	GRUNDFO	200	Company name: Created by: Phone:			
			Date:	17/04/2020		
у.	Description					
	MAGNA1 50-180 F					
	A CNAT					
	Product No.: 99221338	Note! Product pict	ure may differ from a	ctual product		
	and due to its compliance with th	ne EuP 2015 regula	tions, substantia	erfect choice when replacing older c savings on electricity is a reality. Th em control and monitoring is desired	ne ideal	
	 Monitoring via the fault relay, ensuring peace of mind Digital start/stop input available for remote pump control 					
	 Continuous operation and pumps) High energy efficiency res 			s twin pump function (available on tv tricity	vin-head	
	 Easy setup and operation No maintenance due to the 	via the simple use	r interface			
	 MAGNA1 is the simple and efficient Heating Main pump Mixing loops Heating surfaces Cooling Air conditioning surface Ground source heat p Smaller chiller application 	es ump systems	applications incl	uding		
	Liquid:					
	Pumped liquid:	Water				
	Liquid temperature range:	-10 110 °C				
	Selected liquid temperature: Density:	60 °C 983.2 kg/m³				
	Density.	905.2 kg/m²				
	Technical:					
	TF class:	110				
	Approvals on nameplate:	CE,VDE,EAC,CN	ROHS,WEEE			
	Materials:					
	Pump housing:	Cast iron				
		EN-GJL-250				
	Impeller:	ASTM A48-250B PES 30%GF				
	Installation:					
	Range of ambient temperature:	0 40 °C				
	Maximum operating pressure:	10 bar				
	Flange standard:	DIN				
		B11 - 0				
	Pipe connection:	DN 50				
	Pipe connection: Pressure rating: Port-to-port length:	DN 50 PN6/10				



Company name: Created by: Phone:

Rty. C F N	Description Electrical data:		Date:	17/04/2020
E F N				
F	Electrical data:			
N E	Power input - P1: Mains frequency: Rated voltage: Maximum current consumption: Enclosure class (IEC 34-5): nsulation class (IEC 85):	22.13 769 W 50 / 60 Hz 1 x 230 V 0.24 3.4 A X4D F		
E N C S F	Others: Energy (EEI): Net weight: Gross weight: Shipping volume: Finnish LVI No.: Country of origin: Custom tariff no.:	0.20 19.2 kg 20.8 kg 0.046 m ³ 4615198 DE 84137030		



Company name: Created by: Phone:

		н			eta
Description	Value	[m]		MAGNA1 50-180 F	eta [%]
General information:					
Product name:	MAGNA1 50-180 F				
Product No:	99221338	16 -			
EAN number:	5712608943119				
	5712608943119	14 -			
Price:	2.553,00 EUR				
Fechnical:		12 -			
Head max:	180 dm	-			
TF class:	110	10 -		- 1	100
Approvals on nameplate:	CE,VDE,EAC,CN ROHS,WEEE	8-		- 8	30
Model:	С				
Materials:		6-		-6	30
Pump housing:	Cast iron				
	EN-GJL-250	4		4	40
	ASTM A48-250B				
mpeller:	PES 30%GF	2-		-2	20
nstallation:					
Range of ambient temperature:	0 40 °C	0 /	10 15 20	25 30 Q [m³/h])
Maximum operating pressure:	10 bar	05 P1 1	10 15 20	25 30 Q [m³/h]	
Flange standard:	DIN	P1 [W]			
Pipe connection:	DN 50	700			
Pressure rating:	PN6/10	- /			
Port-to-port length:	280 mm	600 -			
Liquid:	200 mm	500 -	1 //		
	Water	400			
Pumped liquid:	Water	300 -	1		
_iquid temperature range:	-10 110 °C	200			
Selected liquid temperature:	60 °C	100			
Density:	983.2 kg/m³				
Electrical data:		0-			
Power input - P1:	22.13 769 W		72	376 165 304 1	25 *
Mains frequency:	50 / 60 Hz				- 1
Rated voltage:	1 x 230 V		: \) ĭ \n -		111
Maximum current consumption:	0.24 3.4 A				167
Enclosure class (IEC 34-5):	X4D				奶
Insulation class (IEC 85):	F				5/
Others:					PN 10/16
Energy (EEI):	0.20	73 127 127	₩		
Net weight:	19.2 kg				
Gross weight:	20.8 kg				
Shipping volume:	0.046 m ³				
Finnish LVI No.:					
	4615198				
Country of origin:	DE				
Custom tariff no .:	84137030				
		Example of mains-cor	nected motor		
			ckup fuse and additional protection	1	
		~~	Т		
		LE	<u></u>	(Ø	
		RCD/RCCB		Ē	
		N		⊘ z	
		~			
				Digital	
				7# S/S	
				~	
				Relay outputs	
				study	