

Wear rings used in pump housing and for impeller are made of bronze/brass. Motor stool and pump cover are made of cast iron (EN-GJL-250). Coupling guards are fitted to the motor stool. The pump cover is provided with a manual air vent screw for venting of the pump housing and the shaft seal chamber.

15/08/2022

The pump is fitted with an unbalanced rubber bellows seal with torque transmission across the spring and around the bellows. Due to the bellows, the seal does not wear the shaft, and the axial movement is not prevented by deposits on the shaft.

Seal faces:

- Rotating seal ring material: silicon carbide (SiC)
- Stationary seat material: silicon carbide (SiC)

This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.

Secondary seal material: EPDM (ethylene-propylene rubber)

EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.

The pump housing has feet.

The pump is to be secured to the foundation with bolts through the pump housing feet and motor feet. The pump is delivered with steel support blocks. The support blocks provide horizontal alignment of the pump and ensure clearance between the motor stool/motor flange and the foundation.

Motor



			Date:	15/08/2022			
Qty.	Description						
1	The motor is a totally enclosed, tolerances comply with IEC 6003	an-cooled motor with prir	cipal dimensions to	IEC and DIN standards. Electrical			
	The motor efficiency is classified	as IE3 in accordance wit	h IEC 60034-30-1.				
	The motor has thermistors (PTC reacts to both slow- and quick-ri	sensors) in the windings sing temperatures, e.g. co	in accordance with onstant overload and	DIN 44081/DIN 44082. The protection d stalled conditions.			
	Thermal switches must be conne cannot cause accidents. The mo regulations.	ected to an external contr tors must be connected to	ol circuit in a way wl o a motor-protective	nich ensures that the automatic reset circuit breaker according to local			
	The motor can be connected to Grundfos CUE offers a range of	a variable speed drive for variable speed drives. Ple	adjustment of pump ease find more infor	performance to any duty point. mation 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 par a thin, well-controlled layer on the surface.						
	Technical data						
	Controls:						
	Frequency converter:	NONE					
	Pressure sensor:	Ν					
	Liquid:						
	Pumped liquid:	Water					
	Liquid temperature range:	-25 120 °C					
	Selected liquid temperature:	20 °C					
	Density:	998.2 kg/m ³					
	Technical:						
	Pump speed on which pump data are based: 1470 rpm						
	Rated flow:	114 m³/h					
	Rated head:	35.97 m					
	Actual impeller diameter:	347 mm					
	Nominal impeller diameter:	400					
	Shaft seal arrangement:	Single					
	Code for shaft seal:	BQQE					
	Curve tolerance:	ISO9906:2012 3B					
	Bearing design:	Standard					
	Materials:						
	Pump housing:	Cast iron EN-GJL-250 ASTM class 35					
	Wear ring:	Brass					
	Impeller:	Cast iron					
	1						

Cast iron EN-GJL-200 ASTM class 30

Stainless steel EN 1.4301 AISI 304

CED

55 °C

16 bar

DN 100

EN 1092-2

Maximum operating pressure:

Pipe connection standard:

Size of inlet connection:

Internal pump house coating:

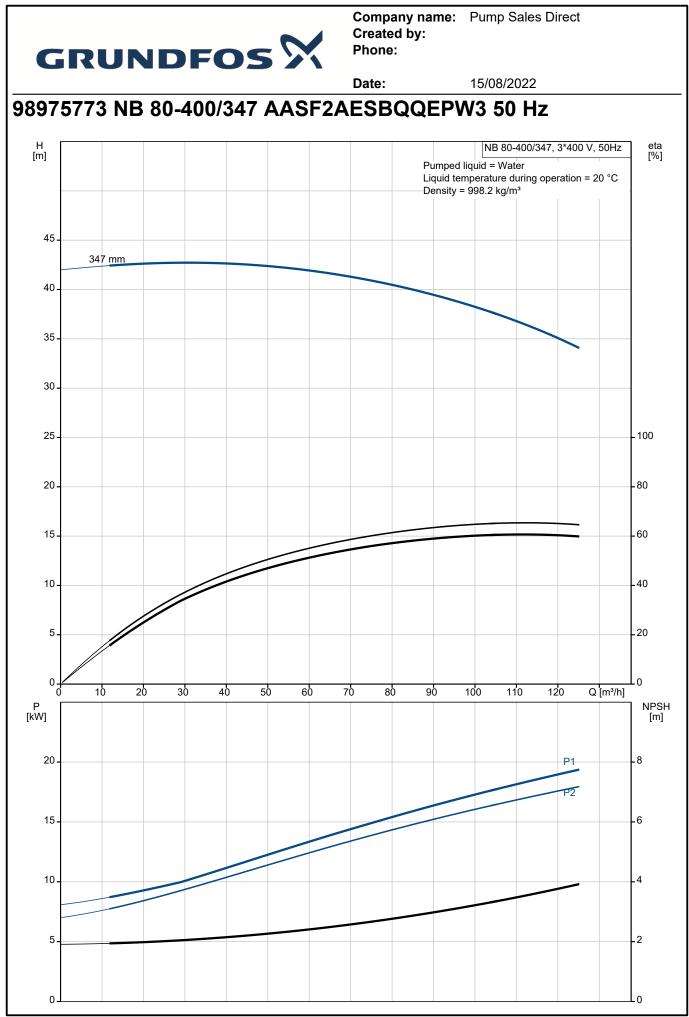
Shaft:

Installation:

t max amb:



ty.		Date:	15/08/2022
-	Description		
1	Size of outlet connection:	DN 80	
	Pressure rating for connection:	PN 16	
	Bearing lubrication:	Grease	
	Pump housing with feet:	Yes	
	Support block (Yes/No):	Y	
	Electrical data:		
	Motor type:	SIEMENS	
	IE Efficiency class:	IE3	
	Rated power - P2:	18.5 kW	
	Mains frequency:	50 Hz	
	Rated voltage:	3 x 380-420D/660-725Y V	
	Rated current:	35/20.5 A	
	Starting current:	720-720 %	
	Cos phi - power factor:	0.82	
	Rated speed:	1470 rpm	
	Efficiency:	IE3 92,6%	
	Motor efficiency at full load:	92.6-92.6 %	
	Motor efficiency at 3/4 load:	93.1-93.1 %	
	Motor efficiency at 1/2 load:	92.9-92.9 %	
	Number of poles:	4	
	Enclosure class (IEC 34-5):	IP55	
	Insulation class (IEC 85):	F	
	Motor No:	99032194	
	Bearing insulation type N-end:	STEEL BEARING	
	Others:		
	Minimum efficiency index, MEI ≥	: 0.44	
	Net weight:	346 kg	
	Gross weight:	379 kg	
	Shipping volume:	0.951 m ³	
	Danish VVS No.:	386064401	
		HU	
	Country of origin:		



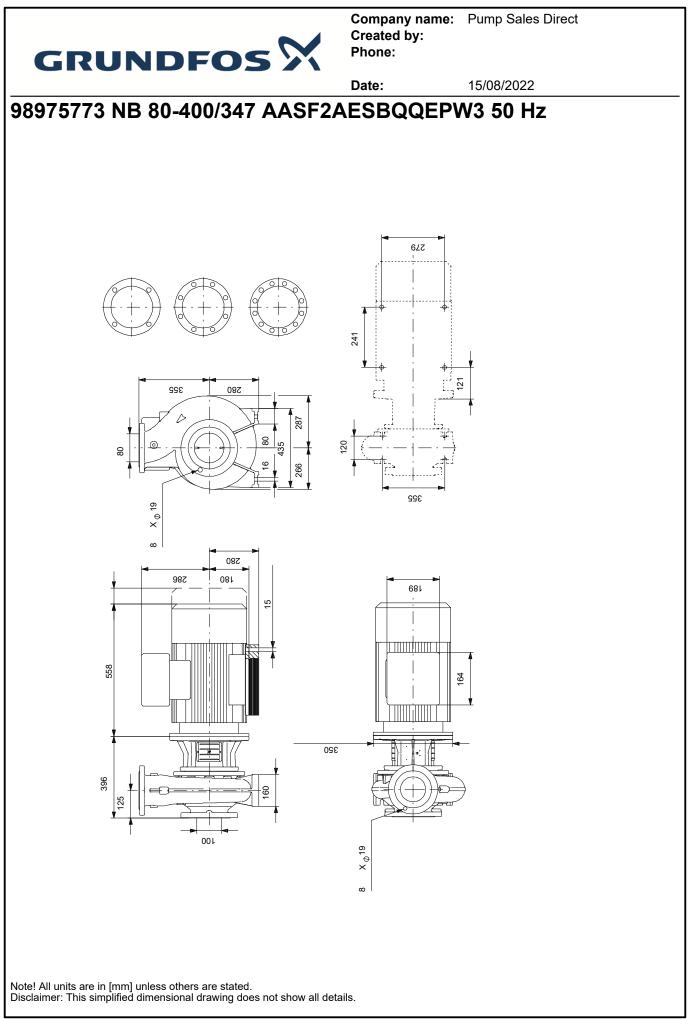


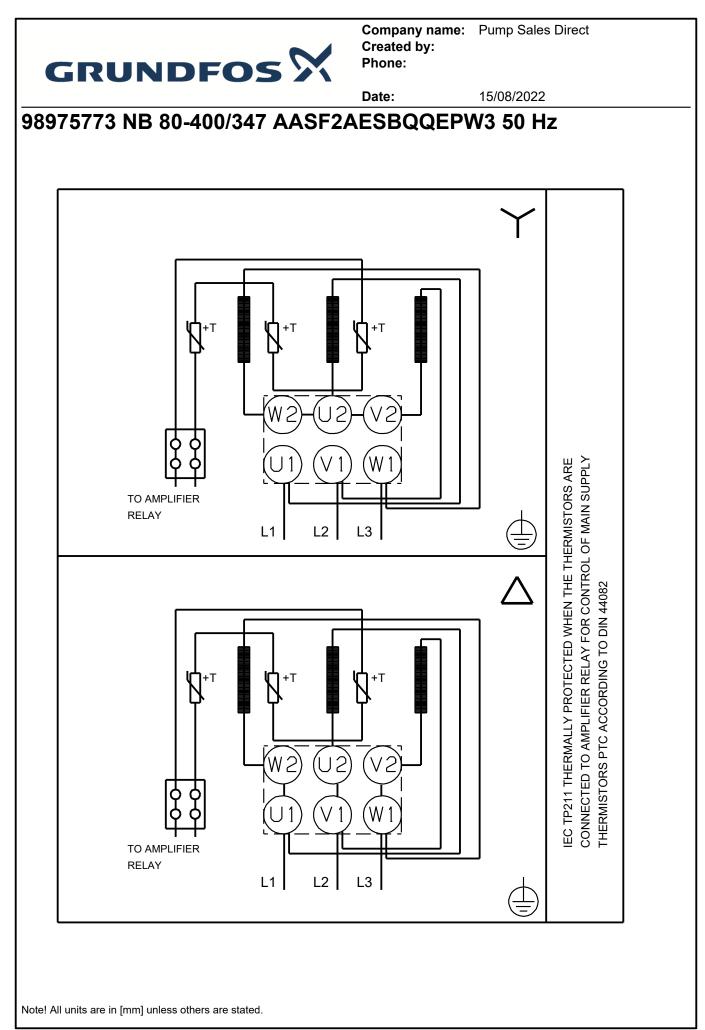
Description	Value	H				NB 8	30-400/3	47, 3*400 V,	50Hz	eta
Description General information:	Value	[m]				liquid = V		1 1		[%]
	NB 80-400/347					mperature = 998.2 kç		operation = 2	20 °C	
Product name:	AASF2AESBQQEPW3	45 -	347 m		Density	000.2 Ng	,	+ +		
Product No:	98975773		347 m	m						
EAN number:	5712604549148	40 -								
Technical:		35 -								
Pump speed on which pump data are based:	1470 rpm	30 -								
Rated flow:	114 m³/h									
Rated head:	35.97 m	25 -								100
Actual impeller diameter:	347 mm									
Nominal impeller diameter:	400	20 -								- 80
Shaft seal arrangement:	Single	15 -							_	60
Shaft diameter:	42 mm	13 -								Γ
Code for shaft seal:	BQQE	10 -								- 40
Curve tolerance:	ISO9906:2012 3B									
Pump version:	AS	5 -		-						- 20
Bearing design:	Standard									
Materials:		0-	2	0 4	0 6	0 8	6 -	100 Q	[m³/h]	Lo
Pump housing:	Cast iron	P [kW]		-	-	-				NPSI
Pump housing:	EN-GJL-250									[m]
Pump housing:	ASTM class 35	20 -						P	1	- 8
Wear ring:	Brass							P	2	Ι.
Impeller:	Cast iron	15 -						-		-6
Impeller:	EN-GJL-200									
		10 -							-	- 4
Impeller:	ASTM class 30									
Internal pump house coating: Material code:	CED	5 -								-2
	A									
Code for rubber:	E	0 -								Lo
Shaft:	Stainless steel									
Shaft:	EN 1.4301									
Shaft:	AISI 304		1	,	558			19	₩.	
Installation:			125	- - -		+		स्ति म ∜	+)	
t max amb:	55 °C		циĨ			-18		× *	₽ R S	
Maximum operating pressure:	16 bar		₽₽	臍に		88.8	t@	୬)∦ ∜	+	
Pipe connection standard:	EN 1092-2					5			APR .	
Size of inlet connection:	DN 100		-	+			435	287	+	
Size of outlet connection:	DN 80			350						
Pressure rating for connection:	PN 16	8_2	<u>o19</u> \.57	a. hu—				241	<u> </u>	-
Bearing lubrication:	Grease		K G			- <u>8</u>	se	*		2
Pump housing with feet:	Yes			M		t	L _a l,	∲		_
Support block (Yes/No):	Y		~	· •	•					
Connect code:	F2									
Liquid:										
Pumped liquid:	Water									
Liquid temperature range:	-25 120 °C				Ý					
Selected liquid temperature:	20 °C									
Density:	998.2 kg/m³			ат П +т						
Electrical data:			¤ ∎B	∎ B	₽					
Motor type:	SIEMENS	—	Щ ЦŘ	<u>-0</u> 0	-					
IE Efficiency class:	IE3		¥Й (<u>)@@</u>		IS ARE UPPLY				
Rated power - P2:	18.5 kW	TO AMP RELAY	LPIER L1	L2 L3	(¢	E MINSUPPLY				
Mains frequency:	50 Hz				Δ	THE THEF NTROL OI				
Rated voltage:	3 x 380-420D/660-725Y V	—				D WHEN FOR OOF D DIN 440				
Rated current:	35/20.5 A		N+T N	т 10,+т		RELAY RELAY RDNG T(
Starting current:	720-720 %		ĬĮ	<u> </u>	┦	MALLY PF AMPUFIE TC ACCO				
Cos phi - power factor:	0.82		H H	9 (Y) (Y)	-	THER				
Rated speed:	1470 rpm	TO AM	фф (U	<u>v (v) (w)</u>		IEC TP2 CONNEC THERME				
Efficiency:	IE3 92,6%	RELAY		L2 L3	 					

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		Date:	15/08/2022
Description	Value		
Motor efficiency at full load:	92.6-92.6 %		
Motor efficiency at 3/4 load:	93.1-93.1 %		
Motor efficiency at 1/2 load:	92.9-92.9 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	PTC		
Motor No:	99032194		
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 ≥:	0.44		
Net weight:	346 kg		
Gross weight:	379 kg		
Shipping volume:	0.951 m³		
Danish VVS No.:	386064401		
Country of origin:	HU		
Custom tariff no.:	84137051		







Date: 15/08/2022 Order Data: 15/08/2022								
		NB 80-400/347	1	98975773	Price o reques			