

Count	Description
1	<p data-bbox="225 338 443 367">MAGNA1 40-150 F</p>  <p data-bbox="619 636 1070 663">Product photo could vary from the actual product</p> <p data-bbox="225 667 496 696">Product No.: 99221306</p> <p data-bbox="225 698 1458 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="264 810 1347 1016" 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 1077">MAGNA1 is the simple and efficient choice for most applications including</p> <ul data-bbox="264 1079 727 1317" style="list-style-type: none"> • Heating <ul data-bbox="300 1111 528 1196" style="list-style-type: none"> - Main pump - Mixing loops - Heating surfaces • Cooling <ul data-bbox="300 1227 727 1317" style="list-style-type: none"> - Air conditioning surfaces - Ground source heat pump systems - Smaller chiller applications <p data-bbox="225 1375 304 1404">Liquid:</p> <p data-bbox="225 1406 719 1435">Pumped liquid: Water</p> <p data-bbox="225 1438 719 1467">Liquid temperature range: 14 .. 230 °F</p> <p data-bbox="225 1469 667 1498">Selected liquid temperature: 140 °F</p> <p data-bbox="225 1500 708 1529">Density: 61.35 lb/ft³</p> <p data-bbox="225 1559 341 1588">Technical:</p> <p data-bbox="225 1590 632 1619">TF class: 110</p> <p data-bbox="225 1621 943 1650">Approvals on nameplate: CE, VDE, EAC, CN ROHS, WEEE</p> <p data-bbox="225 1680 341 1709">Materials:</p> <p data-bbox="225 1711 778 1796">Pump housing: Cast iron EN-GJL-250 ASTM A48-250B</p> <p data-bbox="225 1798 730 1827">Impeller: PES 30%GF</p> <p data-bbox="225 1856 352 1886">Installation:</p> <p data-bbox="225 1888 719 1917">Range of ambient temperature: 32 .. 104 °F</p> <p data-bbox="225 1919 708 1948">Maximum operating pressure: 145.04 psi</p> <p data-bbox="225 1951 632 1980">Flange standard: DIN</p> <p data-bbox="225 1982 667 2011">Pipe connection: DN 40</p> <p data-bbox="225 2013 683 2042">Pressure stage: PN 6/10</p> <p data-bbox="225 2045 676 2074">Port-to-port length: 9 7/8 in</p>



Company name:

Created by:

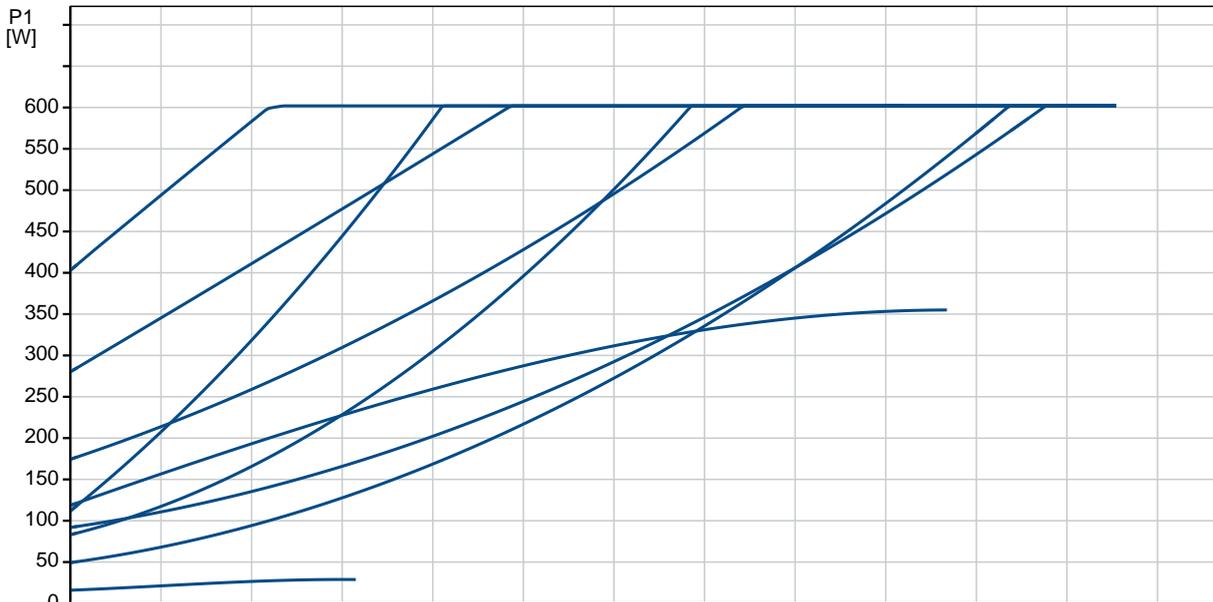
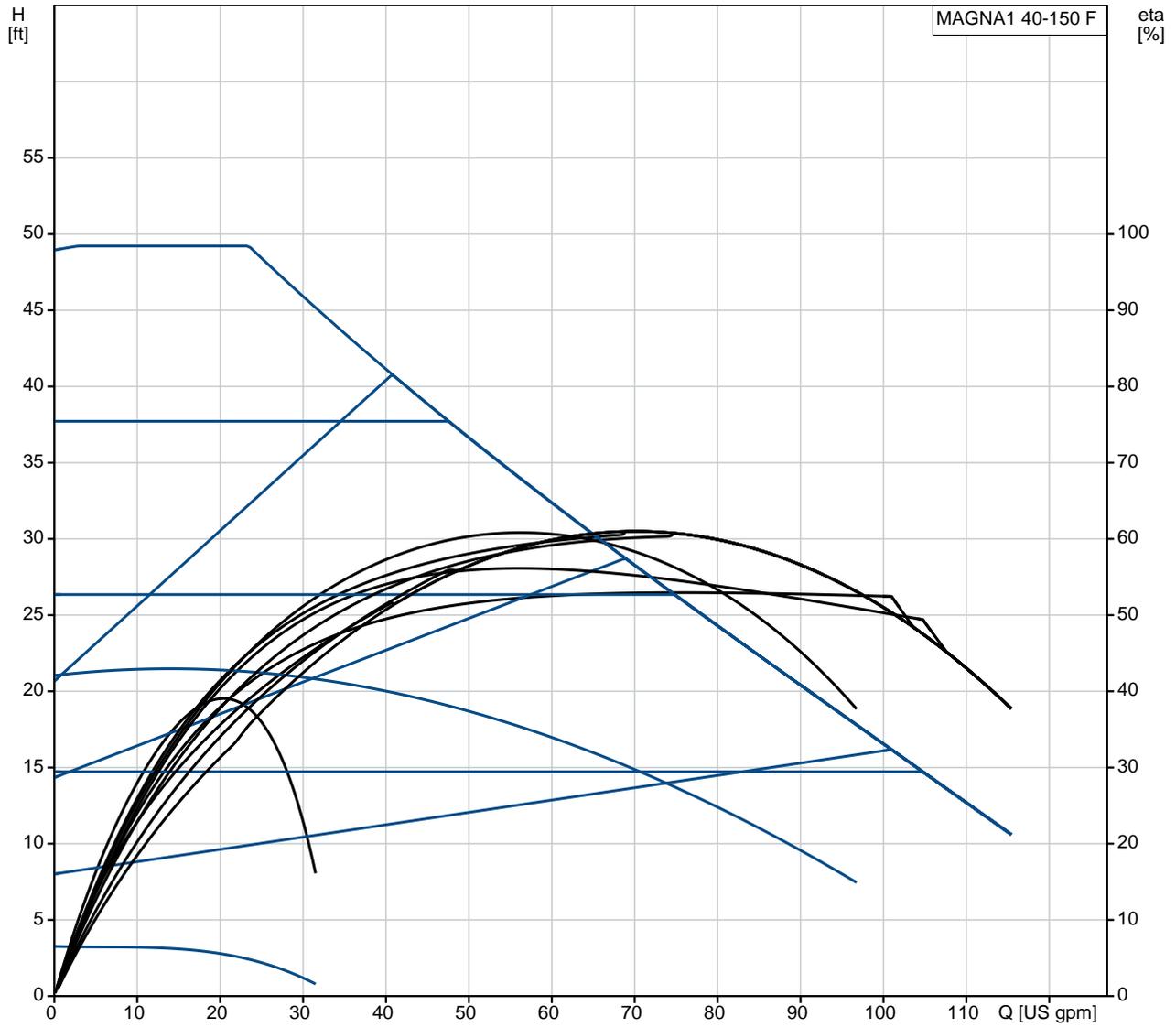
Phone:

Date:

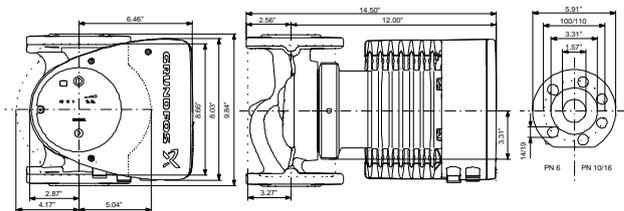
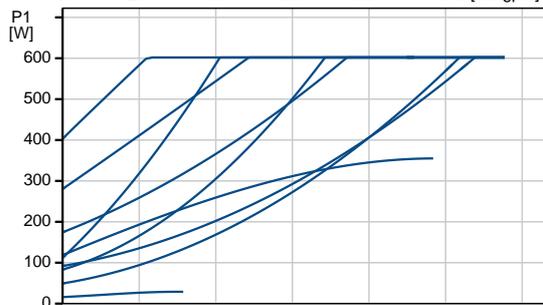
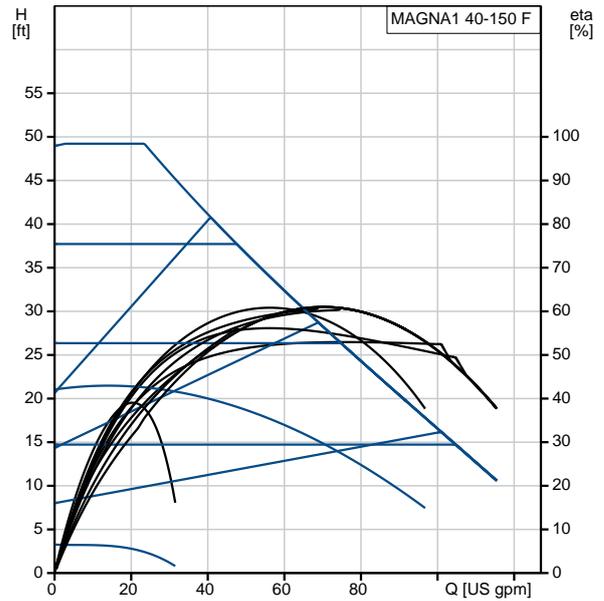
11/11/2020

Count	Description
	Electrical data:
	Power input - P1: 16.01 .. 615 W
	Main frequency: 50 / 60 Hz
	Rated voltage: 1 x 230 V
	Maximum current consumption: 0.18 .. 2.71 A
	Enclosure class (IEC 34-5): X4D
	Insulation class (IEC 85): F
	Others:
	Energy (EEI): 0.20
	Net weight: 35.9 lb
	Gross weight: 38.8 lb
	Shipping volume: 1.38 ft ³
	Finnish LVI No.: 4615191

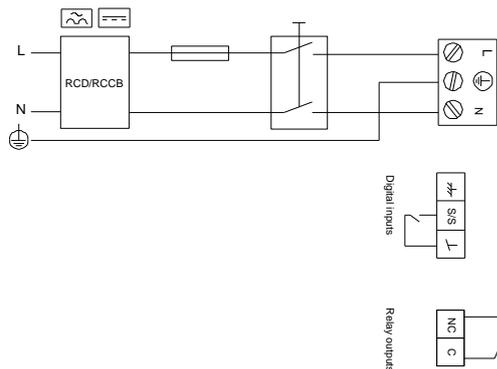
99221306 MAGNA1 40-150 F



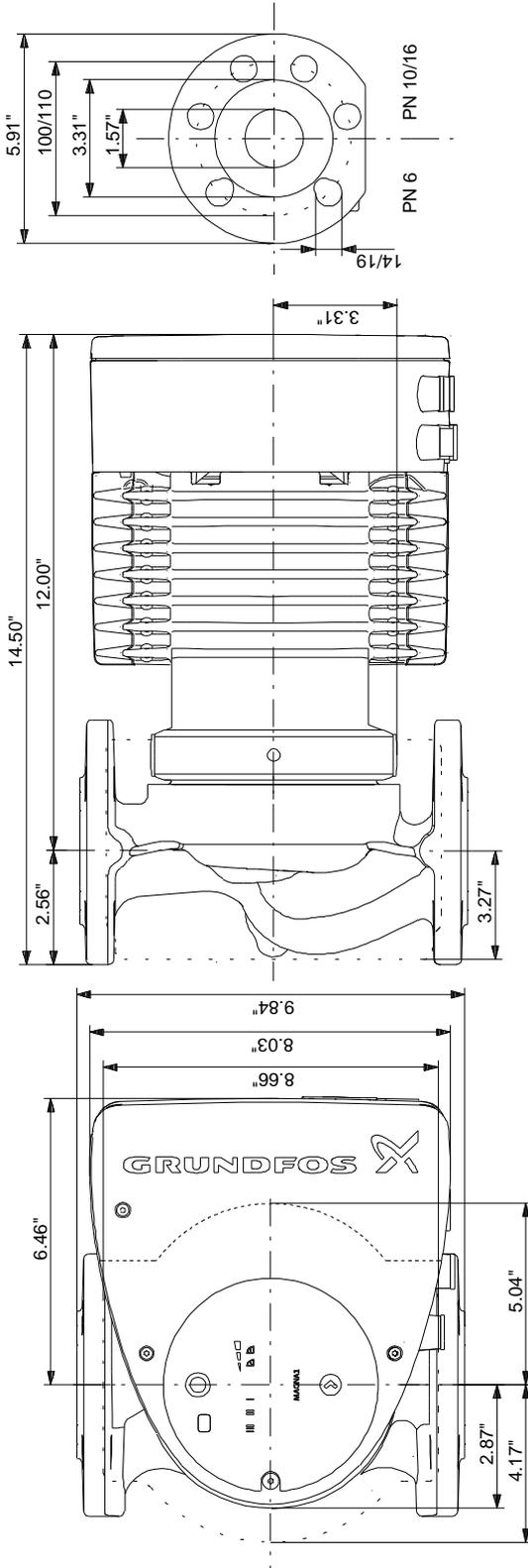
Description	Value
General information:	
Product name:	MAGNA1 40-150 F
Product No.:	99221306
EAN:	5712608942792
Technical:	
Head max:	49.22 ft
TF class:	110
Approvals on nameplate:	CE,VDE,EAC,CN ROHS,WEEE
Model:	C
Materials:	
Pump housing:	Cast iron
Pump housing:	EN-GJL-250
Pump housing:	ASTM A48-250B
Impeller:	PES 30%GF
Installation:	
Range of ambient temperature:	32 .. 104 °F
Maximum operating pressure:	145.04 psi
Flange standard:	DIN
Pipe connection:	DN 40
Pressure stage:	PN 6/10
Port-to-port length:	9 7/8 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:	16.01 .. 615 W
Main frequency:	50 / 60 Hz
Rated voltage:	1 x 230 V
Maximum current consumption:	0.18 .. 2.71 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Others:	
Energy (EEI):	0.20
Net weight:	35.9 lb
Gross weight:	38.8 lb
Shipping volume:	1.38 ft ³
Finnish LVI No.:	4615191



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



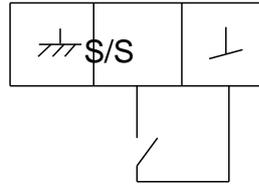
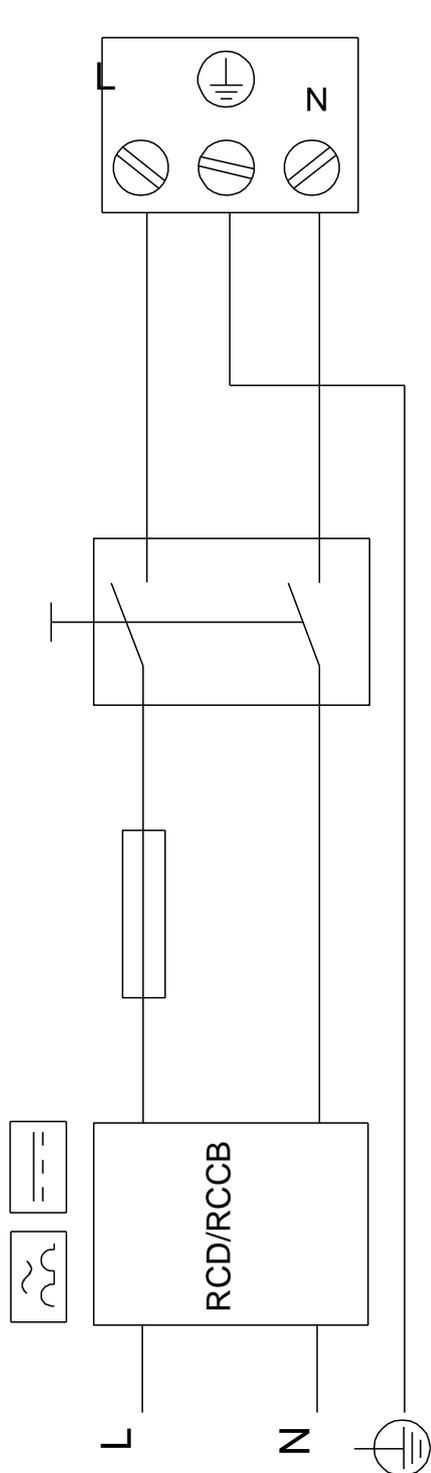
99221306 MAGNA1 40-150 F



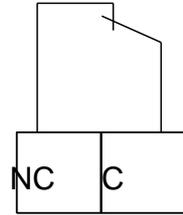
Note! All units are in [in] unless otherwise stated.
 Disclaimer: This simplified dimensional drawing does not show all details.

99221306 MAGNA1 40-150 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.