

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 as IE3 in accordance with IEC 60034-30-1.



Company name: Created by: Phone:

	GRUNDF	J5 7				
			Date	:	30/12/2022	
Qty.	Description					
1	The motor has thermistors (PTC reacts to both slow- and quick-ris	sensors) in the sing temperatu	e windings in a res, e.g. consta	ccordance int overloa	with DIN 44081/DIN 44082. The d and stalled conditions.	protection
	Thermal switches must be connected and cannot cause accidents. The more regulations.	ected to an extension extension of the second s	ernal control ci onnected to a r	cuit in a wanter of the second s	ay which ensures that the automa ctive circuit breaker according to	itic reset local
	A variable speed drive makes adjustment of pump performance to any duty point possible. If the motor is to connected to a variable speed drive, the pump must be ordered with an electrically insulated motor bearing.					
	Further product details					
	Cast-iron parts have an epoxy-b high-quality dip-painting process a thin, well-controlled layer on th	where an elec	ade in a catho trical field arou	dic electro nd the pro	deposition (CED) process. CED i ducts ensures deposition of paint	s a particles as
	Technical data					
	Controls:					
	Frequency converter: Pressure sensor:	NONE N				
	Liquid:					
	Pumped liquid:	Water				
	Liquid temperature range:	-25 120 °C				
	Selected liquid temperature:	20 °C				
	Density:	998.2 kg/m³				
	Technical:					
	Pump speed on which pump dat		1478 rpm			
	Rated flow: Rated head:	210.8 m³/h 49.87 m				
	Actual impeller diameter:	395 mm				
	Nominal impeller diameter:	400				
	Shaft seal arrangement:	Single				
	Code for shaft seal:	BQQE				
	Curve tolerance:	ISO9906:201	2 3B			
	Bearing design:	Standard				
	Materials:					
	Pump housing:	Cast iron				
		EN-GJL-250				
	Wear ring:	ASTM class : Brass	35			
	Impeller:	Cast iron				
		EN-GJL-200				
		ASTM class	30			
	Internal pump house coating:	CED				
	Shaft:	Stainless ste	el			
		EN 1.4301 AISI 304				
	Installation.					
	Installation: t max amb:	55 °C				
	Maximum operating pressure:	16 bar				
	Pipe connection standard:	EN 1092-2				
	Size of inlet connection:	DN 125				
	Size of outlet connection:	DN 100				
	Pressure rating for connection:	PN 16				
	Bearing lubrication	Grease				

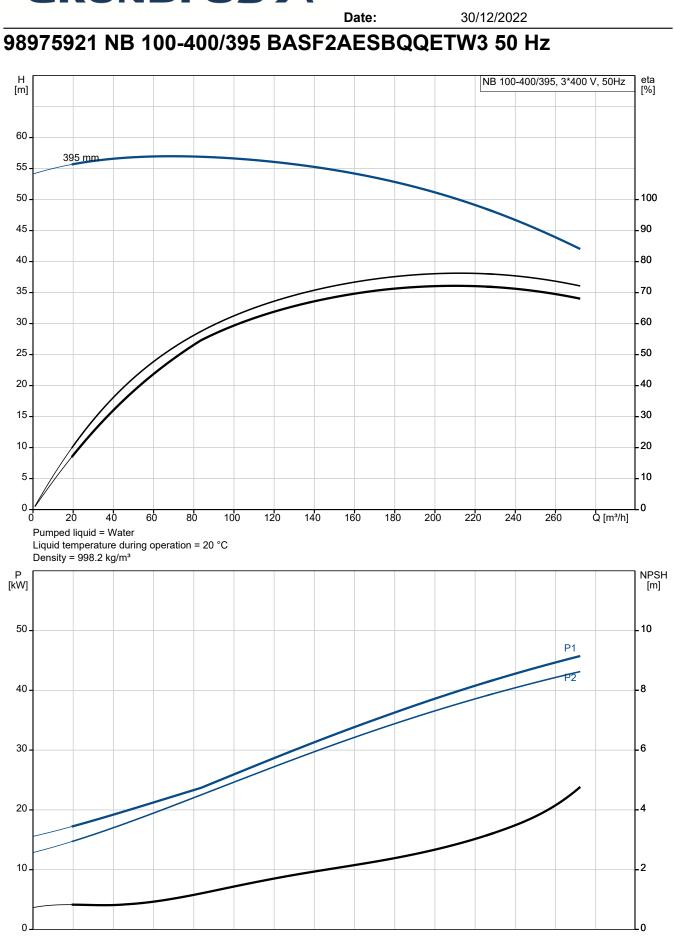
Grease

Bearing lubrication:



	Description					
•						
	Pump housing with feet:	Yes				
	Support block (Yes/No):	Y				
	Electrical data:					
	Motor type:	SIEMENS				
	IE Efficiency class:	IE3				
	Rated power - P2:	45 kW				
	Mains frequency:	50 Hz				
	Rated voltage:	3 x 380-420D/660-725Y V				
	Rated current:	80/46.5 A				
	Starting current:	660-660 %				
	Cos phi - power factor:	0.86				
	Rated speed:	1478 rpm				
	Efficiency:	IE3 94,2%				
	Motor efficiency at full load:	94.2-94.2 %				
	Motor efficiency at 3/4 load:	94.9-94.9 %				
	Motor efficiency at 1/2 load:	95-95 %				
	Number of poles:	4				
	Enclosure class (IEC 34-5):	IP55				
	Insulation class (IEC 85):	F				
	Motor No:	99032214				
	Bearing insulation type N-end:	STEEL BEARING				







GRUNE		Date: 30/12/2022
Description	Value	H [m] NB 100-400/395, 3*400 V, 50Hz [%
Description General information:	value	
Product name:	NB 100-400/395 BASF2AESBQQETW3	60 - 395 mm
Product No:	98975921	50 10
EAN number:	5712604552070	45 90
Technical:		40
Pump speed on which pump data are based:	1478 rpm	35
Rated flow:	210.8 m³/h	25 - 50
Rated head:	49.87 m	20
Actual impeller diameter:	395 mm	15
Nominal impeller diameter:	400	
Shaft seal arrangement:	Single	
Shaft diameter:	42 mm	5
Code for shaft seal:	BQQE	0 <u>V</u> <u>0</u> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Curve tolerance:	ISO9906:2012 3B	Pumped liquid = Water
Pump version:	AS	Liquid temperature during operation = 20 °C Density = 998.2 kg/m³
Bearing design:	Standard	P NF
Materials:		
Pump housing:	Cast iron	50 – P1 – 10
Pump housing:	EN-GJL-250	
Pump housing:	ASTM class 35	40-
Wear ring:	Brass	30 6
Impeller:	Cast iron	-0
Impeller:	EN-GJL-200	20 4
Impeller:	ASTM class 30	
Internal pump house coating:	CED	10 2
Material code:	А	
Code for rubber:	E	
Shaft:		
Shaft:	EN 1.4301	441 708 9 19
Shaft:	AISI 304	
Installation:		
t max amb:	55 °C	
Maximum operating pressure:	16 bar	
Pipe connection standard:	EN 1092-2	
Size of inlet connection:	DN 125	8
Size of outlet connection:	DN 100	
Pressure rating for connection:	PN 16	
Bearing lubrication:	Grease	
Pump housing with feet:	Yes	
Support block (Yes/No):	Y	
Connect code:	F2	
Liquid:		
Pumped liquid:	Water	
Liquid temperature range:	-25 120 °C	
Selected liquid temperature:	20 °C	Y
Density:	998.2 kg/m ³	
Electrical data:		——
Motor type:	SIEMENS	
IE Efficiency class:	IE3	
Rated power - P2:	45 kW	
Mains frequency:	50 Hz	
Rated voltage:	3 x 380-420D/660-725Y V	
Rated current:	80/46.5 A	
Starting current:	660-660 %	
Cos phi - power factor:	0.86	
Rated speed:	1478 rpm	
Efficiency:	IE3 94,2%	
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Date:

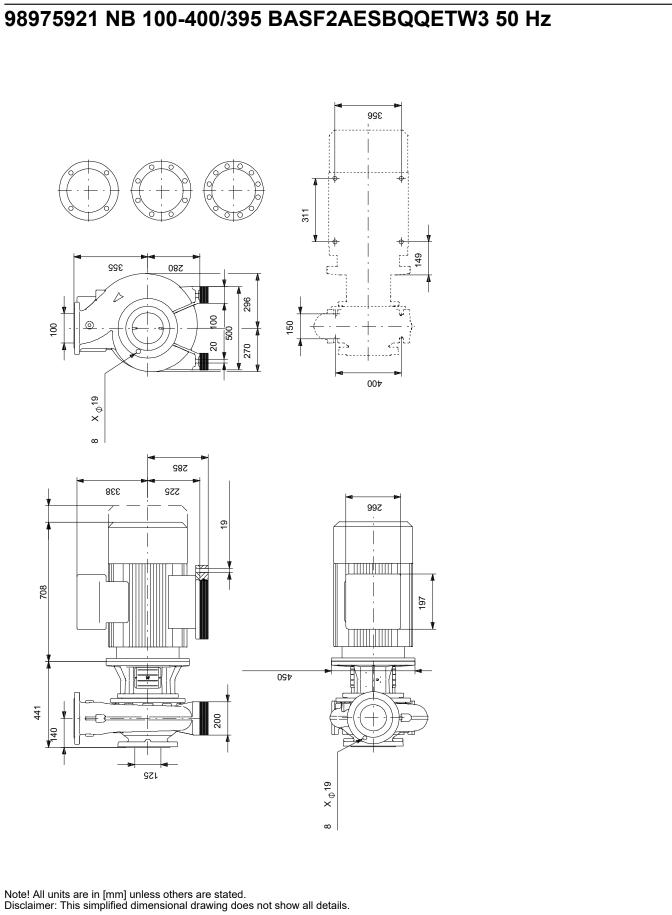
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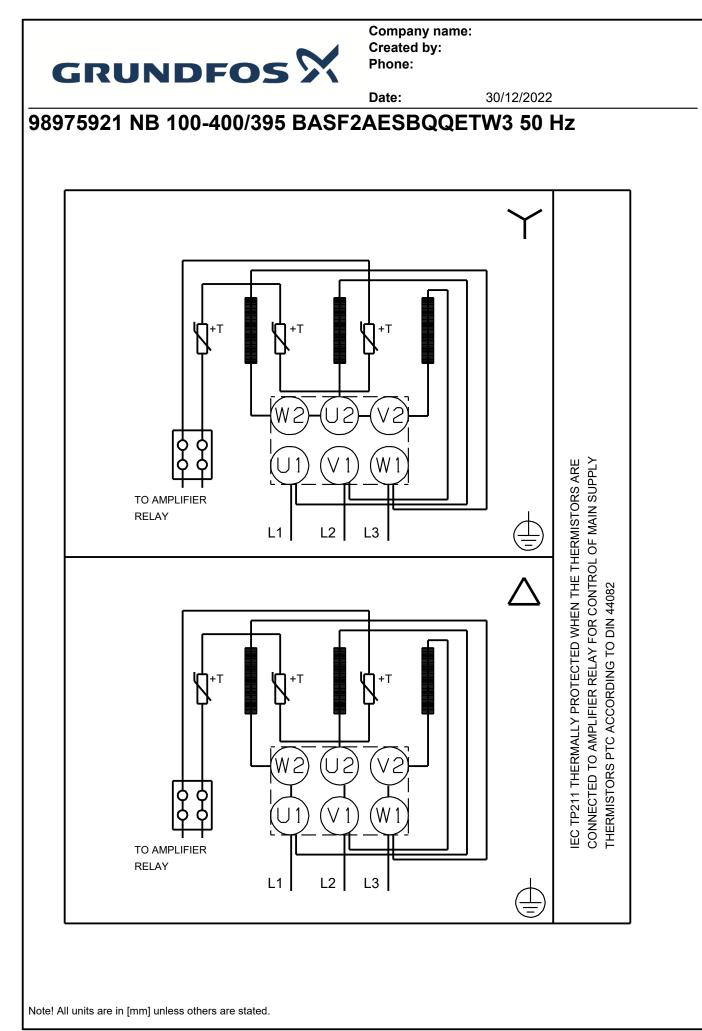
Description	Value
Motor efficiency at full load:	94.2-94.2 %
Motor efficiency at 3/4 load:	94.9-94.9 %
Motor efficiency at 1/2 load:	95-95 %
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	99032214
Mount. design. acc. IEC 34-7:	IM B35
Bearing insulation type N-end:	STEEL BEARING
Controls:	
Frequency converter:	NONE
Pressure sensor:	Ν
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	550 kg
Gross weight:	575 kg
Shipping volume:	0.771 m³
Danish VVS No.:	386065406



Date:

30/12/2022







Order Data:					
Position	Your pos.	Product name	Amount	Product No	Total
		NB 100-400/395	1	98975921	Price o
					reque
				1	