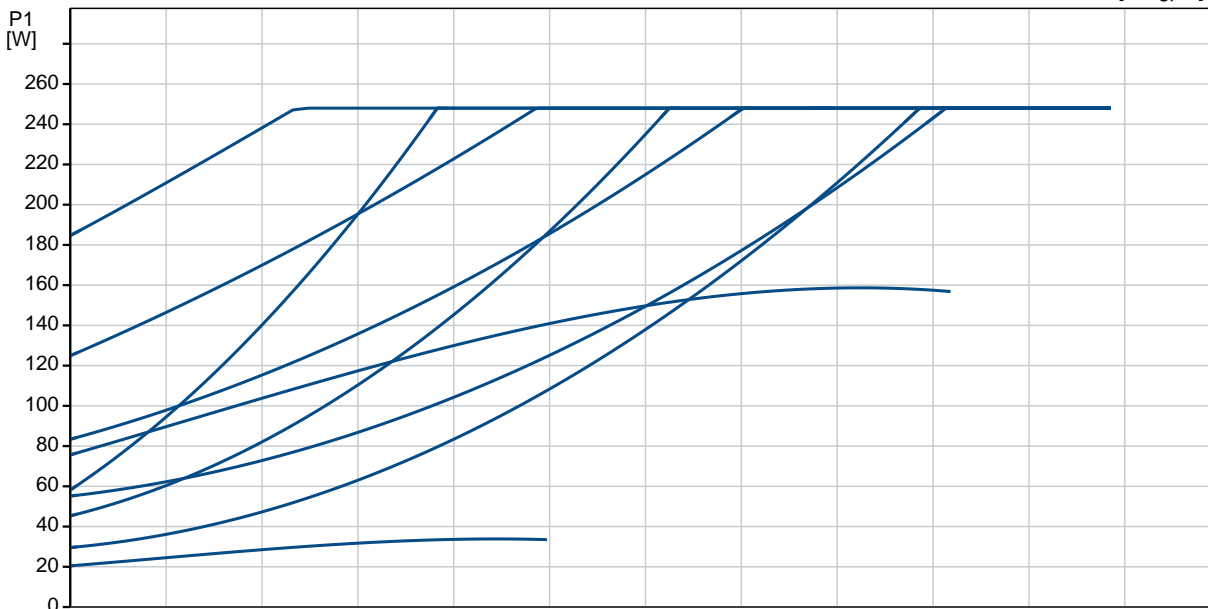
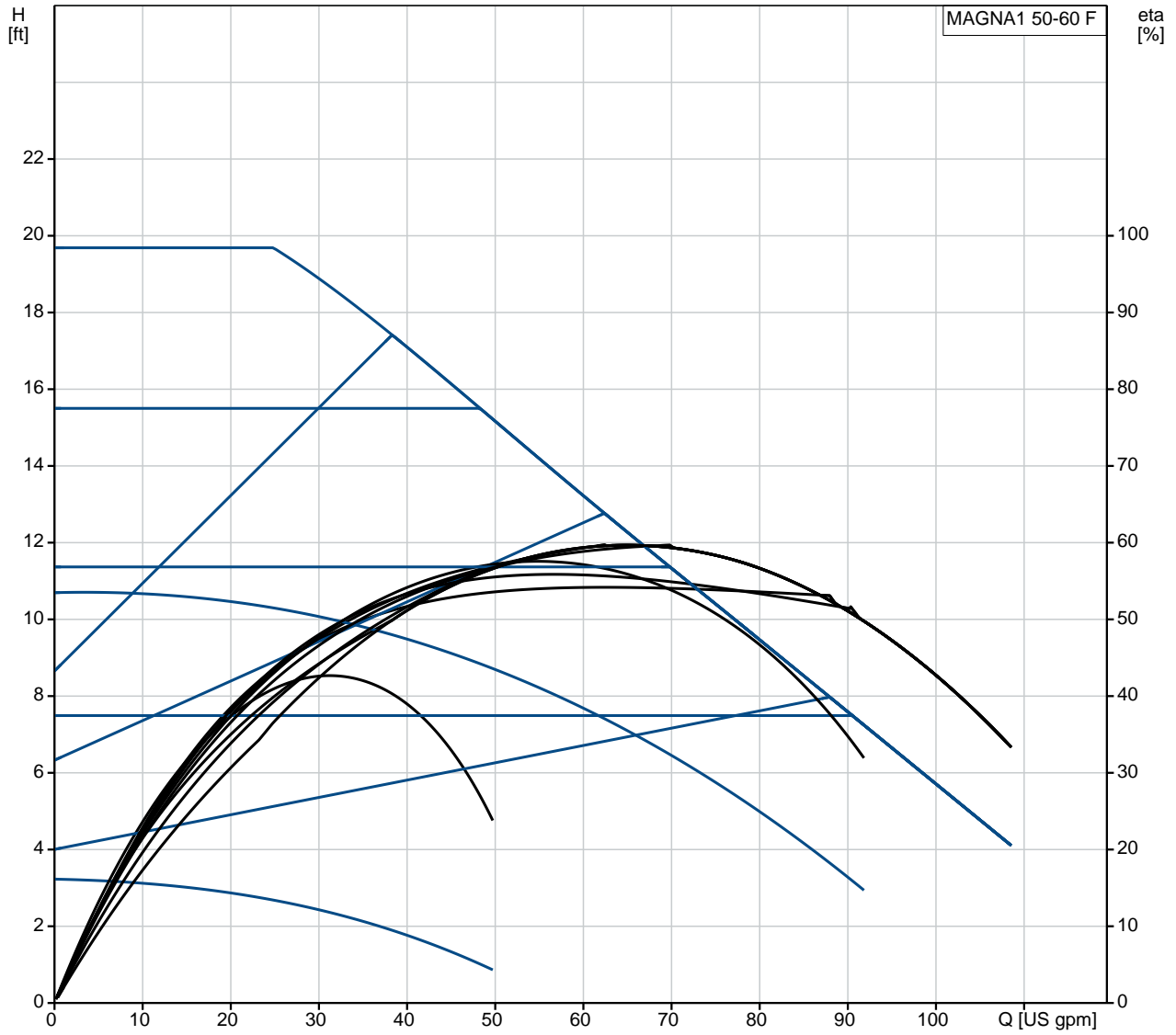
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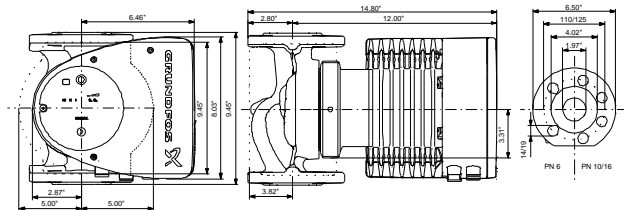
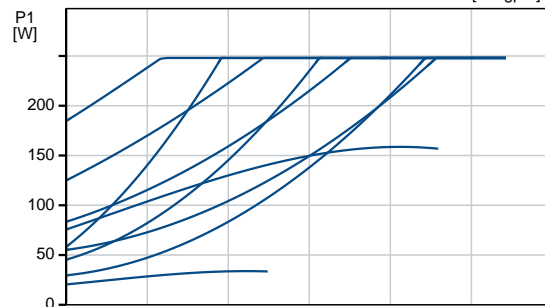
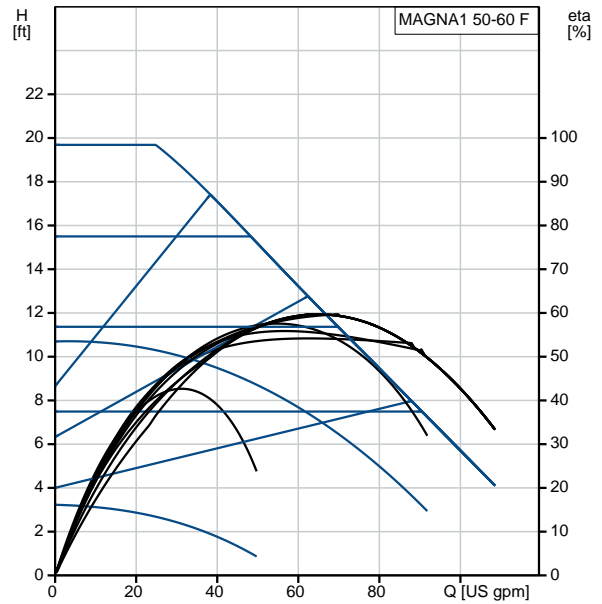
11/12/2020

Count	Description
	Electrical data:
	Power input - P1: 20.91 .. 252 W
	Main frequency: 50 / 60 Hz
	Rated voltage: 1 x 230 V
	Maximum current consumption: 0.22 .. 1.15 A
	Enclosure class (IEC 34-5): X4D
	Insulation class (IEC 85): F
	Others:
	Energy (EEI): 0.20
	Net weight: 39.4 lb
	Gross weight: 43.5 lb
	Shipping volume: 1.62 ft ³
	Finnish LVI No.: 4615193

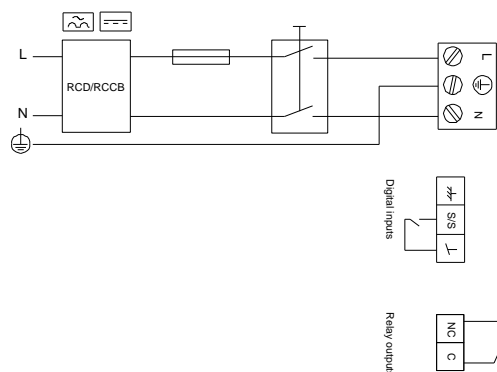
99221333 MAGNA1 50-60 F



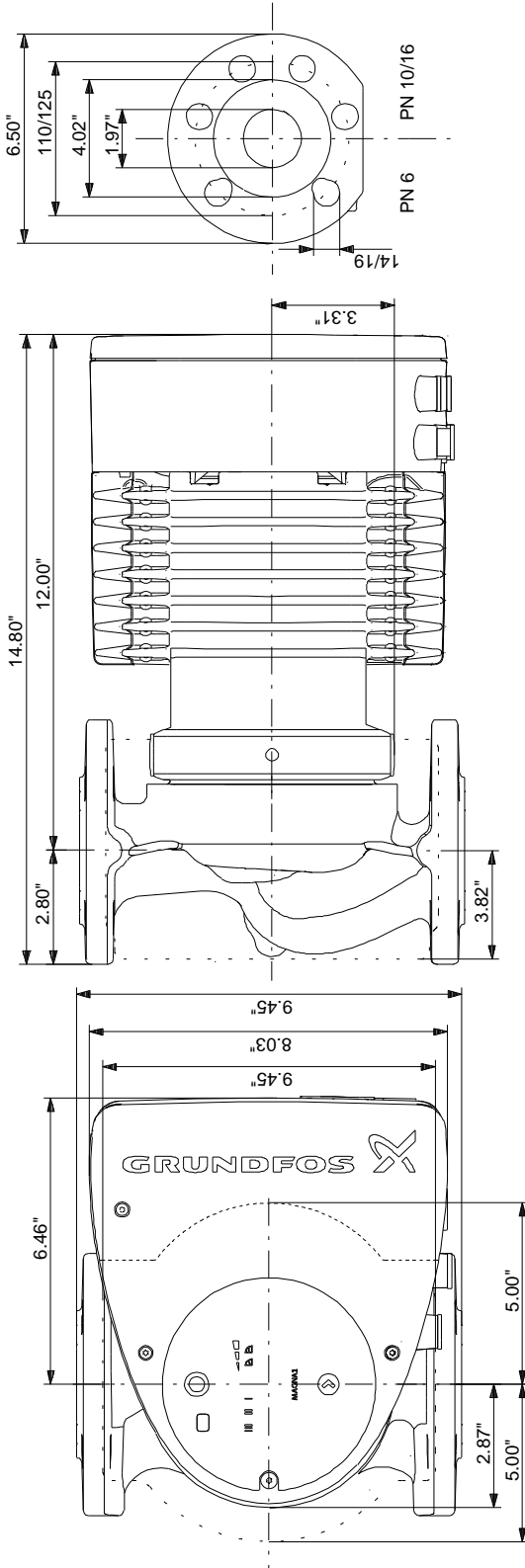
Description	Value
General information:	
Product name:	MAGNA1 50-60 F
Product No.:	99221333
EAN:	5712608943065
Technical:	
Head max:	19.69 ft
TF class:	110
Approvals on nameplate:	CE,VDE,EAC,CN ROHS,WEEE
Model:	C
Materials:	
Pump housing:	Cast iron
Pump housing:	EN-GJL-250
Pump housing:	ASTM A48-250B
Impeller:	PES 30%GF
Installation:	
Range of ambient temperature:	32 .. 104 °F
Maximum operating pressure:	145.04 psi
Flange standard:	DIN
Pipe connection:	DN 50
Pressure stage:	PN 6/10
Port-to-port length:	9 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:	
Power input - P1:	20.91 .. 252 W
Main frequency:	50 / 60 Hz
Rated voltage:	1 x 230 V
Maximum current consumption:	0.22 .. 1.15 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Others:	
Energy (EEI):	0.20
Net weight:	39.4 lb
Gross weight:	43.5 lb
Shipping volume:	1.62 ft ³
Finnish LVI No.:	4615193



Example of mains-connected motor with mains switch, backup fuse and additional protection



99221333 MAGNA1 50-60 F

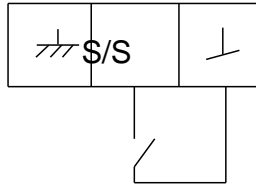
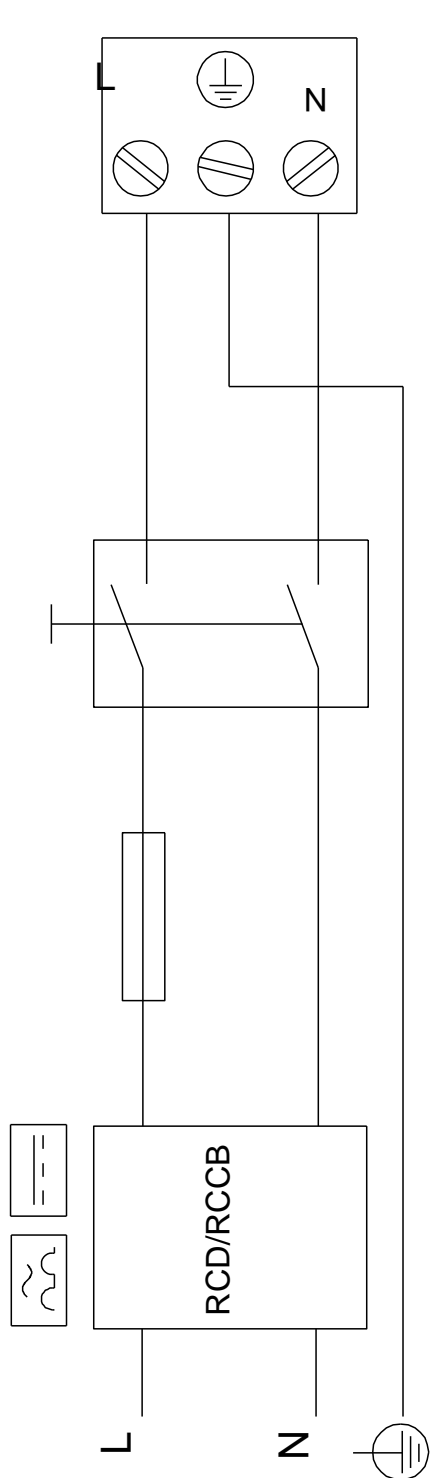


Note! All units are in [in] unless otherwise stated.

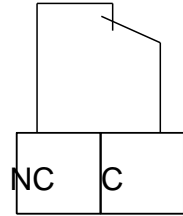
Disclaimer: This simplified dimensional drawing does not show all details.

99221333 MAGNA1 50-60 F

Example of mains-connected motor with mains switch, backup fuse and additional protection



Digital inputs



Relay outputs

All units are [in] unless otherwise presented.