

## Motor

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	<b>JS 7</b>								
			Dat	e:	30/12/2022					
Qty. Description										
	reacts to both slow- and quick-ris	sing temperatu	res, e.g. cons	tant over						
Thermal switches must be connected to an external control circuit in a way which ensures that the automatic r cannot cause accidents. The motors must be connected to a motor-protective circuit breaker according to loca regulations.										
A variable speed drive makes adjustment of pump performance to any duty point possible. If the motor is to be connected to a variable speed drive, the pump must be ordered with an electrically insulated motor bearing. <b>Further product details</b> Cast-iron parts have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint partia a thin, well-controlled layer on the surface.										
						Technical data				
							Controls:			
	Frequency converter: Pressure sensor:	NONE N								
	Liquid:									
	Pumped liquid:	Water								
	Liquid temperature range:	-25 120 °C								
	Selected liquid temperature: Density:	20 °C 998.2 kg/m³								
	Bonony.	000.2 kg/m								
	Technical:									
Pump speed on which pump data are based: 1482 rpm										
	Rated flow: Rated head:	214.6 m³/h 56.62 m								
	Actual impeller diameter:	415 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	05							
	Wear ring:	ASTM class 3 Brass	55							
	Impeller:	Cast iron								
	·	EN-GJL-200								
		ASTM class 3	30							
	Internal pump house coating: Shaft:	CED Stainlage sta								
	Shan.	Stainless stee EN 1.4301	<del>J</del> I							
		AISI 304								
	Installation:									
	t max amb:	55 °C								
	Maximum operating pressure:	16 bar								
	Pipe connection standard:	EN 1092-2								
	Size of inlet connection: Size of outlet connection:	DN 125 DN 100								
	Pressure rating for connection:	PN 16								
1	Bearing lubrication	Grease								

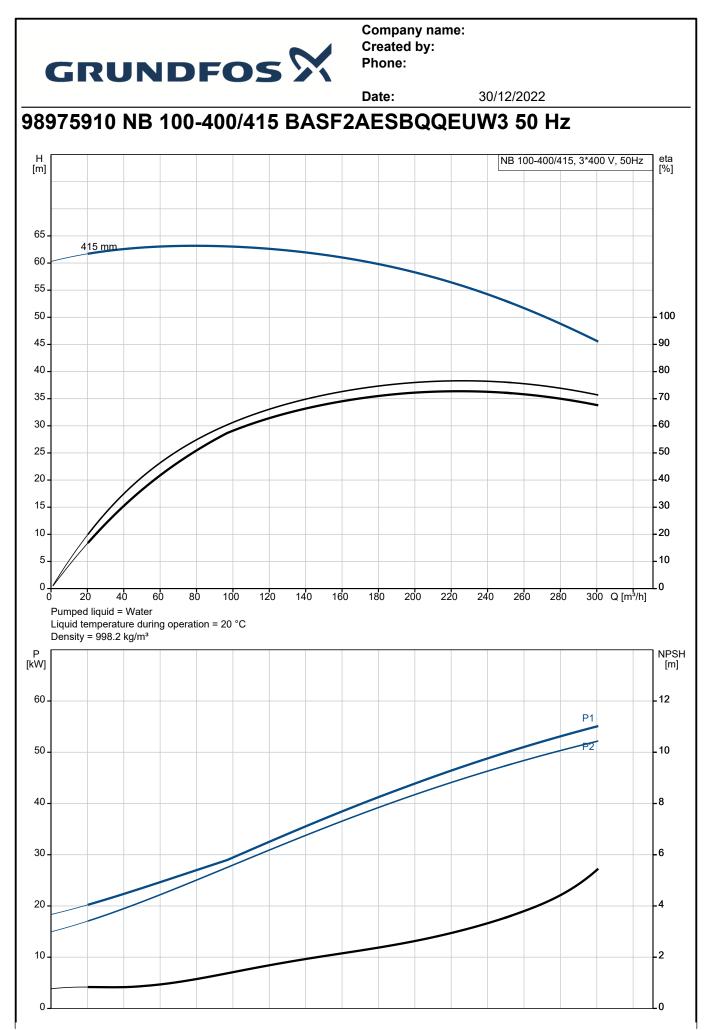
Grease

Bearing lubrication:



Company name: Created by: Phone:

	Desculation		
<b>y</b> .			
	Pump housing with feet:	Yes	
	Support block (Yes/No):	Y	
	Electrical data:		
	Motor type:	SIEMENS	
	IE Efficiency class:	IE3	
	Rated power - P2:	55 kW	
	Mains frequency:	50 Hz	
	Rated voltage:	3 x 380-420D/660-725Y V	
	Rated current:	96/56 A	
	Starting current:	680-680 %	
	Cos phi - power factor:	0.87	
	Rated speed:	1482 rpm	
	Efficiency:	IE3 94,6%	
	Motor efficiency at full load:	94.6-94.6 %	
	Motor efficiency at 3/4 load:	95.1-95.1 %	
	Motor efficiency at 1/2 load:	95-95 %	
	Number of poles:	4	
	Enclosure class (IEC 34-5):	IP55	
	Insulation class (IEC 85):	F 99032216	
	Motor No: Bearing insulation type N-end:	99032216 STEEL BEARING	
		STEEL DEARING	
	Others:		
	Minimum efficiency index, MEI ≥:	0.70	
	Net weight:	673 kg	
	Gross weight:	698 kg	
	Shipping volume:	0.826 m <sup>3</sup>	
	Danish VVS No.:	386065408	





## Company name: Created by: Phone:

Date: 30/12/2022				
Description	Value	H [m] NB 100-400/415, 3*400 V, 50Hz		
General information:		—		
Product name:	NB 100-400/415 BASF2AESBQQEUW3	65 - 415 mm		
Product No:	98975910	55		
EAN number:	5712604552056	50-		
Technical:		45		
Pump speed on which pump data are based:	1482 rpm	40-		
Rated flow:	214.6 m³/h	30		
Rated head:	56.62 m	25		
Actual impeller diameter:	415 mm	20		
Nominal impeller diameter:	400	15		
Shaft seal arrangement:	Single	10-		
Shaft diameter:	42 mm	5-		
Code for shaft seal:	BQQE	0 <u>//</u> 0 50 100 150 200 250 Q [m³/h]		
Curve tolerance:	ISO9906:2012 3B			
Pump version:	AS	Pumped liquid = Water Liquid temperature during operation = 20 °C		
•	AS	Density = 998.2 kg/m <sup>3</sup>		
Bearing design:	Sidiluaru	P [kW]		
Materials:	Continue			
Pump housing:	Cast iron	P1		
Pump housing:	EN-GJL-250	50 - P2		
Pump housing:	ASTM class 35	40		
Wear ring:	Brass			
Impeller:	Cast iron	30-		
Impeller:	EN-GJL-200			
Impeller:	ASTM class 30	20		
Internal pump house coating:	CED	10		
Material code:	A			
Code for rubber:	E	0		
Shaft:	Stainless steel			
Shaft:	EN 1.4301			
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			
Size of outlet connection:	DN 100			
Pressure rating for connection:	PN 16	8 • • • • • • • • • • • • • • • • • • •		
Bearing lubrication:	Grease			
Pump housing with feet:	Yes			
Support block (Yes/No):	Yes			
,				
Connect code:	F2			
Liquid:				
Pumped liquid:	Water			
Liquid temperature range:	-25 120 °C	Υ		
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³			
Electrical data:				
Motor type:	SIEMENS			
IE Efficiency class:	IE3			
Rated power - P2:	55 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-420D/660-725Y V			
Rated current:	96/56 A			
Starting current:	680-680 %			
Cos phi - power factor:	0.87			
Rated speed:	1482 rpm			
Efficiency:	IE3 94,6%			

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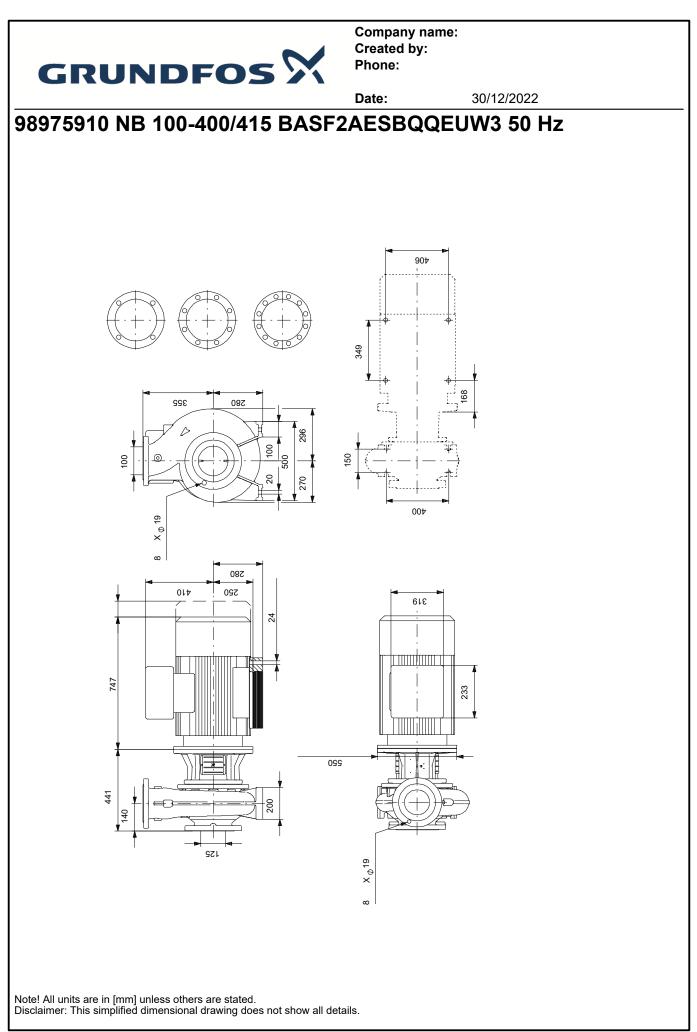


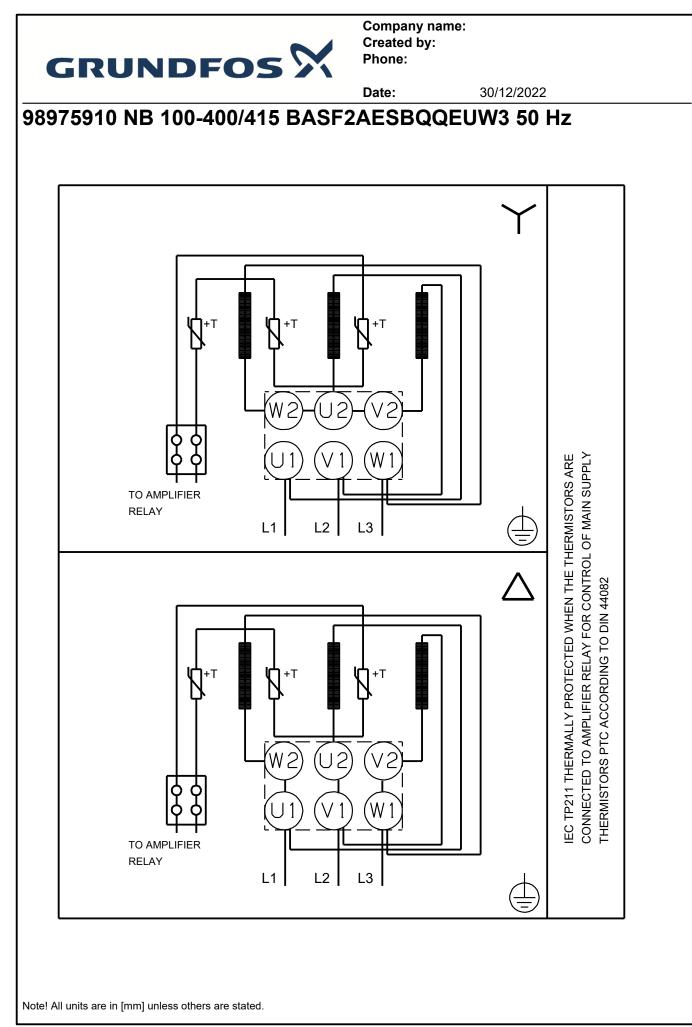
Company name: Created by: Phone:

Date:

30/12/2022

Description	Value
Motor efficiency at full load:	94.6-94.6 %
Motor efficiency at 3/4 load:	95.1-95.1 %
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:	99032216
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:	673 kg
Gross weight:	698 kg
Shipping volume:	0.826 m³
Danish VVS No.:	386065408







Your pos.

Position

Company name: Created by: Phone:

Date: 30/12/2022 Order Data: Total **Product name** Amount **Product No** NB 100-400/415 98975910 1 Price on request

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