

Submittal Data

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

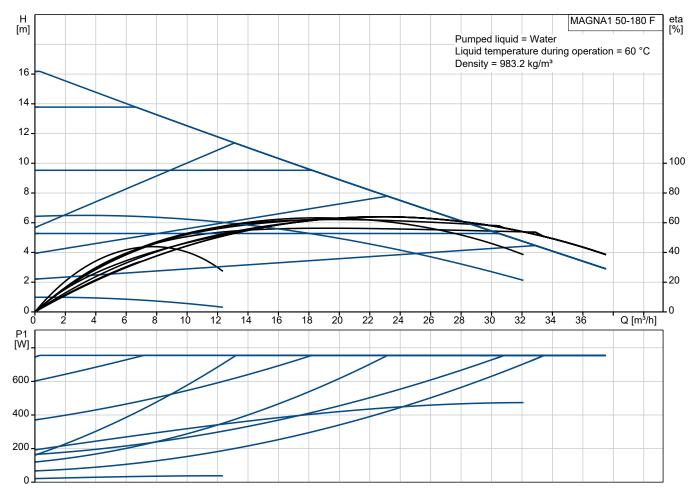


MAGNA1 50-180 F

The Grundfos MAGNA1 circulator pump is ideal for basic performance needs in heating and cooling applications. The pump offers basic system control and monitoring and can communicate via a fault relay and digital start/stop.

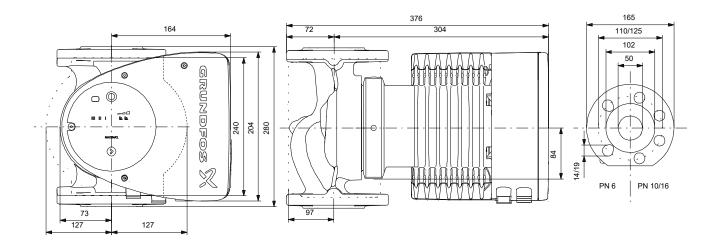
Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data		
Liquid:	Water	Maximum operating pressure:	10 bar	P1 max:	22.13 769 W	
Temperature:	60 °C	Liquid temperature range:	-10 110 °C	Mains frequency:	50 / 60 Hz	
Specific Gravity:	0.985	Maximum ambient temperature:	40 °C	Enclosure class:	X4D	
		Flange standard:	DIN	Insulation class:	F	
		Pipe connection:	DN 50			
		Product number:	On request			



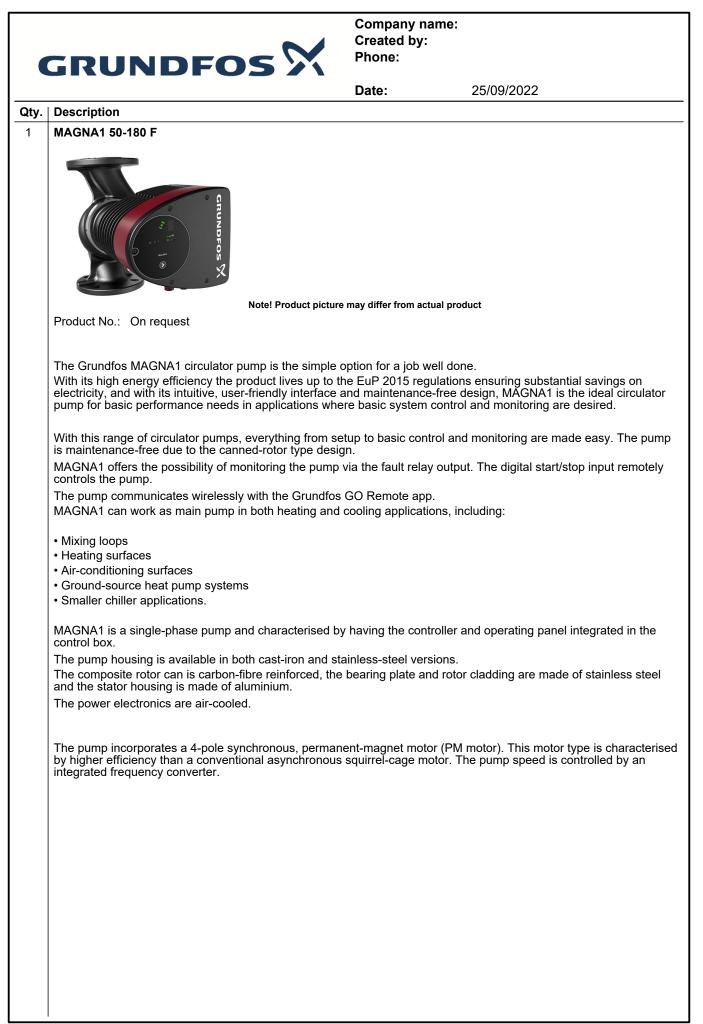
Submittal Data

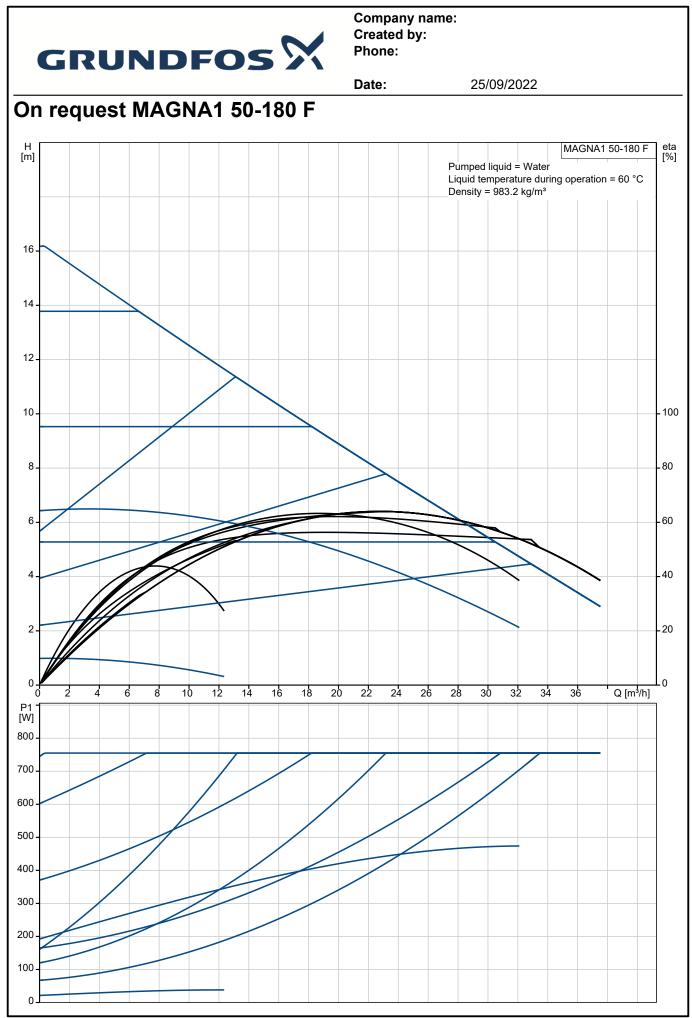




Materials:

Pump housing:	Cast iron
Pump housing:	EN-GJL-250
Pump housing:	ASTM A48-250B
Impeller:	PES 30%GF

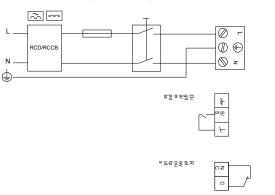




Printed from Grundfos Product Centre [2022.40.012]



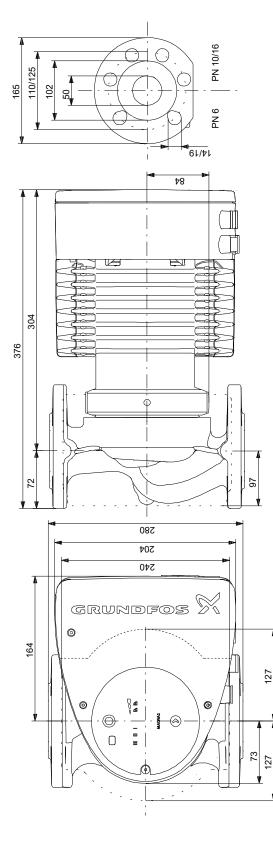
		н	MAGNA1 50-180 F
Description	Value	[m]	Pumped liquid = Water
General information:		_	Liquid temperature during operation = 60 °C
Product name:	MAGNA1 50-180 F		Density = 983.2 kg/m ³
Product No:	On request	16	
EAN number:	On request		
Technical:		14	× · · · · · · · · · · · · · · · · · · ·
Head max:	180 dm	-	
TF class:	110	12 -	
Approvals:	CE,VDE,EAC,MOROCCO,UKCA, TSERCM,UkrSEPRO	10 -	
Model:	С	_	
Materials:		8	\rightarrow
Pump housing:	Cast iron		
Pump housing:	EN-GJL-250	6-	
Pump housing:	ASTM A48-250B		
Impeller:	PES 30%GF		
Installation:			
Range of ambient temperature:	0 40 °C	2	
Maximum operating pressure:	10 bar		
Flange standard:	DIN	0 5	10 15 20 25 30 35 Q [m³/h]
Pipe connection:	DN 50	P1 - [W]	
Pressure rating:	PN 6/10		
Port-to-port length:	280 mm	700	
	200 11111	600	
Liquid:	10/-+	500 -	
Pumped liquid:	Water	400	
Liquid temperature range:	-10 110 °C	300	
Selected liquid temperature:	60 °C	200	
Density:	983.2 kg/m³		
Electrical data:		100	
Power input - P1:	22.13 769 W	0	
Mains frequency:	50 / 60 Hz		376 165
Rated voltage [V]:	1 x 230 V		
Maximum current consumption:	0.24 3.4 A		
Enclosure class (IEC 34-5):	X4D		
Insulation class (IEC 85):	F		
Others:			
Energy (EEI):	0.20		
Environmental approvals:	CN ROHS,WEEE	127 127	
Net weight:	18.8 kg		
Gross weight:	20.7 kg		
Shipping volume:	0.046 m ³		
Finnish LVI No.:	4615198		
Country of origin:	DE		
Custom tariff no.:	84137030		
			ns-connected motor
			h, backup fuse and additional protection
		~~ 	–



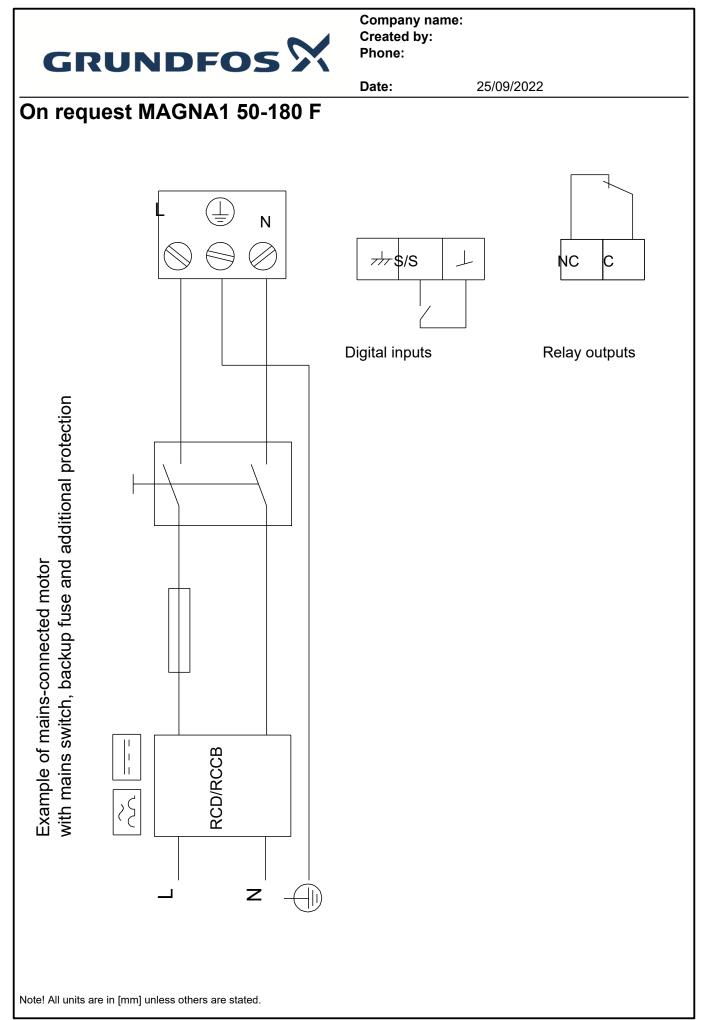


Date:

On request MAGNA1 50-180 F



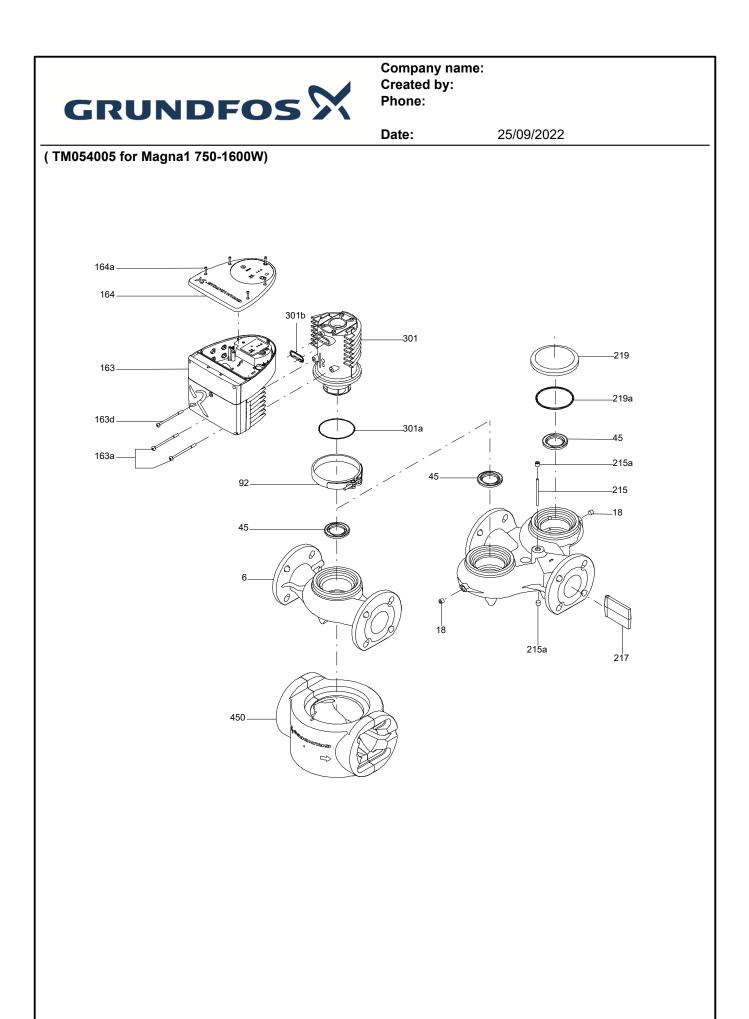
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details. 25/09/2022





Company name: Created by:

		FOS X Pho Date	e: 2	25/09/2022	
Order Data:					
Position	Your pos.	Product name	Amount	Product No	Total
		MAGNA1 50-180 F	1	On request	Price or reques

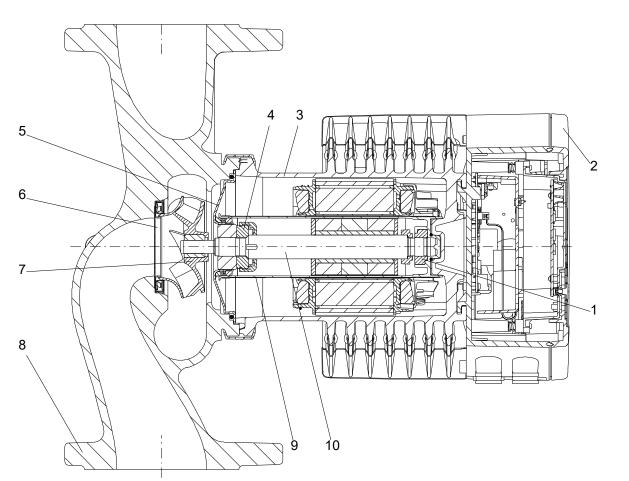




Date:

25/09/2022

(TM069997 Magna1 ME/LA model C)





25/09/2022

Spare parts MAGNA1 50-180 F, Product No. On request Produced After 1731 (production year and week number)

Pos	Description	Annotation	Classification Data	Part no.	Qty	. Unit
	Kit, Control box configured			99426896	1	pcs
	Kit, control box non-configured			992804	145	1
	Control box cpl.					
	Control box					
159c	Pan washer head screw					
164a	Screw DELTA PT					
164	Cover					
163	Control box					
163d	Pan head screw					
163a	Pan head screw					
301b	Protector					
	GSC					1
	Kit, Cover			99280465	1	pcs
164a	Screw DELTA PT					5
164	Cover					1
	Kit, Pump head			98148747	1	pcs
92	Clamp cpl.					1
301	Pump head					1
	Stator w/housing cpl.					
301	Stator housing					
303	Rotor can cpl.					
304	Shaft w/impeller cpl.					
~~ /	Bearing plate cpl.					
301a	O-ring			00440750		
~~~	Spare, Clamp			98148759	1	pcs
92	Clamp cpl.			00440704		1
204 -	Spare, O-ring			98148761	1	pcs
301a	O-ring			00000050	4	1
	Pump housing cpl.			98660056	1	pcs
450	Insulation			98159367	1	pcs