	GRUNDFO		Company name: Created by: Phone:				
			Date:	17/04/2020			
/.	Description						
	MAGNA1 50-120 F						
	NEW MACINA						
	CRUNDFOS X	Notel Decident site					
		Note! Product pictur	re may differ from a	ictual product			
	and due to its compliance with the	ne EuP 2015 regulat	ions, substantia	erfect choice when replacing older circul savings on electricity is a reality. The id- em control and monitoring is desired.	lators eal		
	<ul> <li>Monitoring via the fault relay, ensuring peace of mind</li> <li>Digital start/stop input available for remote pump control</li> </ul>						
	pumps)			s twin pump function (available on twin-h	nead		
	<ul> <li>High energy efficiency resulting in substantial savings on electricity</li> <li>Easy setup and operation via the simple user interface</li> </ul>						
	No maintenance due to the canned-rotor type design.						
	<ul> <li>MAGNA1 is the simple and efficit</li> <li>Heating <ul> <li>Main pump</li> <li>Mixing loops</li> <li>Heating surfaces</li> </ul> </li> <li>Cooling <ul> <li>Air conditioning surface</li> <li>Ground source heat p</li> <li>Smaller chiller application</li> </ul> </li> </ul>	es ump systems	applications incl	uding			
	Liquid:						
	Pumped liquid:	Water					
	Liquid temperature range: Selected liquid temperature:	-10 110 °C 60 °C					
	Density:	983.2 kg/m <sup>3</sup>					
	Technical:						
	TF class:	110					
	Approvals on nameplate:	CE,VDE,EAC,CN F	ROHS,WEEE				
	Materials:						
	Pump housing:	Cast iron					
		EN-GJL-250					
		ASTM A48-250B					
	Impeller:	PES 30%GF					
	Installation:						
	Range of ambient temperature:	0 40 °C					
	Maximum operating pressure:	10 bar					
	Flange standard:	DIN					
	Pipe connection:	DIN DN 50					
	Pressure rating:	PN6/10					
	Port-to-port length:	280 mm					



Company name: Created by: Phone:

GRUNDFC		Phone:		
		Date:	17/04/2020	
. Description				
Mains frequency: Rated voltage: Maximum current consumption: Enclosure class (IEC 34-5):	20.2 533 W 50 / 60 Hz 1 x 230 V 0.22 2.37 A X4D F			
Net weight: Gross weight: Shipping volume: Finnish LVI No.: Country of origin:	0.20 18.3 kg 19.9 kg 0.046 m <sup>3</sup> 4615196 DE 84137030			
Custom tariff no.:				



## Company name: Created by: Phone:

		Date:	17/04/202		
Description	Value	H [m]		MAGNA1 50-120 F	F
General information:		-			
Product name:	MAGNA1 50-120 F	13 -			
Product No:	99221336	12			_
EAN number:	5712608943096	11			
	5712608943096	-			10
Price:	1.890,00 EUR	10 -			- 10
Technical:		9-			- 90
Head max:	120 dm	8 -			- 80
TF class:	110	7 -			- 70
Approvals on nameplate:	CE, VDE, EAC, CN ROHS, WEEE	-			
Model:	C	6-			- 60
Materials:		5-			- 50
Pump housing:	Cast iron	4 -			- 40
	EN-GJL-250	3			- 30
	ASTM A48-250B				
Impeller:	PES 30%GF	2-			- 20
Installation:	0 00/001	1			- 10
Range of ambient temperature:	0 40 °C	0			$\square_0$
Maximum operating pressure:	10 bar	0 5	10 15 20	) 25 30 Q [m³/h	
Flange standard:	DIN	P1 - [W] -			_
Pipe connection:	DN 50	500			
	PN6/10				
Pressure rating:	280 mm	400 -			_
Port-to-port length:	280 11111				
Liquid:	\\/_tor	300 -	V IM		_
Pumped liquid:	Water	200			_
Liquid temperature range:	-10 110 °C				
Selected liquid temperature:	60 °C	100			-
Density:	983.2 kg/m <sup>3</sup>	0			
Electrical data:					
Power input - P1:	20.2 533 W	164	72	376	165
Mains frequency:	50 / 60 Hz				102 50
Rated voltage:	1 x 230 V				
Maximum current consumption:	0.22 2.37 A			╶┈╫╟╫╟╫╟╢╢╴╴╴┠┼┰╶╷╝	16
Enclosure class (IEC 34-5):	X4D	.   <u> </u> ] • • / .	/ 🗑 👔 🛛 🖓 🕄 🚺 📕		ð.
Insulation class (IEC 85):	F				PN 6 P
Others:		73	97		-
Energy (EEI):	0.20	<del>4</del> <sup></sup> <b>⊭ 4</b> <sup>+27</sup>			
Net weight:	18.3 kg				
Gross weight:	19.9 kg				
Shipping volume:	0.046 m <sup>3</sup>				
Finnish LVI No.:	4615196				
Country of origin:	DE				
Custom tariff no.:	84137030				
		Example of mains with mains switch	s-connected motor 1, backup fuse and additional protectio	n	
		RCD/RCCB		$\square \square \square$	
		N		🖉 z	

outputs

c

eta [%]

- 100 90 - 80 -70 - 60 - 50 40 - 30 - 20 - 10