

# Submittal Data

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

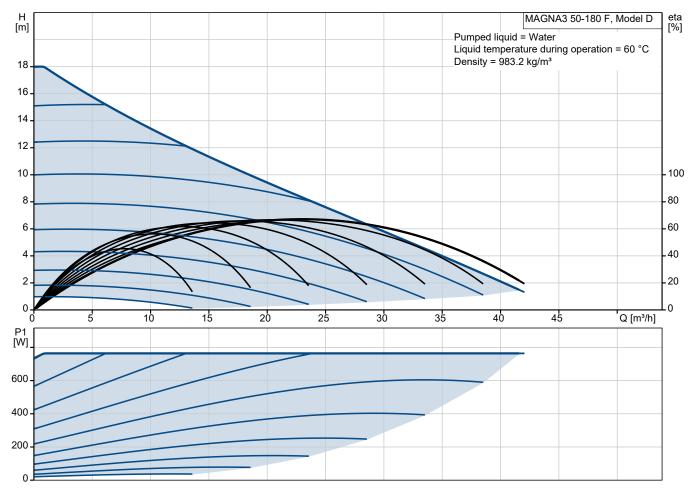


Note! Product picture may differ from actual product

## MAGNA3 50-180 F

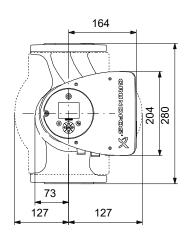
The Grundfos MAGNA3 circulator pump is the premium choice when system control and monitoring is key. MAGNA3 supports fieldbus by optional CIM modules and has a TFT display for intuitive configuration of the intelligent features. The MAGNA3 is sure to match your application, whether for heating or cooling.

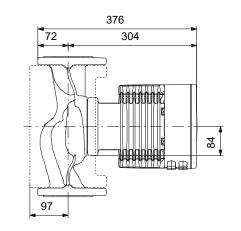
Conditions of Service		Pump Data		Motor Data			
Liquid: Temperature: Specific Gravity:	Water 60 °C 0.985	Maximum operating pressure: Liquid temperature range: Maximum ambient temperature: Flange standard: Pipe connection: Product number:	10 bar -10 110 °C 40 °C DIN DN 50 On request	P1 max: Mains frequency: Enclosure class: Insulation class:	23 764 W 50 / 60 Hz X4D F		

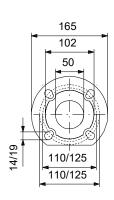






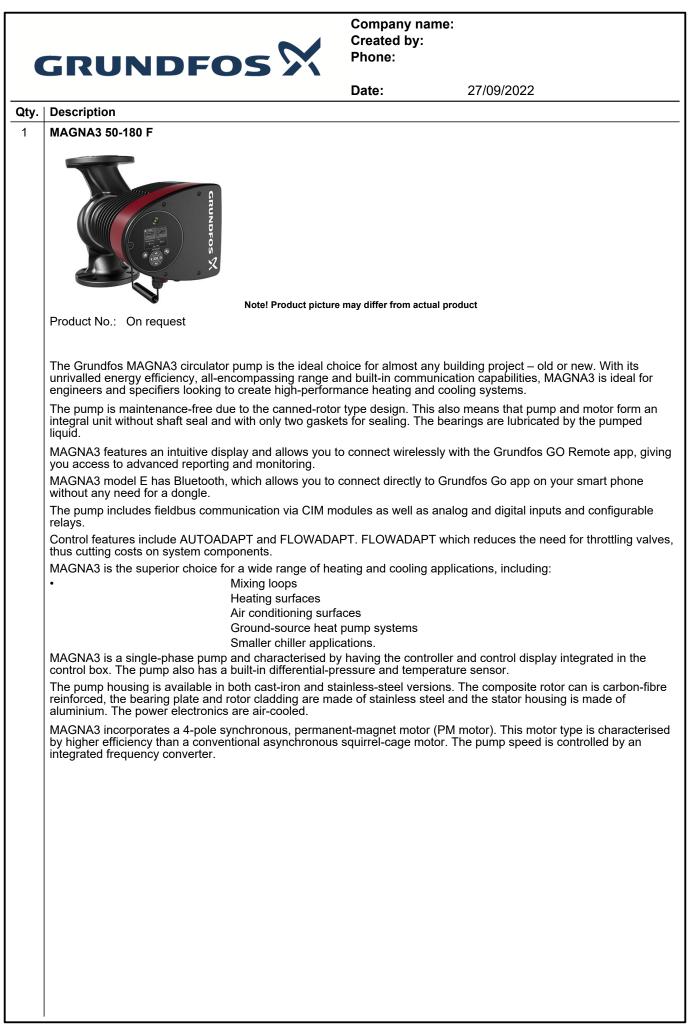






#### Materials:

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

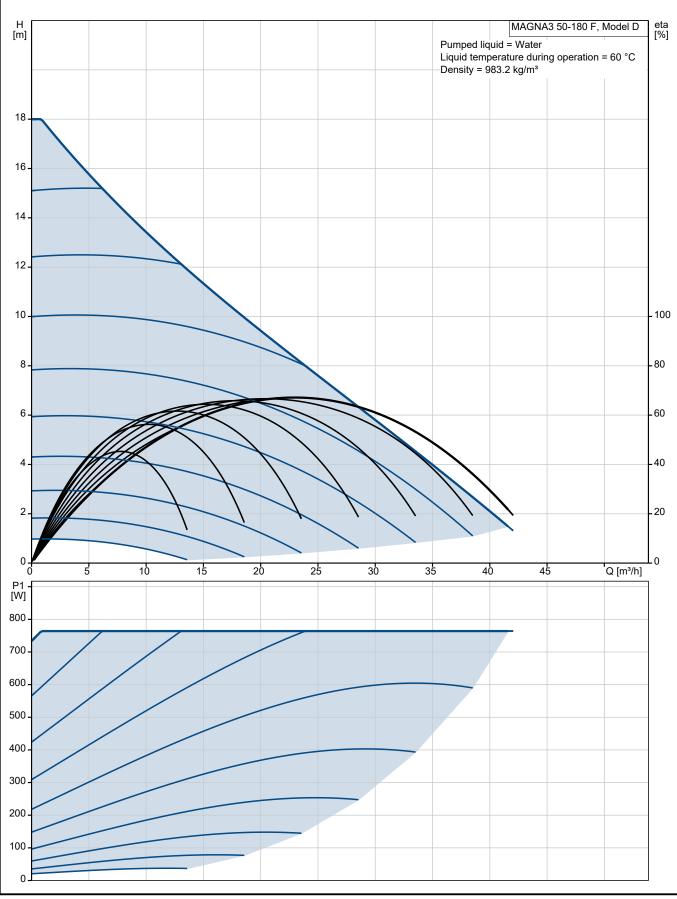




Date:

27/09/2022

# On request MAGNA3 50-180 F



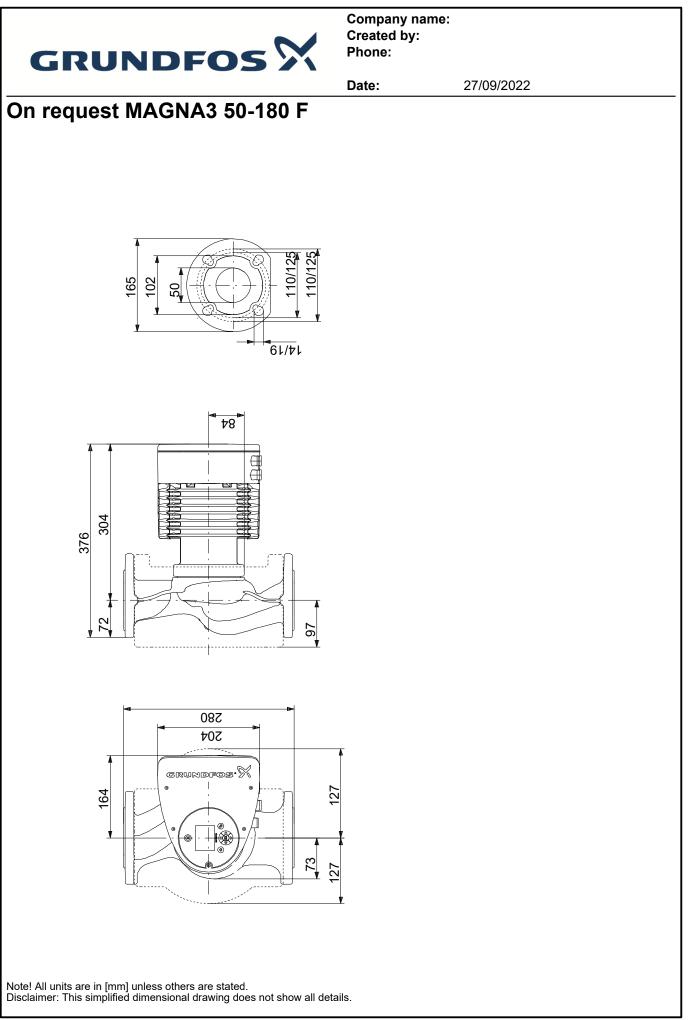
Printed from Grundfos Product Centre [2022.41.006]

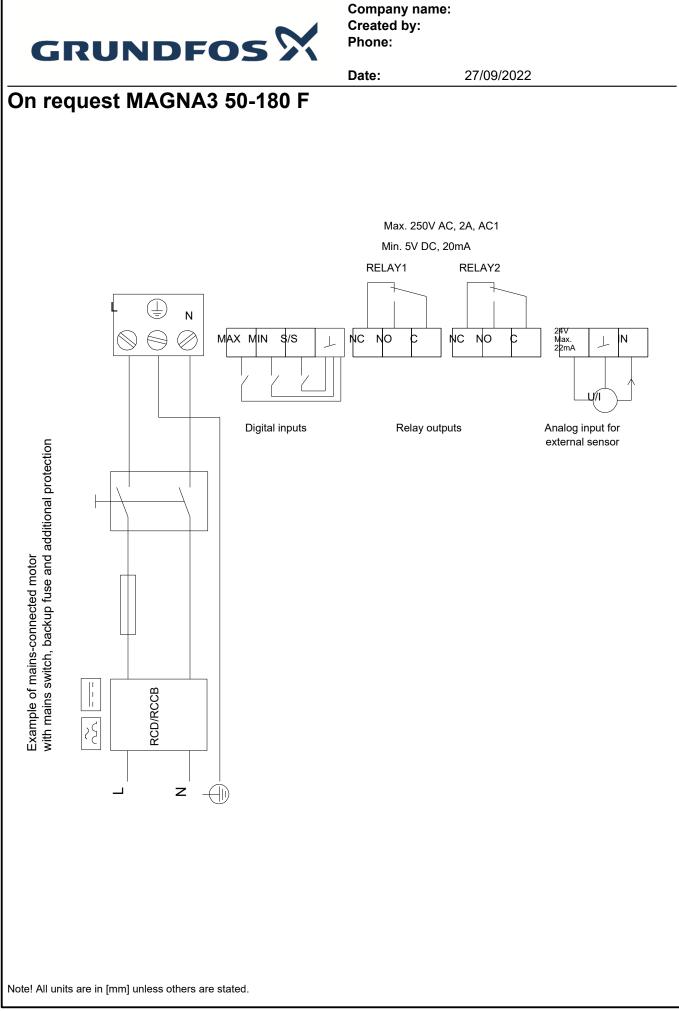


		<b>Date:</b> 27/09/2022
Description	Value	H [m] MAGNA3 50-180 F, Model D
General information:	- Tuluo	Pumped liquid = Water Liquid temperature during operation = 60 °C
Product name:	MAGNA3 50-180 F	Density = 983.2 kg/m <sup>3</sup>
Product No:	On request	
EAN number:	On request	16
Technical:	· · · · · · · · · · · · · · · · · · ·	
Rated flow:	21.88 m³/h	14
Rated head:	8.733 m	
Head max:	180 dm	12
TF class:	110	
Approvals:	CE,VDE,EAC,MOROCCO,UKCA, TSERCM,UkrSEPRO	
Model:	D	
Materials:		6-
Pump housing:	Cast iron	
Pump housing:	EN-GJL-250	4-
Pump housing:	ASTM A48-250B	
Impeller:	PES 30%GF	
Installation:		
Range of ambient temperature:	0 40 °C	° d 5 10 15 20 25 30 35 40 45 Q[m²/h] P1 -
Maximum operating pressure:	10 bar	[M]
Flange standard:	DIN	700
Pipe connection:	DN 50	
Pressure rating:	PN 6/10	600 -
Port-to-port length:	280 mm	
Liquid:		- 400
Pumped liquid:	Water	300
Liquid temperature range:	-10 110 °C	200
Selected liquid temperature:	60 °C	100
Density:	983.2 kg/m³	0
Electrical data:		·
Power input - P1:	23 764 W	
Mains frequency:	50 / 60 Hz	
Rated voltage [V]:	1 x 230 V	
Maximum current consumption:	0.24 3.45 A	
Enclosure class (IEC 34-5):	X4D	
Insulation class (IEC 85):	F	
Others:		73 97 97 110/125 110/125
Energy (EEI):	0.18	
Environmental approvals:	CN ROHS,WEEE	
Net weight:	18.9 kg	
Gross weight:	20.8 kg	
Shipping volume:	0.046 m³	
Danish VVS No.:	380953518	
Swedish RSK No.:	5732498	
Finnish LVI No.:	4615157	Evennik of mains-vonseded motor
Norwegian NRF no.:	9042677	Example of mains-connected motor with mains switch, backup fuse and additional protection
Country of origin:	DE	
Custom tariff no .:	84139100	
		201 201 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1

eta [%]

- 100 - 80 - 60 40 20 - 0



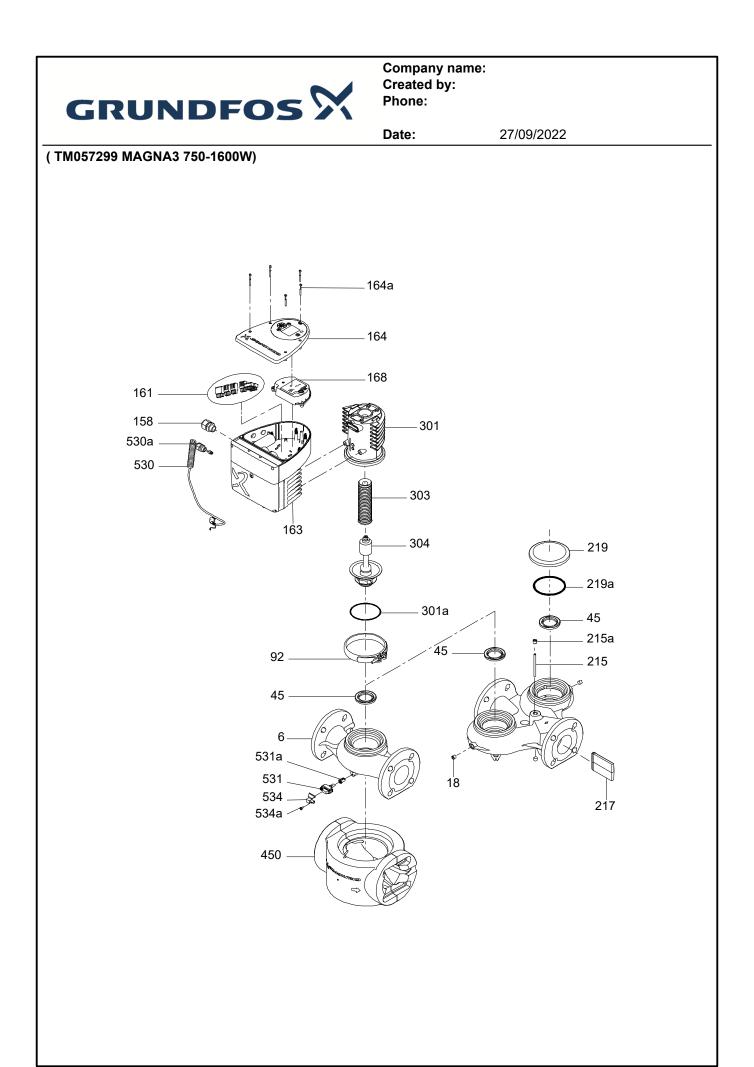




Position

Company name: Created by:

Phone: Date: 27/09/2022 **Order Data:** Your pos. **Product name** Amount **Product No** Total MAGNA3 50-180 F 1 On request Price on request





27/09/2022

### Spare parts MAGNA3 50-180 F, Product No. On request Produced After 1732 (production year and week number)

Pos	Description	Annotation	Classification Data	Part no.	Qty	
	Kit, Connector plugs			98357861	1	рс
161	Plug cpl.					1
159b	Connector plug 4-pole					
159b	Connector plug 3-pole					
159b	Connector plug 3-pole					
	Kit, Cont. box cover front end			99341976	1	рс
164a	Screw DELTA PT					5
164	Cover					1
101	Kit, Control box configured			99333704	1	pc
	Kit, control box non-configured			988595		1
	Control box cpl.			000000	00	•
	Control box					
	Box					
530	Cable					
164 501	Cover Display/beard and					
501	Displayboard cpl.					
400	Displayboard cpl.					
168	Displayboard, SMD					
163	Control box					
531	Sensor					
531a	Sealing cap					
	GSC					1
	Kit, Displayboard			99338995	1	рс
163b	Compression spring					4
164a	Screw DELTA PT					5
164	Cover					1
501	Displayboard cpl.					1
	Displayboard cpl.					
168	Displayboard, SMD					
	Kit, Pump head			98148747	1	рс
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					
	Kit, Sensor			99313067	1	рс
530	Cable					1
531	Sensor					1
531a	Sealing cap					
534a	Pan head thread forming screw					1
534	Bracket					1
	Kit, Sensor			99313072	1	pc
530	Cable					10
531	Sensor					10
531a	Sealing cap					
0014	Spare, Clamp			98148759	1	n-
92				30140709	I	рс 1
92	Clamp cpl.			00140704	1	
204 -	Spare, O-ring			98148761	1	pc
301a	O-ring					1
	Spare, Sealing cap			98613455	1	рс



			Date	: 27/	09/2022		
Po	os	Description	Annotation	<b>Classification Data</b>	Part no.	Qty.	Unit
53	31a	Sealing cap				1	
+		Pump housing cpl.			98660064	1	pcs
30	)1a	O-ring			92780122	1	pcs
30	)1a	O-ring			98660099	1	pcs
45	50	Insulation			98159367	1	pcs
53	31a	Sealing cap			98708139	1	pcs