

**Date:** 24/11/2023

Qty. | Description

1 MAGNA1 50-120 F



Note! Product picture may differ from actual product

Product No.: 99221336

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 basic performance needs in applications where basic system control and monitoring are desired.

With this range of circulator pumps, everything from setup to basic control and monitoring are made easy. The pump is maintenance-free due to the canned-rotor type design.

MAGNA1 offers the possibility of monitoring the pump via the fault relay output. The digital start/stop input remotely controls the pump.

The pump communicates wirelessly with the Grundfos GO Remote app.

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 characterised 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-fibre reinforced, the bearing plate and rotor cladding are made of stainless steel and the stator housing is made of aluminium.

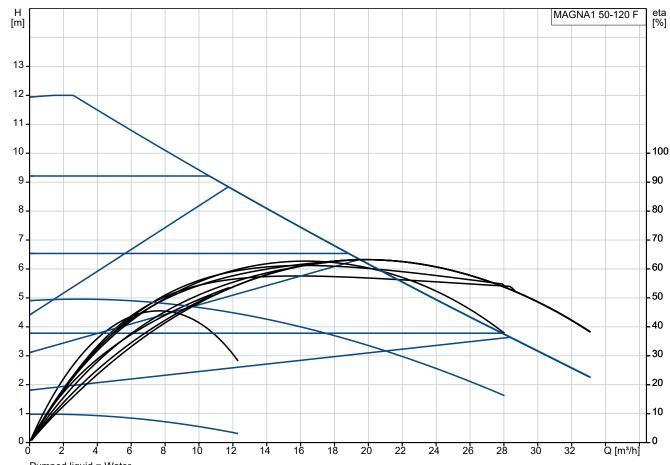
The power electronics are air-cooled.

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

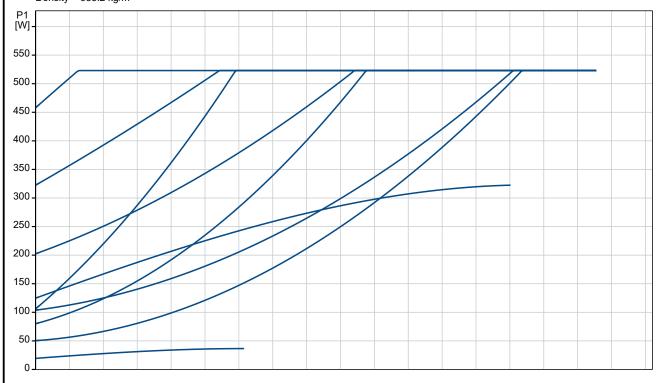


**Date:** 24/11/2023

## 99221336 MAGNA1 50-120 F



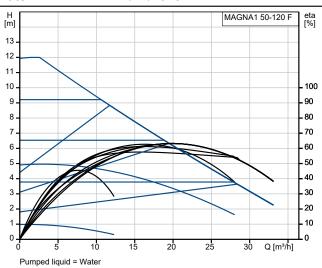
Pumped liquid = Water Liquid temperature during operation = 60 °C Density = 983.2 kg/m³



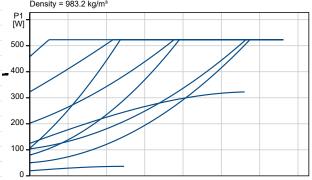


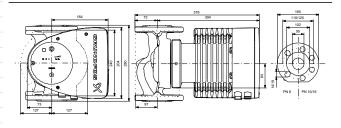
**Date:** 24/11/2023

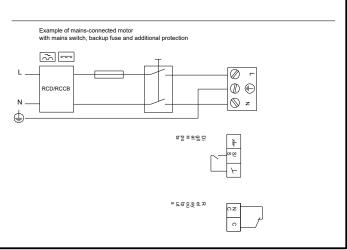
Description         Value           General information:         MAGNA1 50-120 F           Product No:         99221336           EAN number:         5712608943096           Technical:         120 dm           Maximum head:         120 dm           TF class:         110           Approvals:         CE,VDE,EAC,MOROCCO,UKCA, TSE,RCM,UkrSEPRO           Model:         C           Materials:         Pump housing:           Pump housing:         Cast iron           Pump housing:         EN 1561 EN-GJL-250           Pump housing:         ASTM A48-250B           Impeller:         Composite           Installation:         Cast iron           Range of ambient temperature:         0 40 °C           Maximum operating pressure:         10 bar           Type of connection:         DIN           Size of connection:         DN 50           Pressure rating for connection:         PN 6/10           Port-to-port length:         280 mm           Liquid:         Water           Liquid:         Water           Liquid temperature range:         -10 110 °C           Selected liquid temperature:         60 °C           Density:         98		
Product No: 99221336 EAN number: 5712608943096 Technical:  Maximum head: 120 dm TF class: 110 Approvals: CE, VDE, EAC, MOROCCO, UKCA, TSE, RCM, UkrSEPRO  Model: C  Materials: Pump housing: Cast iron Pump housing: EN 1561 EN-GJL-250 Pump housing: ASTM A48-250B Impeller: Composite Installation: Range of ambient temperature: 0 40 °C Maximum operating pressure: 10 bar Type of connection: DIN Size of connection: DN 50 Pressure rating for connection: PN 6/10 Port-to-port length: Water Liquid: Water Liquid temperature range: -10 110 °C Selected liquid temperature: 60 °C Density: 983.2 kg/m³ Electrical data: Maximum power input - P1: 533 W P1 min.: 20.2 W Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Minimum current consumption: 0.22 A Maximum current consumption: 0.22 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F Others: Energy (EEI): 0.20 Net weight: 18 kg Gross weight: 19.9 kg Shipping volume: 0.046 m³ Finnish LVI No.: 4615196		Value
Product No:         99221336           EAN number:         5712608943096           Technical:         120 dm           TF class:         110           Approvals:         CE,VDE,EAC,MOROCCO,UKCA, TSE,RCM,UkrSEPRO           Model:         C           Materials:         Cast iron           Pump housing:         EN 1561 EN-GJL-250           Pump housing:         ASTM A48-250B           Impeller:         Composite           Installation:         Composite           Range of ambient temperature:         0 40 °C           Maximum operating pressure:         10 bar           Type of connection:         DIN           Size of connection:         DN 50           Pressure rating for connection:         PN 6/10           Port-to-port length:         280 mm           Liquid:         Water           Liquid temperature range:         -10 110 °C           Selected liquid temperature:         60 °C           Density:         983.2 kg/m³           Electrical data:         Maximum power input - P1:         533 W           Maximum power input - P1:         533 W           P1 min.:         20.2 W           Maximum current consumption:         2.37 A </td <td>General information:</td> <td></td>	General information:	
EAN number: 5712608943096  Technical:  Maximum head: 120 dm  TF class: 110  Approvals: CE, VDE, EAC, MOROCCO, UKCA, TSE, RCM, UkrSEPRO  Model: C  Materials:  Pump housing: Cast iron  Pump housing: EN 1561 EN-GJL-250  Pump housing: ASTM A48-250B  Impeller: Composite  Installation:  Range of ambient temperature: 0 40 °C  Maximum operating pressure: 10 bar  Type of connection: DIN  Size of connection: DN 50  Pressure rating for connection: PN 6/10  Port-to-port length: 280 mm  Liquid:  Pumped liquid: Water  Liquid temperature range: -10 110 °C  Selected liquid temperature: 60 °C  Density: 983.2 kg/m³  Electrical data:  Maximum power input - P1: 533 W  P1 min: 20.2 W  Mains frequency: 50 / 60 Hz  Rated voltage: 1 x 230 V  Minimum current consumption: 0.22 A  Maximum current consumption: 2.37 A  Enclosure class (IEC 34-5): X4D  Insulation class (IEC 85): F  Others:  Energy (EEI): 0.20  Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 10.00.046 m³  Finnish LVI No.: 4615196		
Technical:  Maximum head: TF class:  Approvals:  CE, VDE, EAC, MOROCCO, UKCA, TSE, RCM, UkrSEPRO  Model:  C Materials:  Pump housing: Pump housing: Pump housing: Pump housing: Pump housing: Pump housing: ASTM A48-250B Impeller: Composite Installation: Range of ambient temperature: Maximum operating pressure: Type of connection: DIN Size of connection: DIN Size of connection: PN 6/10 Port-to-port length: Liquid: Pumped liquid: Liquid temperature: Go °C Density: Belected liquid temperature: Maximum power input - P1: Sala W Mains frequency: Rated voltage: Ty 230 V Minimum current consumption: CHOSE Selection ASTM A48-250B  Maximum power input - P1: COMPOSITE SATE SATE SATE SATE SATE SATE SATE SA	Product No:	99221336
Maximum head:         120 dm           TF class:         110           Approvals:         CE,VDE,EAC,MOROCCO,UKCA, TSE,RCM,UkrSEPRO           Model:         C           Materials:         Pump housing:         Cast iron           Pump housing:         EN 1561 EN-GJL-250           Pump housing:         ASTM A48-250B           Impeller:         Composite           Installation:         Composite           Range of ambient temperature:         0 40 °C           Maximum operating pressure:         10 bar           Type of connection:         DIN           Size of connection:         DN 50           Pressure rating for connection:         PN 6/10           Port-to-port length:         280 mm           Liquid:         Water           Liquid temperature range:         -10 110 °C           Selected liquid temperature:         60 °C           Density:         983.2 kg/m³           Electrical data:         Maximum power input - P1:         533 W           P1 min.:         20.2 W           Mains frequency:         50 / 60 Hz           Rated voltage:         1 x 230 V           Minimum current consumption:         2.37 A           Enclosure class (IEC	EAN number:	5712608943096
Approvals: CE,VDE,EAC,MOROCCO,UKCA, TSE,RCM,UkrSEPRO  Model: C  Materials: Pump housing: Cast iron Pump housing: EN 1561 EN-GJL-250 Pump housing: ASTM A48-250B Impeller: Composite  Installation: Range of ambient temperature: 0 40 °C Maximum operating pressure: 10 bar Type of connection: DIN Size of connection: DN 50 Pressure rating for connection: PN 6/10 Port-to-port length: 280 mm  Liquid: Pumped liquid: Water Liquid temperature range: -10 110 °C Selected liquid temperature: 60 °C Density: 983.2 kg/m³  Electrical data: Maximum power input - P1: 533 W P1 min.: 20.2 W Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Minimum current consumption: 0.22 A Maximum current consumption: 0.22 A Maximum current consumption: 0.22 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F Others: Energy (EEI): 0.20 Net weight: 18 kg Gross weight: 19.9 kg Shipping volume: 0.046 m³ Finnish LVI No.:	Technical:	
Approvals:  CE,VDE,EAC,MOROCCO,UKCA, TSE,RCM,UkrSEPRO  Model:  C  Materials:  Pump housing:  Pump housing:  Pump housing:  Pump housing:  ASTM A48-250B  Impeller:  Composite  Installation:  Range of ambient temperature:  Maximum operating pressure:  Type of connection:  DIN  Size of connection:  PN 6/10  Port-to-port length:  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature:  Maximum power input - P1:  Selected liquid temperature:  Maximum power input - P1:  Sa3 W  P1 min.:  20.2 W  Mains frequency:  Rated voltage:  Naximum current consumption:  DA3 W  Minimum current consumption:  DA4 O °C  Density:  Selected liquid temperature:  D6 °C  Density:  Sa3 W  P1 min.:  20.2 W  Mains frequency:  Rated voltage:  1 x 230 V  Minimum current consumption:  DA4 D  Insulation class (IEC 34-5):  F  Others:  Energy (EEI):  D.20  Net weight:  18 kg  Gross weight:  19.9 kg  Shipping volume:  Finnish LVI No.:  4615196	Maximum head:	120 dm
Model:  Materials: Pump housing: Pump housin	TF class:	110
Materials:Pump housing:Cast ironPump housing:EN 1561 EN-GJL-250Pump housing:ASTM A48-250BImpeller:CompositeInstallation:CompositeRange of ambient temperature:0 40 °CMaximum operating pressure:10 barType of connection:DINSize of connection:DN 50Pressure rating for connection:PN 6/10Port-to-port length:280 mmLiquid:WaterLiquid temperature range:-10 110 °CSelected liquid temperature:60 °CDensity:983.2 kg/m³Electrical data:Maximum power input - P1:533 WP1 min.:20.2 WMains frequency:50 / 60 HzRated voltage:1 x 230 VMinimum current consumption:0.22 AMaximum current consumption:2.37 AEnclosure class (IEC 34-5):X4DInsulation class (IEC 85):FOthers:Energy (EEI):0.20Net weight:18 kgGross weight:19.9 kgShipping volume:0.046 m³Finnish LVI No.:4615196	Approvals:	
Pump housing: Cast iron Pump housing: EN 1561 EN-GJL-250 Pump housing: ASTM A48-250B Impeller: Composite Installation: Range of ambient temperature: 0 40 °C Maximum operating pressure: 10 bar Type of connection: DIN Size of connection: DN 50 Pressure rating for connection: PN 6/10 Port-to-port length: 280 mm  Liquid: Pumped liquid: Water Liquid temperature range: -10 110 °C Selected liquid temperature: 60 °C Density: 983.2 kg/m³  Electrical data: Maximum power input - P1: 533 W P1 min.: 20.2 W Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Minimum current consumption: 0.22 A Maximum current consumption: 2.37 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F Others: Energy (EEI): 0.20 Net weight: 18 kg Gross weight: 19.9 kg Shipping volume: 1.00 in the first incomposite in the first i	Model:	С
Pump housing: EN 1561 EN-GJL-250 Pump housing: ASTM A48-250B Impeller: Composite  Installation: Range of ambient temperature: 0 40 °C Maximum operating pressure: 10 bar Type of connection: DIN Size of connection: PN 6/10 Port-to-port length: 280 mm  Liquid: Pumped liquid: Water Liquid temperature range: -10 110 °C Selected liquid temperature: 60 °C Density: 983.2 kg/m³  Electrical data: Maximum power input - P1: 533 W P1 min.: 20.2 W Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Minimum current consumption: 0.22 A Maximum current consumption: 2.37 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F  Others: Energy (EEI): 0.20 Net weight: 18 kg Gross weight: 19.9 kg Shipping volume: 10.10 on 20 Finnish LVI No.: 4615196	Materials:	
Pump housing: Composite Impeller: Composite Installation: Range of ambient temperature: 0 40 °C Maximum operating pressure: 10 bar Type of connection: DIN Size of connection: DN 50 Pressure rating for connection: PN 6/10 Port-to-port length: 280 mm  Liquid: Pumped liquid: Water Liquid temperature range: -10 110 °C Selected liquid temperature: 60 °C Density: 983.2 kg/m³  Electrical data: Maximum power input - P1: 533 W P1 min.: 20.2 W Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Minimum current consumption: 0.22 A Maximum current consumption: 2.37 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F  Others: Energy (EEI): 0.20 Net weight: 18 kg Gross weight: 19.9 kg Shipping volume: 0.046 m³ Finnish LVI No.: 4615196	Pump housing:	Cast iron
Impeller: Composite  Installation: Range of ambient temperature: 0 40 °C  Maximum operating pressure: 10 bar  Type of connection: DIN  Size of connection: DN 50  Pressure rating for connection: PN 6/10  Port-to-port length: 280 mm  Liquid: Pumped liquid: Water Liquid temperature range: -10 110 °C  Selected liquid temperature: 60 °C  Density: 983.2 kg/m³  Electrical data:  Maximum power input - P1: 533 W  P1 min.: 20.2 W  Mains frequency: 50 / 60 Hz  Rated voltage: 1 x 230 V  Minimum current consumption: 0.22 A  Maximum current consumption: 2.37 A  Enclosure class (IEC 34-5): X4D  Insulation class (IEC 85): F  Others:  Energy (EEI): 0.20  Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 0.046 m³  Finnish LVI No.: 4615196	Pump housing:	EN 1561 EN-GJL-250
Installation:  Range of ambient temperature: 0 40 °C  Maximum operating pressure: 10 bar  Type of connection: DIN  Size of connection: PN 6/10  Pressure rating for connection: PN 6/10  Port-to-port length: 280 mm  Liquid:  Pumped liquid: Water  Liquid temperature range: -10 110 °C  Selected liquid temperature: 60 °C  Density: 983.2 kg/m³  Electrical data:  Maximum power input - P1: 533 W  P1 min.: 20.2 W  Mains frequency: 50 / 60 Hz  Rated voltage: 1 x 230 V  Minimum current consumption: 0.22 A  Maximum current consumption: 2.37 A  Enclosure class (IEC 34-5): X4D  Insulation class (IEC 85): F  Others:  Energy (EEI): 0.20  Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 0.046 m³  Finnish LVI No.: 4615196	Pump housing:	ASTM A48-250B
Range of ambient temperature: 0 40 °C  Maximum operating pressure: 10 bar  Type of connection: DIN  Size of connection: DN 50  Pressure rating for connection: PN 6/10  Port-to-port length: 280 mm  Liquid:  Pumped liquid: Water  Liquid temperature range: -10 110 °C  Selected liquid temperature: 60 °C  Density: 983.2 kg/m³  Electrical data:  Maximum power input - P1: 533 W  P1 min.: 20.2 W  Mains frequency: 50 / 60 Hz  Rated voltage: 1 x 230 V  Minimum current consumption: 0.22 A  Maximum current consumption: 2.37 A  Enclosure class (IEC 34-5): X4D  Insulation class (IEC 35): F  Others:  Energy (EEI): 0.20  Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 10.046 m³  Finnish LVI No.: 4615196	Impeller:	Composite
Maximum operating pressure: 10 bar Type of connection: DIN Size of connection: DN 50 Pressure rating for connection: PN 6/10 Port-to-port length: 280 mm  Liquid: Pumped liquid: Water Liquid temperature range: -10 110 °C Selected liquid temperature: 60 °C Density: 983.2 kg/m³  Electrical data: Maximum power input - P1: 533 W P1 min.: 20.2 W Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Minimum current consumption: 0.22 A Maximum current consumption: 2.37 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F  Others: Energy (EEI): 0.20 Net weight: 18 kg Gross weight: 19.9 kg Shipping volume: 0.046 m³ Finnish LVI No.: 4615196	Installation:	
Type of connection:  Size of connection:  Pressure rating for connection:  Port-to-port length:  Liquid:  Pumped liquid:  Liquid temperature range:  Selected liquid temperature:  Density:  Belectrical data:  Maximum power input - P1:  Mains frequency:  Rated voltage:  Maximum current consumption:  Maximum current consumption:  Enclosure class (IEC 34-5):  Insulation class (IEC 85):  Cothers:  Energy (EEI):  Net weight:  Size of connection:  DN 50  PN 6/10  PN 6/10  PN 6/10  Po 6/10  Po 7  Selected liquid temperature:  60 °C  Density:  983.2 kg/m³  Electrical data:  Maximum power input - P1:  533 W  P1 min.:  20.2 W  Mains frequency:  50 / 60 Hz  Rated voltage:  1 x 230 V  Minimum current consumption:  2.37 A  Enclosure class (IEC 34-5):  Insulation class (IEC 85):  F  Others:  Energy (EEI):  Net weight:  18 kg  Gross weight:  19.9 kg  Shipping volume:  Finnish LVI No.:  4615196	Range of ambient temperature:	0 40 °C
Size of connection:  Pressure rating for connection: Port-to-port length:  Pumped liquid:  Liquid temperature range: Liquid temperature:  Belectrical data:  Maximum power input - P1:  Mains frequency:  Rated voltage:  Maximum current consumption:  Maximum current consumption:  Enclosure class (IEC 34-5): Insulation class (IEC 85):  Cothers:  Energy (EEI):  Net weight:  Shipping volume:  Finnish LVI No.:  PN 6/10	Maximum operating pressure:	10 bar
Pressure rating for connection: PN 6/10 Port-to-port length: 280 mm  Liquid: Water Liquid temperature range: -10 110 °C Selected liquid temperature: 60 °C Density: 983.2 kg/m³  Electrical data:  Maximum power input - P1: 533 W P1 min.: 20.2 W  Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V  Minimum current consumption: 0.22 A  Maximum current consumption: 2.37 A  Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F  Others: Energy (EEI): 0.20  Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 0.046 m³  Finnish LVI No.: 4615196	Type of connection:	DIN
Port-to-port length: 280 mm  Liquid: Pumped liquid: Water Liquid temperature range: -10 110 °C Selected liquid temperature: 60 °C Density: 983.2 kg/m³  Electrical data:  Maximum power input - P1: 533 W P1 min.: 20.2 W  Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V  Minimum current consumption: 0.22 A  Maximum current consumption: 2.37 A  Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F  Others: Energy (EEI): 0.20  Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 0.046 m³  Finnish LVI No.: 4615196	Size of connection:	DN 50
Liquid: Pumped liquid: Vater Liquid temperature range: -10 110 °C Selected liquid temperature: 60 °C Density: 983.2 kg/m³ Electrical data: Maximum power input - P1: 533 W P1 min.: 20.2 W Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Minimum current consumption: 0.22 A Maximum current consumption: 2.37 A Enclosure class (IEC 34-5): Insulation class (IEC 85): F Others: Energy (EEI): Net weight: 18 kg Gross weight: 19.9 kg Shipping volume: Finnish LVI No.: 4615196	Pressure rating for connection:	PN 6/10
Pumped liquid: Water Liquid temperature range: -10 110 °C Selected liquid temperature: 60 °C Density: 983.2 kg/m³  Electrical data:  Maximum power input - P1: 533 W P1 min.: 20.2 W Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Minimum current consumption: 0.22 A Maximum current consumption: 2.37 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F  Others: Energy (EEI): 0.20 Net weight: 18 kg Gross weight: 19.9 kg Shipping volume: 0.046 m³ Finnish LVI No.: 4615196	Port-to-port length:	280 mm
Liquid temperature range: -10 110 °C  Selected liquid temperature: 60 °C  Density: 983.2 kg/m³  Electrical data:  Maximum power input - P1: 533 W  P1 min.: 20.2 W  Mains frequency: 50 / 60 Hz  Rated voltage: 1 x 230 V  Minimum current consumption: 0.22 A  Maximum current consumption: 2.37 A  Enclosure class (IEC 34-5): X4D  Insulation class (IEC 85): F  Others:  Energy (EEI): 0.20  Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 0.046 m³  Finnish LVI No.: 4615196	Liquid:	
Selected liquid temperature: 60 °C  Density: 983.2 kg/m³  Electrical data:  Maximum power input - P1: 533 W  P1 min.: 20.2 W  Mains frequency: 50 / 60 Hz  Rated voltage: 1 x 230 V  Minimum current consumption: 0.22 A  Maximum current consumption: 2.37 A  Enclosure class (IEC 34-5): X4D  Insulation class (IEC 85): F  Others:  Energy (EEI): 0.20  Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 0.046 m³  Finnish LVI No.: 4615196	Pumped liquid:	Water
Density:         983.2 kg/m³           Electrical data:         Maximum power input - P1:         533 W           P1 min.:         20.2 W           Mains frequency:         50 / 60 Hz           Rated voltage:         1 x 230 V           Minimum current consumption:         0.22 A           Maximum current consumption:         2.37 A           Enclosure class (IEC 34-5):         X4D           Insulation class (IEC 85):         F           Others:         Energy (EEI):         0.20           Net weight:         18 kg           Gross weight:         19.9 kg           Shipping volume:         0.046 m³           Finnish LVI No.:         4615196	Liquid temperature range:	-10 110 °C
Electrical data:  Maximum power input - P1: 533 W P1 min.: 20.2 W Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Minimum current consumption: 0.22 A Maximum current consumption: 2.37 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F  Others: Energy (EEI): 0.20 Net weight: 18 kg Gross weight: 19.9 kg Shipping volume: 0.046 m³ Finnish LVI No.: 4615196	Selected liquid temperature:	60 °C
Electrical data:  Maximum power input - P1: 533 W P1 min.: 20.2 W Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Minimum current consumption: 0.22 A Maximum current consumption: 2.37 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F  Others: Energy (EEI): 0.20 Net weight: 18 kg Gross weight: 19.9 kg Shipping volume: 0.046 m³ Finnish LVI No.: 4615196	Density:	983.2 kg/m³
P1 min.:	Electrical data:	-
Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Minimum current consumption: 0.22 A Maximum current consumption: 2.37 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F  Others: Energy (EEI): 0.20 Net weight: 18 kg Gross weight: 19.9 kg Shipping volume: 0.046 m³ Finnish LVI No.: 4615196	Maximum power input - P1:	533 W
Rated voltage: 1 x 230 V  Minimum current consumption: 0.22 A  Maximum current consumption: 2.37 A  Enclosure class (IEC 34-5): X4D  Insulation class (IEC 85): F  Others:  Energy (EEI): 0.20  Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 0.046 m³  Finnish LVI No.: 4615196	P1 min.:	20.2 W
Rated voltage: 1 x 230 V  Minimum current consumption: 0.22 A  Maximum current consumption: 2.37 A  Enclosure class (IEC 34-5): X4D  Insulation class (IEC 85): F  Others:  Energy (EEI): 0.20  Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 0.046 m³  Finnish LVI No.: 4615196	Mains frequency:	50 / 60 Hz
Maximum current consumption: 2.37 A  Enclosure class (IEC 34-5): X4D  Insulation class (IEC 85): F  Others:  Energy (EEI): 0.20  Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 0.046 m³  Finnish LVI No.: 4615196		1 x 230 V
Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F  Others: Energy (EEI): 0.20 Net weight: 18 kg Gross weight: 19.9 kg Shipping volume: 0.046 m³ Finnish LVI No.: 4615196	Minimum current consumption:	0.22 A
Insulation class (IEC 85): F  Others:  Energy (EEI): 0.20  Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 0.046 m³  Finnish LVI No.: 4615196	Maximum current consumption:	2.37 A
Others:           Energy (EEI):         0.20           Net weight:         18 kg           Gross weight:         19.9 kg           Shipping volume:         0.046 m³           Finnish LVI No.:         4615196	Enclosure class (IEC 34-5):	X4D
Others:           Energy (EEI):         0.20           Net weight:         18 kg           Gross weight:         19.9 kg           Shipping volume:         0.046 m³           Finnish LVI No.:         4615196	Insulation class (IEC 85):	F
Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 0.046 m³  Finnish LVI No.: 4615196		
Net weight: 18 kg  Gross weight: 19.9 kg  Shipping volume: 0.046 m³  Finnish LVI No.: 4615196	Energy (EEI):	0.20
Gross weight:         19.9 kg           Shipping volume:         0.046 m³           Finnish LVI No.:         4615196		18 kg
Shipping volume: 0.046 m³ Finnish LVI No.: 4615196		
Finnish LVI No.: 4615196	_	
Environmental approvals: CN ROHS,WEEE	•	4615196
		CN ROHS,WEEE



Pumped liquid = Water Liquid temperature during operation = 60 °C Density = 983.2 kg/m³



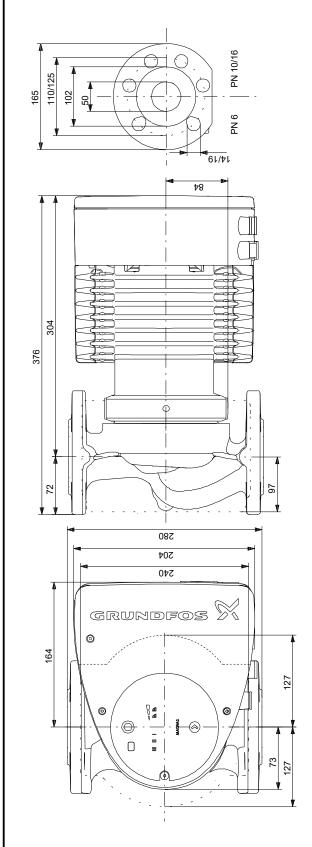






24/11/2023 Date:

## 99221336 MAGNA1 50-120 F



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