

The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.

The motor has thermistors (PTC sensors) in the windings in accordance with DIN 44081/DIN 44082. The protection reacts to both slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.



Company name: Created by: Phone:

_			Date:	30/12/2022			
y.	Description						
-	Thermal switches must be connected to an external control circuit in a way which ensures that the automatic reset cannot cause accidents. The motors must be connected to a motor-protective circuit breaker according to local regulations.						
	The motor can be connected to a variable speed drive for adjustment of pump performance to any duty point. Grundfos CUE offers a range of variable speed drives. Please find more information in Grundfos Product Center.						
	Further product details 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 particles as a thin, well-controlled layer on the surface.						
	Technical data						
	Controls:						
	Frequency converter:	NONE					
	Pressure sensor:	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		975 rpm				
	Rated flow:	118.9 m³/h					
	Rated head:	9.699 m					
	Actual impeller diameter:	274 mm 250					
	Nominal impeller diameter: Shaft seal arrangement:	250 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	30				
	Internal pump house coating:	CED					
	Shaft:	Stainless stee	el				
		EN 1.4301					
		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 Groaso					
	Bearing lubrication: Pump housing with feet:	Grease Yes					
	Support block (Yes/No):	res N					
	Ouppoint block (100/100).	IN I					

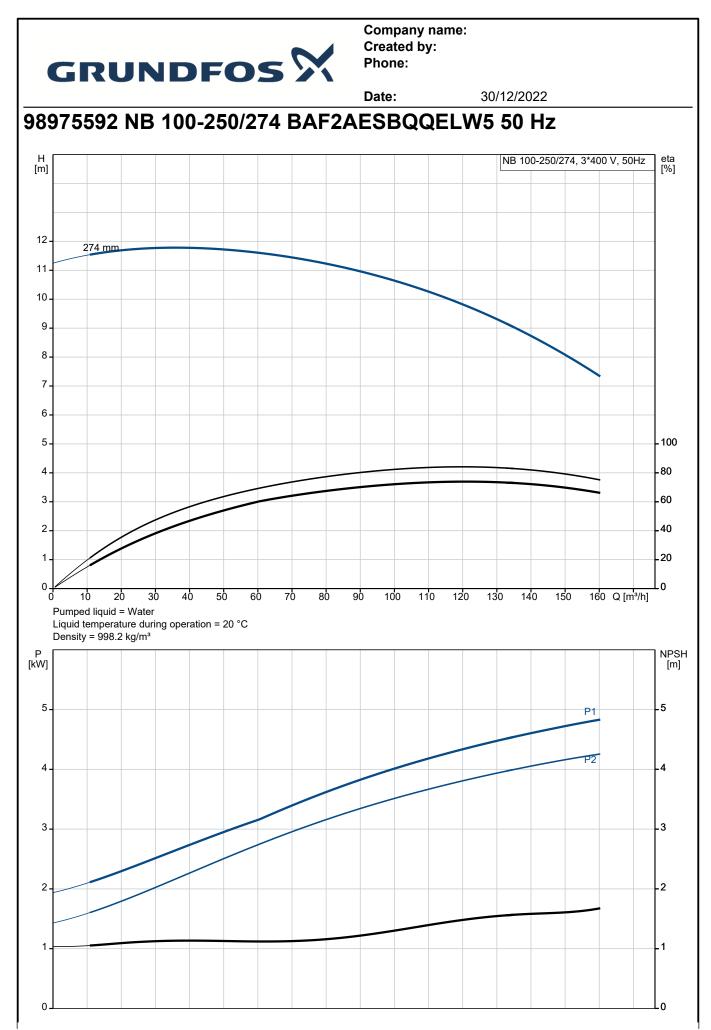


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Company name: Created by: Phone:

Date: 30/12/2022 Description Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 5.5 kW Mains frequency: 50 Hz 3 x 380-420D/660-725Y V Rated voltage: Rated current: 12.5/7.3 A Starting current: 680-680 % Cos phi - power factor: 0.72 Rated speed: 975 rpm Efficiency: IE3 88% Motor efficiency at full load: 88-88 % Motor efficiency at 3/4 load: 88.1-88.1 % Motor efficiency at 1/2 load: 86.9-86.9 % Number of poles: 6 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 83W15217 Bearing insulation type N-end: STEEL BEARING Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 173 kg Gross weight: 194 kg Shipping volume: 0.509 m³ Danish VVS No.: 386065262





Company name: Created by: Phone:

		Date:	30/12/2022
Description	Value	H [m]	NB 100-250/274, 3*400 V, 50Hz eta [%]
General information:	- Taldo		
Product name:	NB 100-250/274 BAF2AESBQQELW5	12 - 274 mm	
Product No:	98975592	11	
EAN number:	5712604545461	10 -	
Technical:	3712004343401	9 -	
Pump speed on which pump data are based:	975 rpm	8 - 7 -	
Rated flow:	118.9 m³/h	6 -	
Rated head:	9.699 m	5 -	- 100
Actual impeller diameter:	274 mm	4 -	80
Nominal impeller diameter:	250	3-	60
Shaft seal arrangement:	Single	2	40
Shaft diameter:	32 mm	1	- 20
Code for shaft seal:	BQQE	0 20	40 60 80 100 120 140 Q [m ³ /h]
Curve tolerance:	ISO9906:2012 3B2		
Pump version:	A	Pumped liquid Liquid tempera	= Water ture during operation = 20 °C
•	A Standard	Density = 998.	2 kg/m ³
Bearing design: Materials:	Stanuaru	P [kW]	NP [n
	Castiron	5-	P1 -5
Pump housing:	Cast iron		
Pump housing:	EN-GJL-250	4	P2 4
Pump housing:	ASTM class 35		
Wear ring:	Brass	3	3
Impeller:	Cast iron		
Impeller:	EN-GJL-200	2	2
Impeller:	ASTM class 30		
Internal pump house coating:	CED	1-	1
Material code:	A		
Code for rubber:	E	0	
Shaft:	Stainless steel		
Shaft:	EN 1.4301	383	
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	160	
Size of outlet connection:	DN 100	8	000
Pressure rating for connection:	PN 16		
Bearing lubrication:	Grease		
Pump housing with feet:	Yes		
Support block (Yes/No):	Ν	— "T"	
Connect code:	F2		
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	-25 120 °C		Y
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m ³		
Electrical data:	5	— ¹ ¹	
Motor type:	SIEMENS		
IE Efficiency class:	IE3		
Rated power - P2:	5.5 kW	TO AMPLIFIER RELAY	
Mains frequency:	50 Hz	_	
Rated voltage:	3 x 380-420D/660-725Y V		
Rated current:	12.5/7.3 A	Ц+т Ц+т	
Starting current:	680-680 %		
Cos phi - power factor:	0.72	📙 🐙	
Rated speed:	975 rpm	() [] [] [] [] [] [] [] [] [] [] [] [] []	
		TO AMPLIFIER RELAY L1	
Efficiency:	IE3 88%		

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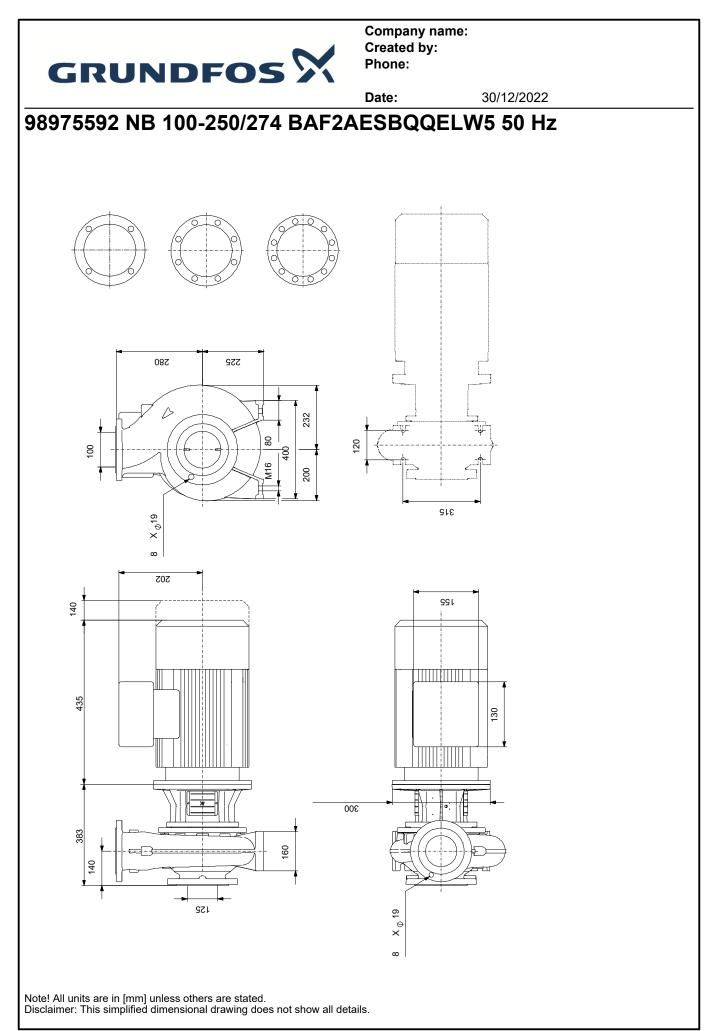


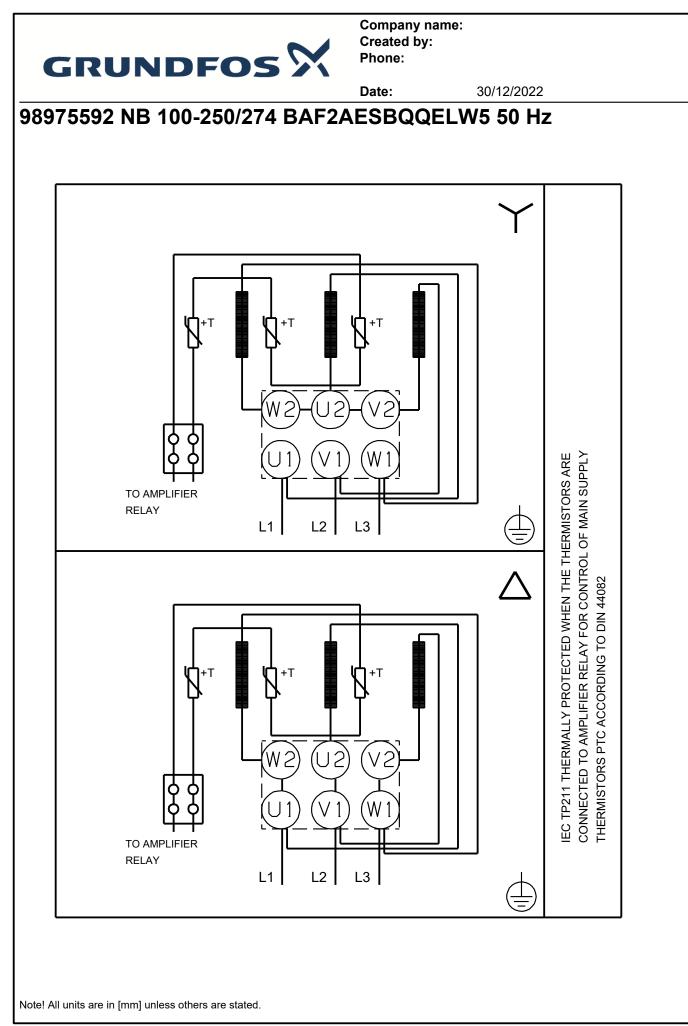
Company name: Created by: Phone:

Date:

30/12/2022

Description	Value
Motor efficiency at full load:	88-88 %
Motor efficiency at 3/4 load:	88.1-88.1 %
Motor efficiency at 1/2 load:	86.9-86.9 %
Number of poles:	6
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	83W15217
Mount. design. acc. IEC 34-7:	IM B5
Bearing insulation type N-end:	STEEL BEARING
Controls:	
Frequency converter:	NONE
Pressure sensor:	Ν
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	173 kg
Gross weight:	194 kg
Shipping volume:	0.509 m³
Danish VVS No.:	386065262







Position

Company name: Created by: Phone:

 Priorie.

 Date: 30/12/2022

 Order Data:

 Your pos.
 Product name
 Amount
 Product No
 Total

 NB 100-250/274
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 98975592
 Price on request