		company na created by:	ane.		
	GRUNDFOS 🏋 🤊	hone:			
		ate:	12/08/2021		
y.	Description NB 50-200/171 AF2ABQQE				
	-				
	Product No.: 98128725				
	Non-self-priming, single-stage, centrifugal volute pump designed according to ISO 5199 with dimensions and rated				
performance according to EN 733 (10 bar). Flanges are PN 16 with dimensions according to EN 1092-2. The pump has an axial suction port, radial discharge					
	port, horizontal shaft and a back pull-out design enabling r without disturbing the pump housing or pipework.	emoval of the	e motor, motor stool, cover and impell	er	
	The unbalanced rubber bellows seal is according to DIN E The pump is close-coupled to a fan-cooled asynchronous				
	The product's minimum efficiency index (MEI) is greater of considered as an indicative benchmark for best-performing	r equal to 0.70	0. This is by the Commission Regulat available on the market as from 1 Ja	ion (EU) nuary	
	2013. The back pull-out design means that the pump can be ser			-	
	housing or pipes.	viced by a sin	gie person without disturbing the pun	ιþ	
	Cast-iron parts have an epoxy-based coating made in a ca	athodic electro	o-deposition (CED) process. CED is a	1	
	high-quality dip-painting process where an electrical field a a thin, well-controlled layer on the surface.	around the pro	oducts ensures deposition of paint pa	rticles as	
	Pump				
	The pump housing has both a priming and a drain hole clo double-curved blades with smooth surfaces. The impeller	sed by plugs. is statically ba	. The impeller is a closed impeller wit alanced according to ISO 1940-1 clas	h s G6.3	
	and hydraulically balanced to compensate for axial thrust.		-		
	Wear rings used in pump housing and for impeller are made Motor stool and pump cover are made of cast iron (EN-GJ pump cover is provided with a manual air vent screw for ver	L-250). Coup	ling guards are fitted to the motor sto	ol. The	
		•			
	The pump is fitted with an unbalanced rubber bellows seal bellows. Due to the bellows, the seal does not wear the sh on the shaft.	with torque to aft, and the a	ransmission across the spring and ar xial movement is not prevented by de	ound the eposits	
	Primary seal:				
	 Rotating seal ring material: silicon carbide (SiC) Stationary seat material: silicon carbide (SiC) 				
	This material pairing is used where higher corrosion resist. offers good resistance against abrasive particles.	ance is requir	ed. The high hardness of this materia	al pairing	
	Secondary seal material: EPDM (ethylene-propylene rubb	,	sinoral alla		
	EPDM has excellent resistance to hot water. EPDM is not The pump housing has feet.	suitable for m			

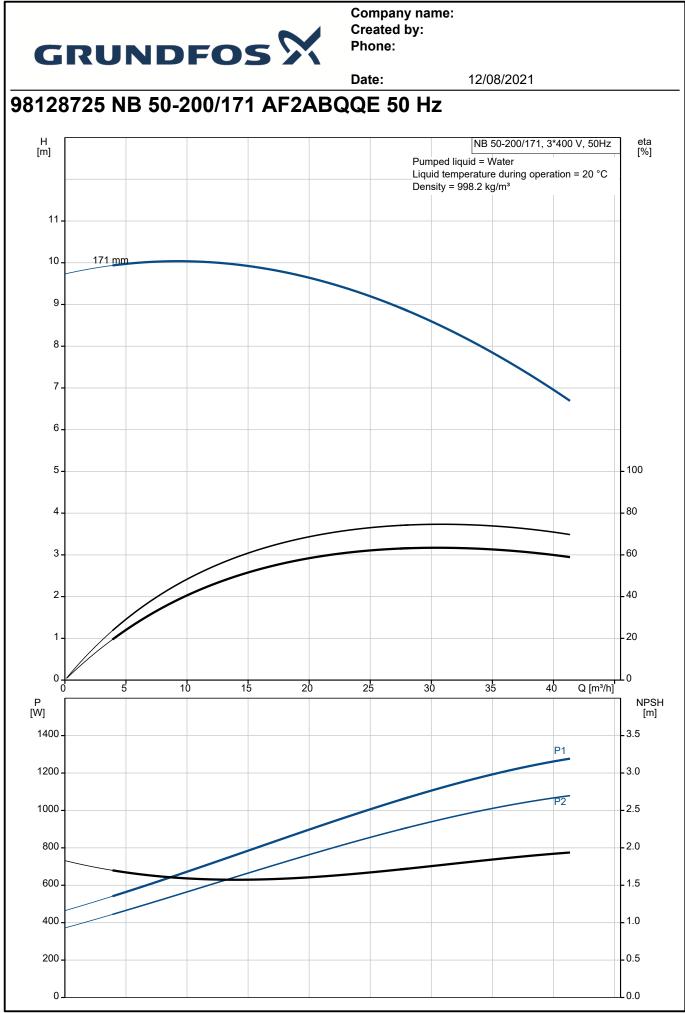
			Date:	12/08/2021	
	Description				
	The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.				
	The motor efficiency is classified				
The motor does not incorporate motor protection and must be connected can be manually reset. The motor-protective circuit breaker must be set (11/1).				ted to a motor-protective circuit breaker which et according to the rated current of the motor	
	The motor can be connected to a Grundfos CUE offers a range of the second secon	i variable speed c variable speed dri	lrive for adjustment ves. Please find mo	of pump performance to any duty point. ore information in Grundfos Product Center.	
Further product details					
	Technical data				
	Controls:				
	Frequency converter:	NONE			
	Pressure sensor:	Ν			
	Liquid:				
	Pumped liquid:	Water			
ļ	Liquid temperature range:	-25 120 °C			
	Selected liquid temperature:	20 °C			
	Density:	998.2 kg/m³			
	Technical:				
	Pump speed on which pump data	a are based: 14	40 rpm		
	Rated flow:	31.28 m³/h	•		
	Rated head:	8.285 m			
	Actual impeller diameter:	171 mm			
	Nominal impeller diameter:	200			
	Shaft seal arrangement:	Single			
	Code for shaft seal:	BQQE			
	Curve tolerance:	ISO9906:2012 3	B2		
	Bearing design:	Standard			
	Materials:				
	Pump housing:	Cast iron			
		EN-GJL-250			
		ASTM class 35			
	Wear ring:	Brass			
	Impeller:	Cast iron			
		EN-GJL-200			
	Chaffe	ASTM class 30			
	Shaft:	Stainless steel			
		EN 1.4301 AISI 304			
	Internal pump house coating:	CED			
	lustellation.				
	Installation:	55 °C			
	Maximum ambient temperature: Maximum operating pressure:	55 °C 16 bar			
	Pipe connection standard:	EN 1092-2			
	Size of inlet connection:	DN 65			
	Size of outlet connection:	DN 50			
		DN 30			

Pressure rating for connection:

PN 16



Date: 12/08/2021 Qty. Description Bearing lubrication: Grease Pump housing with feet: Yes Support block: Ν Electrical data: SIEMENS Motor type: IE Efficiency class: IE3 Rated power - P2: 1.1 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 4,41-3,99/2,52-2,28 A Starting current: 690-690 % Cos phi - power factor: 0.78 Rated speed: 1440 rpm Efficiency: IE3 84,1% Motor efficiency at full load: 84.1-84.1 % Motor efficiency at 3/4 load: 84.7-84.7 % Motor efficiency at 1/2 load: 83.4-83.4 % Number of poles: 4 IP55 Enclosure class (IEC 34-5): F Insulation class (IEC 85): Motor No: 83V02205 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 66 kg Gross weight: 83 kg Shipping volume: 0.315 m³ Country of origin: ΗU Custom tariff no.: 84137051



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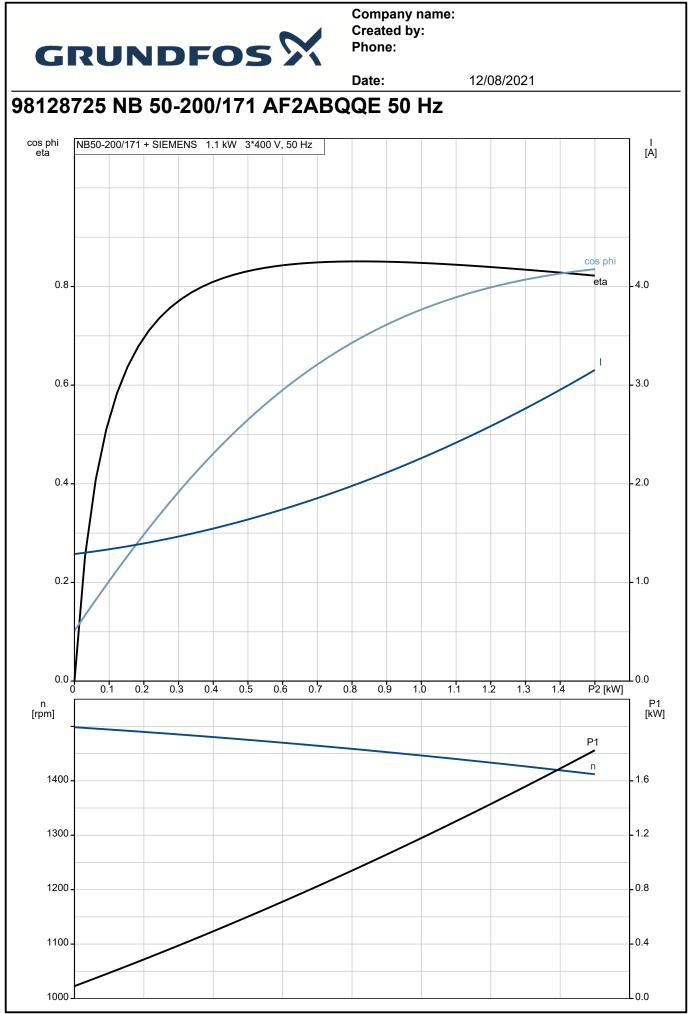


		Date:	12/08/2021	
Description	Value	H [m]	NB 50-200/171, 3*400 V, 50Hz	eta [%]
General information:		-	Pumped liquid = Water Liquid temperature during operation = 20 °C	
Product name:	NB 50-200/171 AF2ABQQE	11 -	Density = 998.2 kg/m ³	
Product No:	98128725	10 <u>171 n</u>		
EAN number:	5711490039115	9		
Price:	GBP 1599	Ĩ		
Technical:		8 -		
Pump speed on which pump data are based:	1440 rpm	7 -		
Rated flow:	31.28 m³/h	6		
Rated head:	8.285 m	E		100
	171 mm	5		- 100
Actual impeller diameter:		4 -		- 80
Nominal impeller diameter:	200 Single			60
Shaft seal arrangement:	Single	3 -		- 60
Shaft diameter:	24 mm	2 -		- 40
Code for shaft seal:	BQQE			00
Curve tolerance:	ISO9906:2012 3B2	1-		- 20
Pump version:	А	o 🖊 📕		- 0
Bearing design:	Standard	0 5 D	10 15 20 25 30 35 Q'[m³/h]	NDO
Materials:		P [W]		NPS [m
Pump housing:	Cast iron		P1	
Pump housing:	EN-GJL-250	1200 -		- 3.0
Pump housing:	ASTM class 35	1000 -	P2	- 2.5
Wear ring:	Brass	800 -		2.0
Impeller:	Cast iron			
Impeller:	EN-GJL-200	600 -		- 1.5
Impeller:	ASTM class 30	400		- 1.0
Shaft:	Stainless steel	200 -		- 0.5
Shaft:	EN 1.4301	0		0.0
Shaft:	AISI 304			
Internal pump house coating:	CED			
Material code:	A	245.5	297 100	29
Code for rubber:	E			J
Installation:	L			(ata
Maximum ambient temperature:	55 °C	╴╶╶┊		(+)
	16 bar			A CONTRACTOR
Maximum operating pressure: Pipe connection standard:	EN 1092-2	- 100		2000
Size of inlet connection:	DN 65	- 1	141 162	600
Size of inlet connection: Size of outlet connection:	DN 65 DN 50	38		
Pressure rating for connection:	PN 16			_ _
Bearing lubrication:	Grease			
Pump housing with feet:	Yes	U H		
Support block:	N			
Connect code:	F2			
Liquid:			LOW VOLTAGE	
Pumped liquid:	Water		LOW VOLTAGE CTION OF ROTATION	
Liquid temperature range:	-25 120 °C			
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³			
Electrical data:		-		
Motor type:	SIEMENS	╴╷╷│└└└		
E Efficiency class:	IE3			
Rated power - P2:	1.1 kW	ні	H VOLTAGE	
Mains frequency:	50 Hz		IN OF ROTATION	
Rated voltage:	3 x 220-240D/380-420Y V			
Rated current:	V 4,41-3,99/2,52-2,28 A			
Starting current:	690-690 %	╴│ ┦ ┦ ┦		
Cos phi - power factor:	0.78	- Y L		

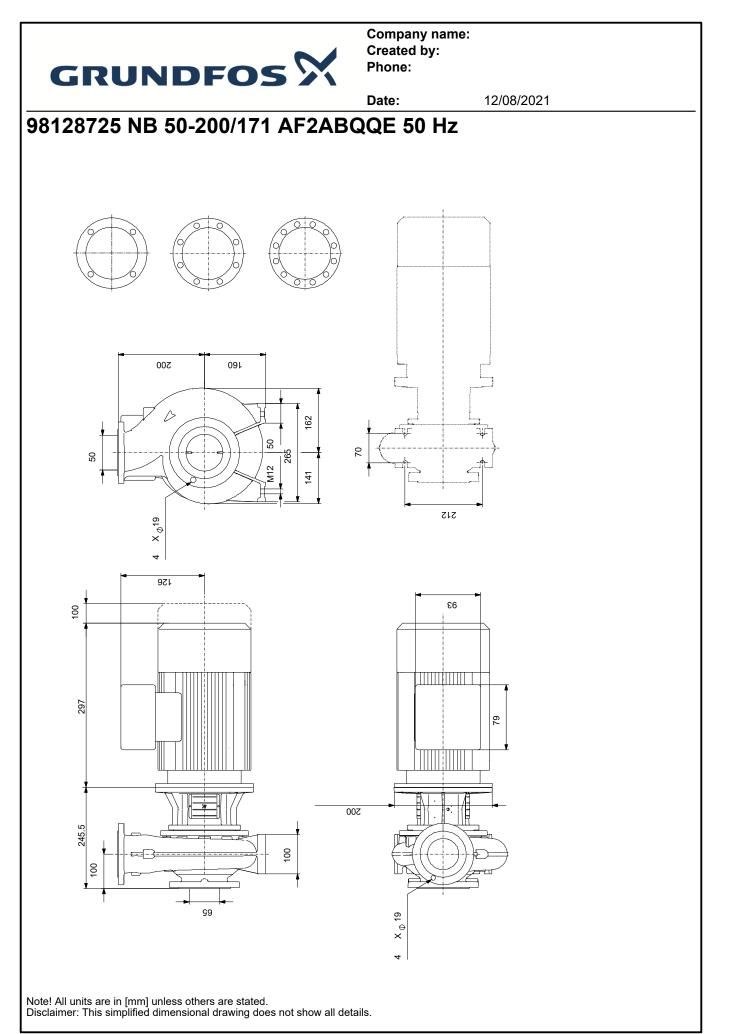
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		Date:	12/08/2021	
Description	Value			
Rated speed:	1440 rpm			
Efficiency:	IE3 84,1%			
Motor efficiency at full load:	84.1-84.1 %			
Motor efficiency at 3/4 load:	84.7-84.7 %			
Motor efficiency at 1/2 load:	83.4-83.4 %			
Number of poles:	4			
Enclosure class (IEC 34-5):	IP55			
Insulation class (IEC 85):	F			
Motor protec:	NONE			
Motor No:	83V02205			
Mount. design. acc. IEC 34-7:	IM V1			
Controls:				
Frequency converter:	NONE			
Pressure sensor:	Ν			
Others:				
Minimum efficiency index, MEI ≥:	0.70			
Net weight:	66 kg			
Gross weight:	83 kg			
Shipping volume:	0.315 m³			
Country of origin:	HU			
Custom tariff no.:	84137051			



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Date: 12

12/08/2021

98128725 NB 50-200/171 AF2ABQQE 50 Hz

