

Submittal Data

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

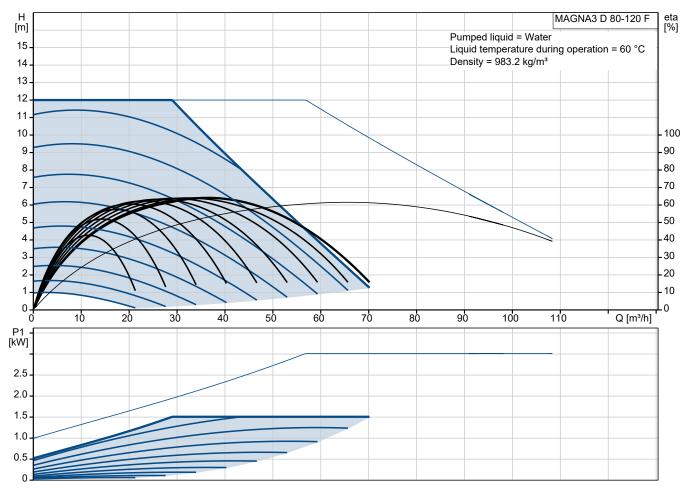


MAGNA3 D 80-120 F

The MAGNA3 D circulator pump means double the performance and reduced downtime due to the three multipump modes: Alternating, backup and cascade operation. The two pumps communicate wirelessly. The MAGNA3 D is ideal for high-performance heating and cooling applications.

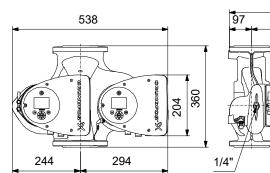
Note! Product picture may differ from actual product

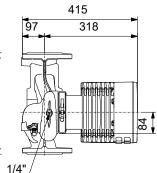
Conditions of Service		Pump Data		Motor Data		
Liquid: Temperature: Specific Gravity:	Water 60 °C 0.985	Maximum operating pressure: Liquid temperature range: Maximum ambient temperature: Flange standard: Pipe connection: Product number:	6 bar -10 110 °C 40 °C DIN DN 80 On request	P1 max: Mains frequency: Enclosure class: Insulation class:	32 1508 W 50 / 60 Hz X4D F	

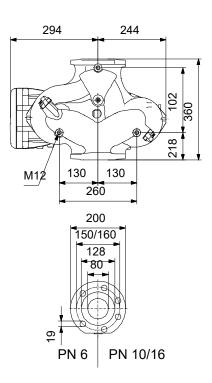




Submittal Data

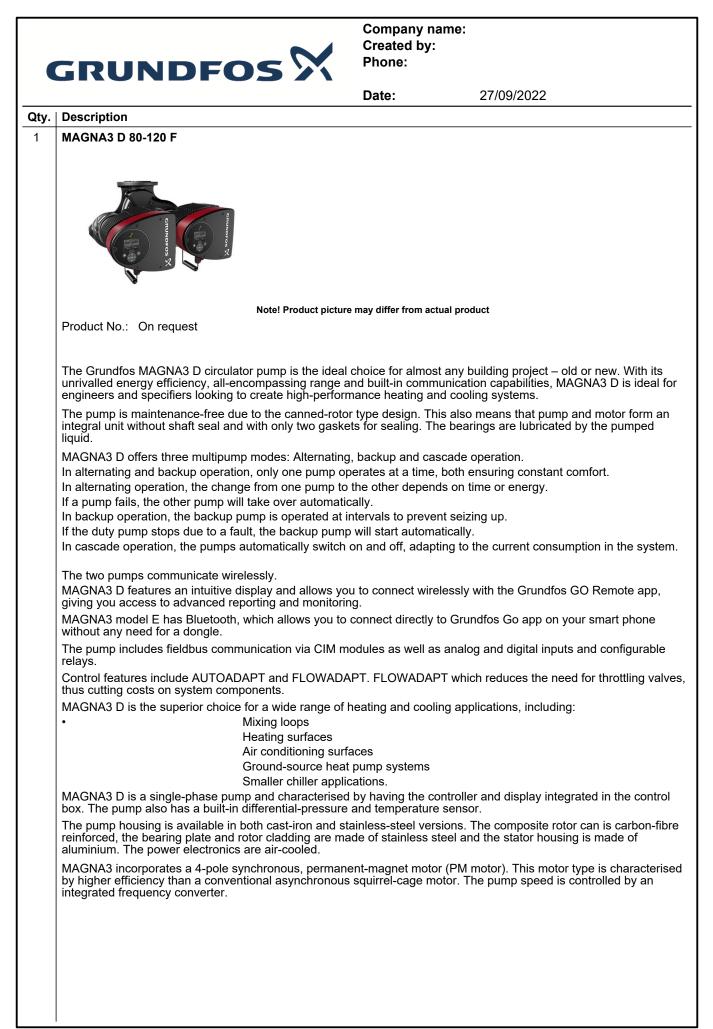






Materials:

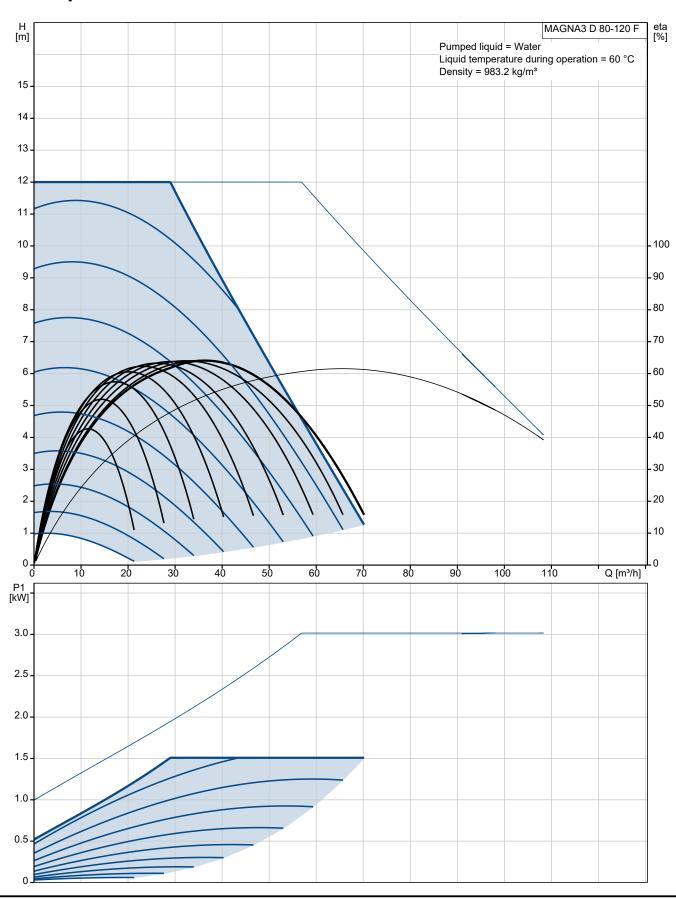
Pump housing:	Cast iron
Pump housing:	EN-GJL-250
Pump housing:	ASTM A48-250B
Impeller:	PES 30%GF





27/09/2022

On request MAGNA3 D 80-120 F





eta [%]

100 - 90

80

70 - 60

- 50

40

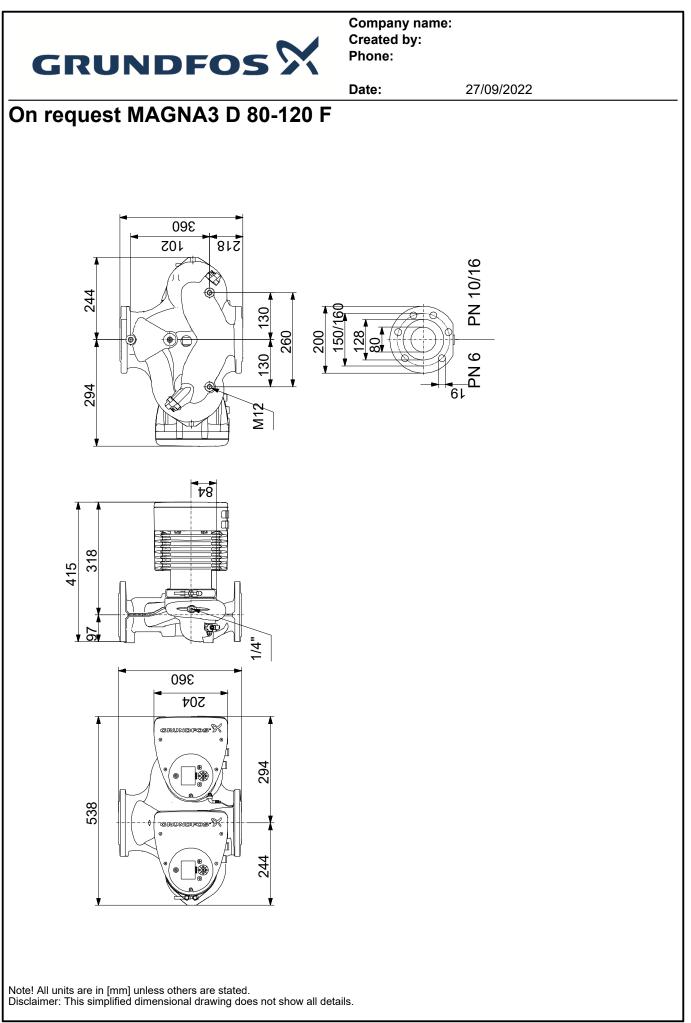
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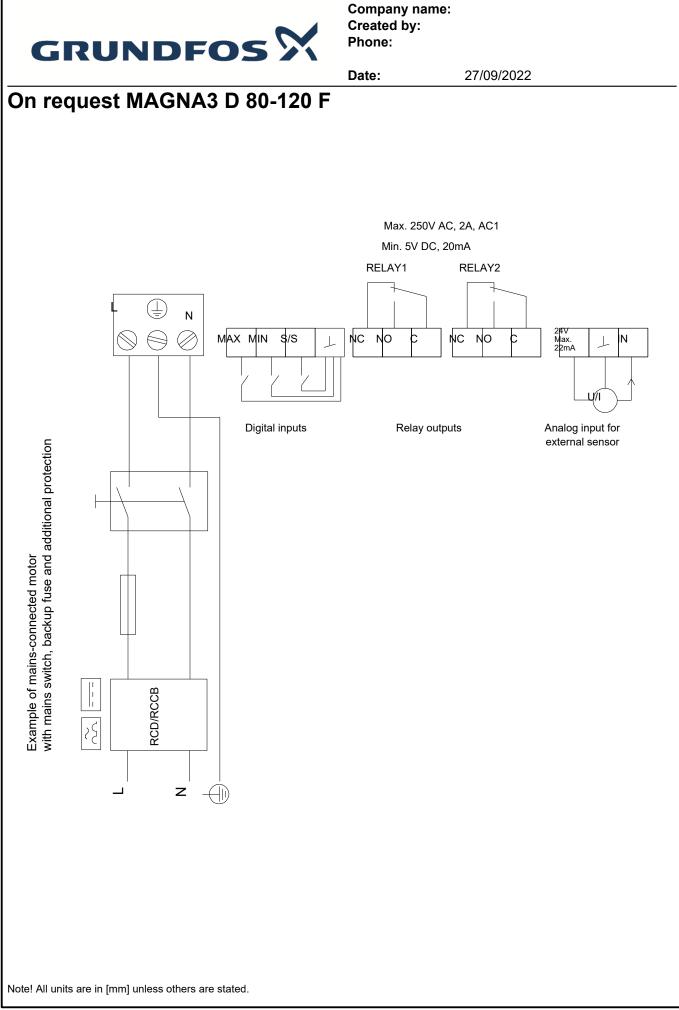
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		Date:	27/09/2022
Description	Value	H [m]	MAGNA3 D 80-120
General information:			Pumped liquid = Water Liquid temperature during operation = 60 °C
Product name:	MAGNA3 D 80-120 F	15 _	Density = 983.2 kg/m ³
Product No:	On request	14 -	
EAN number:	On request	13	
Technical:		12	
Rated flow:	36.32 m³/h	11	
Rated head:	9.932 m	10	
Head max:	120 dm	9	
TF class:	110	8-	
Approvals:	CE,VDE,EAC,MOROCCO,UKCA, TSERCM,UkrSEPRO	7-	
Model:	D	6-	
Materials:		5-	
Pump housing:	Cast iron	4	
Pump housing:	EN-GJL-250	3-	
Pump housing:	ASTM A48-250B	2	
Impeller:	PES 30%GF		
Installation:			
Range of ambient temperature:	040 °C	- 0 2	20 40 60 80 100 Q [m³/ł
Maximum operating pressure:	6 bar	P1 - [kW]	
Flange standard:	DIN	3.0	
Pipe connection:	DN 80	_	
•	PN 6	2.5 -	
Pressure rating:	360 mm	- 2.0	
Port-to-port length:	360 mm	1.5	
Liquid:	Marken	1.3	
Pumped liquid:	Water	1.0	
Liquid temperature range:	-10 110 °C	0.5	
Selected liquid temperature:	60 °C		
Density:	983.2 kg/m³	0	
Electrical data:			
Power input - P1:	32 1508 W	- 53	415 38 97 318 294 244
Mains frequency:	50 / 60 Hz		
Rated voltage [V]:	1 x 230 V	L.	
Maximum current consumption:	0.32 6.86 A		
Enclosure class (IEC 34-5):	X4D		
Insulation class (IEC 85):	F	244	294 1/4" M12 130 130
Others:			260
Energy (EEI):	0.18		200 150/160
Net weight:	53.4 kg		128 *80 *
Gross weight:	61 kg		
Shipping volume:	0.207 m³		
Swedish RSK No.:	5732553		PN 6 PN 10/16
Norwegian NRF no.:	9042801		
Country of origin:	DE		
Custom tariff no.:	84137030		
Environmental approvals:	CN ROHS,WEEE	Example of mains with mains switch	⊳connected motor , backup fuse and additional protection
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			କାଳରେ ସିହିନ ଅଧ୍ୟ କାଳରେ ଲେଇକାରେ ଅନ୍ୟାନ ଅନ୍ୟାନ କାଳରେ ଅନ୍ୟାନ ଅ
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Position

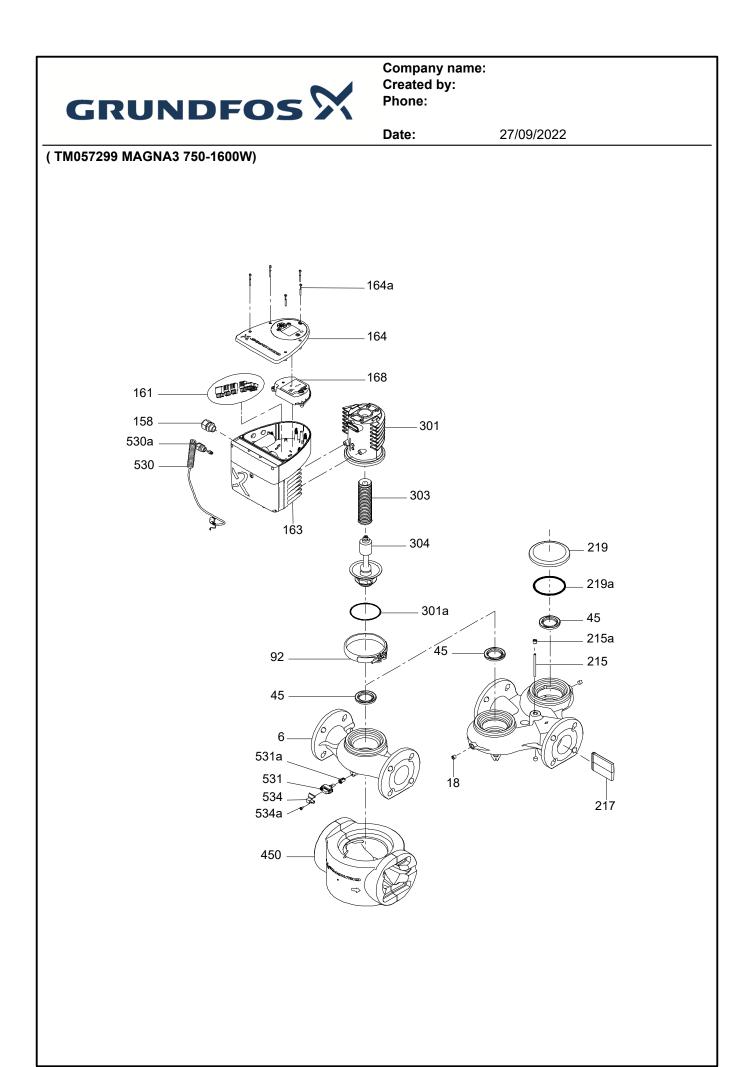
Company name: Created by: Phone:

 Date: 27/09/2022

 Order Data:
 Product No
 Total

 MAGNA3 D 80-120 F
 1
 On request
 Price on request

Printed from Gru	ndfos Product Centr	e [2022.41.006]	





27/09/2022

Spare parts MAGNA3 D 80-120 F, Product No. On request Produced After 1732 (production year and week number)

Pos	Description	Annotation	Classification Data	Part no.	Qty		Un
	Kit, Connector plugs			98357861	1		pcs
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		pc
164a	Screw DELTA PT					5	
164	Cover					1	
	Kit, Control box conf. Head I			99335007	1		рс
	Kit,control box non-configured			988595		1	F -
163	Control box cpl.			000000		•	
100	Control box						
	Box						
530	Cable						
164	Cover						
501	Displayboard cpl.						
100	Displayboard cpl.						
168	Displayboard, SMD						
163	Control box						
531	Sensor						
531a	Sealing cap						
	GSC					1	
	Kit, Control box conf. Head II			99335068	1		рс
	Kit,control box non-configured			988595	586	1	
163	Control box cpl.						
	Control box						
	Box						
530	Cable						
164	Cover						
501	Displayboard cpl.						
	Displayboard cpl.						
168	Displayboard, SMD						
163	Control box						
531	Sensor						
531a	Sealing cap						
55 Ta	Kit, Displayboard			99338995	1		n 0
163b				99336993	I	4	рс
	Compression spring Screw DELTA PT					4	
164a						5	
164	Cover					1	
501	Displayboard cpl.					1	
	Displayboard cpl.						
168	Displayboard, SMD						
	Kit, Pump head			98148757	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			500.0001	•	1	20
000	Cable					1	



_			Date	: 27/	/09/2022		
	Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
-	531	Sensor				1	
	531a	Sealing cap					
	534a	Pan head thread forming screw				1	
	534	Bracket				1	
-		Kit, Sensor			99313072	1	pcs
	530	Cable				1	0
-	531	Sensor				1	0
	531a	Sealing cap					
-		Kit, Valve flap			96407257	1	pcs
	215	Guide pin				1	
	217	Valve flap				1	
-		Spare, Clamp			98148759	1	pcs
	92	Clamp cpl.				1	
-		Spare, O-ring			98148761	1	pcs
	301a	O-ring				1	
-		Spare, Sealing cap			98613455	1	pcs
	531a	Sealing cap				1	
-		Pump housing cpl.			0000002	1	pcs
	45	Neck ring cpl.			992441		
	215a	Pipe plug			965476	15 2	
	301a	O-ring			92780122	1	pcs
	301a	O-ring			98660099	1	pcs
	531a	Sealing cap			98708139	1	pcs