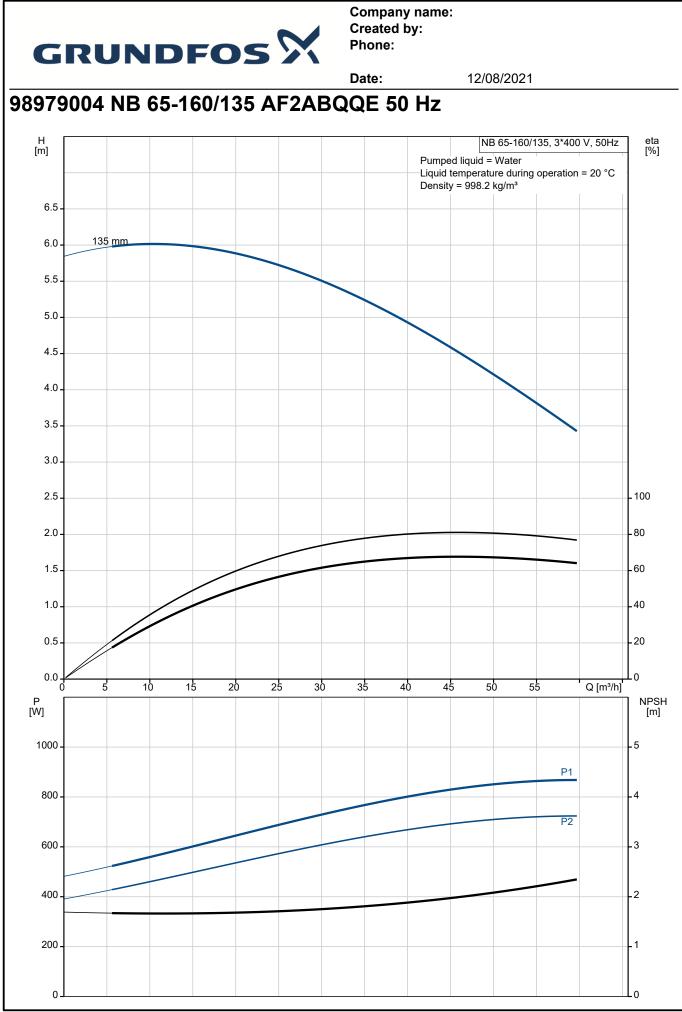


	GRUNDFO			mpany nam eated by: one:	e:
	GRONDF		Da	te:	12/08/2021
ty.	Description				
	tolerances comply with IEC 6003 The motor efficiency is classified The motor does not incorporate r	4. as IE3 in acco notor protectio	rdance with n and must b	IEC 60034-30- be connected t	s to IEC and DIN standards. Electrical -1. o a motor-protective circuit breaker which coording to the rated current of the motor
	Further product details				
	Technical data				
	Controls:				
	Frequency converter:	NONE			
	Pressure sensor:	Ν			
	Liquid: Pumped liquid:	Matar			
	Liquid temperature range:	Water -25 120 °C			
	Selected liquid temperature:	20 °C			
	Density:	20 C 998.2 kg/m <sup>3</sup>			
	Density.	556.2 kg/m			
	Technical: Pump speed on which pump data Rated flow:	a are based: 45.7 m³/h	1450 rpm		
	Rated head:	4.5 m			
	Actual impeller diameter:	135 mm			
	Nominal impeller diameter:	160			
	Shaft seal arrangement:	Single			
	Code for shaft seal:	BQQE			
	Curve tolerance:	ISO9906:201	2 3B2		
	Bearing design:	Standard			
	Materials:				
	Pump housing:	Cast iron			
		EN-GJL-250			
		ASTM class 3	35		
	Wear ring:	Brass			
	Impeller:	Cast iron			
		EN-GJL-200			
		ASTM class 3			
	Shaft:	Stainless stee	əl		
		EN 1.4301			
	Internal pump house coating:	AISI 304 CED			
	Internal pump nouse coating.	CLD			
	Installation:				
	Maximum ambient temperature:	55 °C			
	Maximum operating pressure:	16 bar			
	Pipe connection standard:	EN 1092-2			
	Size of inlet connection:	DN 80			
	Size of outlet connection:	DN 65			
	Pressure rating for connection:	PN 16			
	Bearing lubrication:	Grease			
	Pump housing with feet:	Yes			



Description			
 Description			
Support block:	Ν		
Electrical data:			
Motor type:	SIEMENS		
IE Efficiency class:	IE3		
Rated power - P2:	0.75 kW		
Mains frequency:	50 Hz		
Rated voltage:	3 x 220-240D/380	_120V V	
Rated current:	3,1-2,9/1,79-1,66		
Starting current:	710-710 %		
Cos phi - power factor:	0.75		
Rated speed:	1450 rpm		
Efficiency:	IE3 82,5%		
Motor efficiency at full load:	82.5-82.5 %		
Motor efficiency at 3/4 load:	82.3-82.3 %		
Motor efficiency at 1/2 load:	79.9-79.9 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor No:	83V02204		
	00102201		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	47 kg		
Gross weight:	64 kg		
Shipping volume:	0.315 m <sup>3</sup>		
Country of origin:	HU		
Custom tariff no.:	84137051		



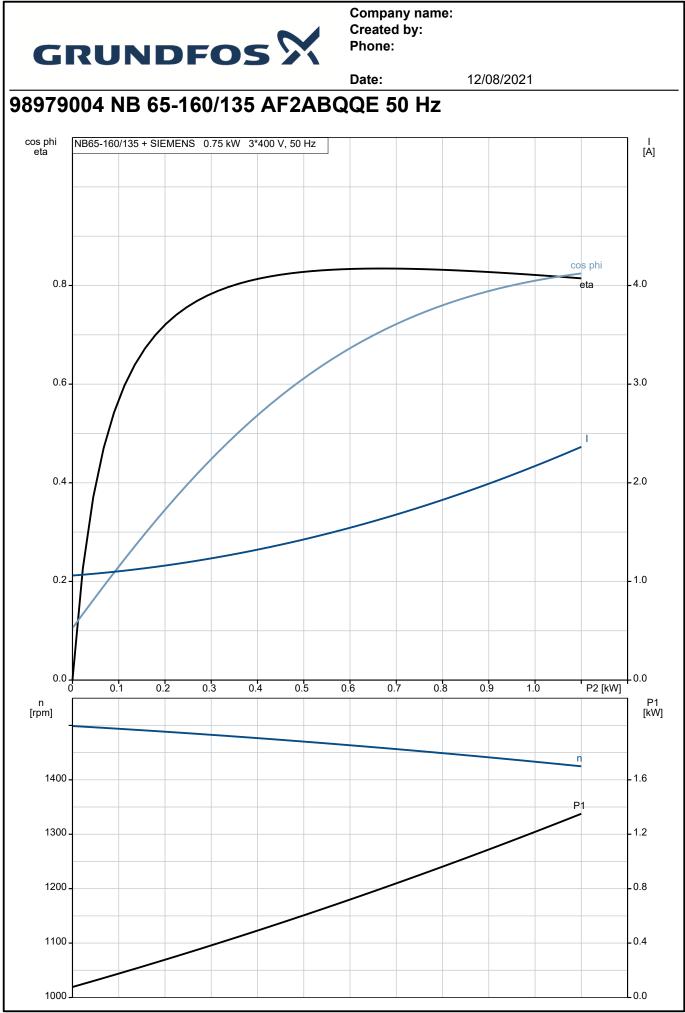


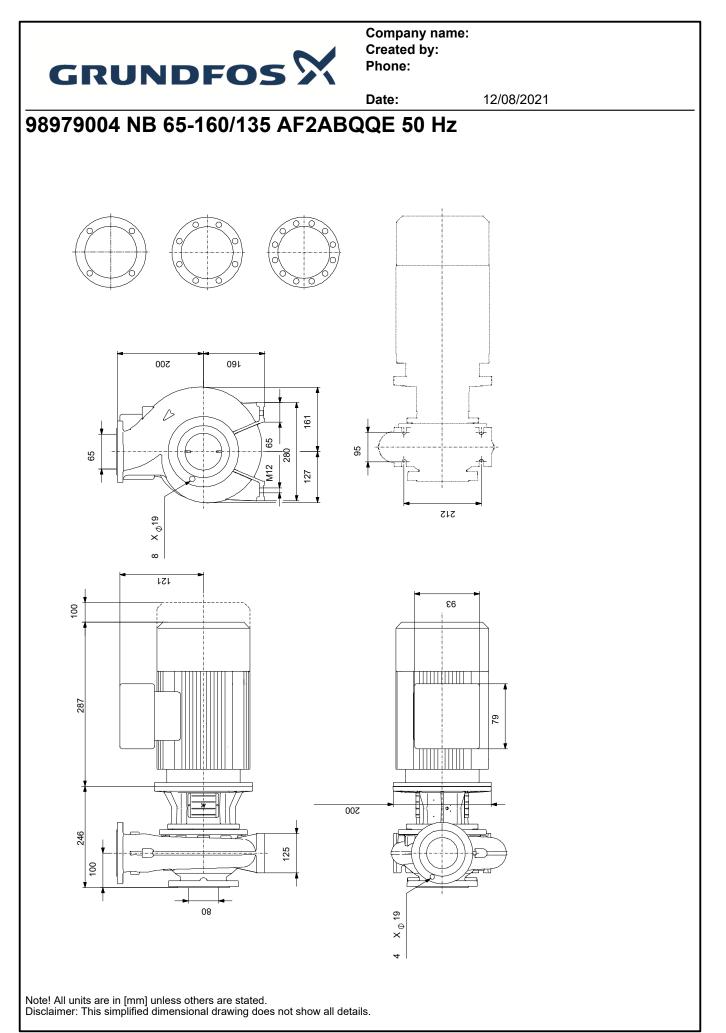
		н	12/08/2		*400 \/ 501-	] etc
Description	Value	[m]	Dumm and Harris	NB 65-160/135, 3	-400 V, 50Hz	eta [%
General information:				ature during operation	ation = 20 °C	
Product name:	NB 65-160/135 AF2ABQQE	6.5 - 6.0 - 135 n	Density = 998			
Product No:	98979004	5.5				
EAN number:	5712604604755	_				
Price:	GBP 1467	5.0 -				-
Fechnical:		4.5				_
Pump speed on which pump data are based:	1450 rpm	4.0 -				
Rated flow:	45.7 m³/h	3.5 -				_
Rated head:	4.5 m	3.0				
	4.5 m 135 mm	_				100
Actual impeller diameter:	135 mm 160	2.5 -				100
Nominal impeller diameter:		2.0 -				- 80
Shaft seal arrangement:	Single	1.5				60
Shaft diameter:	24 mm	1.0				40
Code for shaft seal:	BQQE					-
Curve tolerance:	ISO9906:2012 3B2	0.5				20
Pump version:	A	0.0				
Bearing design:	Standard	- P	10 20 30	40 50	) Q [m³/h]	
Materials:		[W]				[m
Pump housing:	Cast iron	1000 -			<b>D</b> 4	- 5
Pump housing:	EN-GJL-250	800 -			P1	4
Pump housing:	ASTM class 35	000 -			P2	ΓŤ
Wear ring:	Brass	600 -			PZ	- 3
mpeller:	Cast iron					
mpeller:	EN-GJL-200	400				-2
mpeller:	ASTM class 30	200 -				4
Shaft:	Stainless steel	200-				<b>1</b>
Shaft:	EN 1.4301					
Shaft:	AISI 304					
Internal pump house coating:	CED		297 100			~
Material code:	A	100		65	4	
Code for rubber:	E			TT I	, <sup>–</sup>	S S
Installation:						22
Maximum ambient temperature:	55 °C	╴╶╴┊┤╽╢╢┹┫				HÐ
Maximum operating pressure:	16 bar					er e
Pipe connection standard:	EN 1092-2	125		65 280		000
Size of inlet connection:	DN 80	-		127 161	- 6	000
Size of outlet connection:	DN 65			-1 <sup>95</sup>		
Pressure rating for connection:	PN 16			┍╼╡╠╖		$\square$
Bearing lubrication:	Grease			212		++
Pump housing with feet:	Yes			Lla fr	 ]r	
Support block:	N	V I	79	Ŧ		
Connect code:	F2					
	īΖ					
Liquid:	Motor		LOW VOLTAGE			
Pumped liquid:	Water		TION OF ROTATION			
Liquid temperature range:	-25 120 °C					
Selected liquid temperature:	20 °C		[w2] (v2] (v2)			
Density:	998.2 kg/m³		K K K			
Electrical data:		_│ ♥♥♥	$(\underline{(U)})$ $(\underline{(V)})$ $(\underline{(W)})$			
Motor type:	SIEMENS			кI		
E Efficiency class:	IE3			Ð		
Rated power - P2:	0.75 kW		H VOLTAGE N OF ROTATION			
Mains frequency:	50 Hz					
Rated voltage:	3 x 220-240D/380-420Y V					
Rated current:	3,1-2,9/1,79-1,66 A					
Starting current:	710-710 %	╴│  ┦ ┦ ┦				
5			1 11 11	1		

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		Date:	12/08/2021
Description	Value		
Rated speed:	1450 rpm	_	
Efficiency:	IE3 82,5%		
Motor efficiency at full load:	82.5-82.5 %		
Motor efficiency at 3/4 load:	82.3-82.3 %		
Motor efficiency at 1/2 load:	79.9-79.9 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protec:	NONE		
Motor No:	83V02204		
Mount. design. acc. IEC 34-7:	IM V1		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	47 kg		
Gross weight:	64 kg		
Shipping volume:	0.315 m³		
Country of origin:	HU		
Custom tariff no.:	84137051		







Date: 12/08/2021



