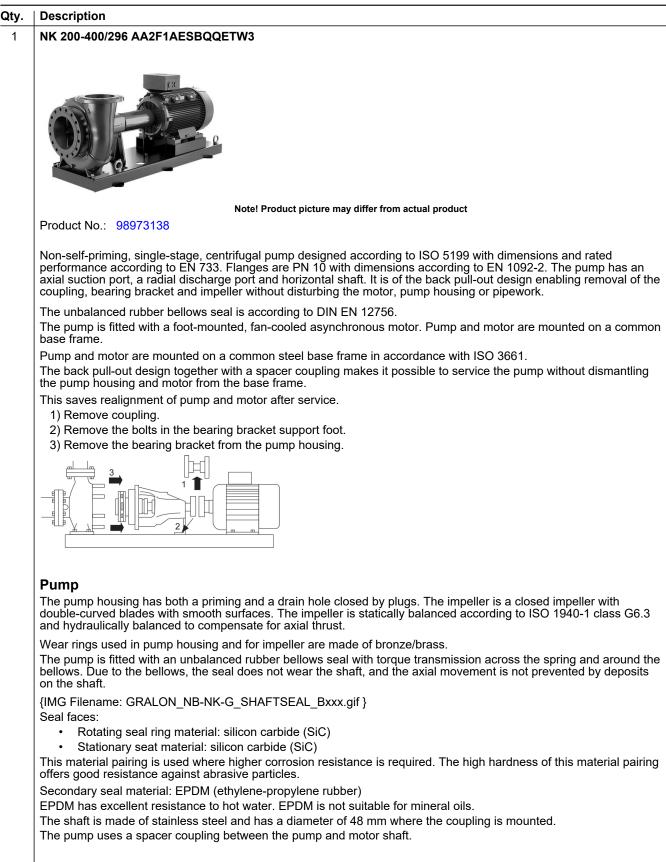


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Company name: Created by: Phone:

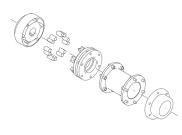
Date: 16/06/2022





Date:

16/06/2022



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.

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.

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.

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.

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: Pressure sensor:	NONE N
Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	Water -25 120 °C 20 °C 998.2 kg/m³
Technical: Pump speed on which pump data Rated flow: Pump with motor (Yes/No): Rated head: Actual impeller diameter: Nominal impeller diameter: Code for shaft seal: Mechanical seal type: Curve tolerance: Bearing design:	a are based: 1478 rpm 435.4 m³/h Y 26.39 m 296 mm 400 BQQE Single ISO9906:2012 3B Standard
Materials: Pump housing:	Cast iron EN-GJL-250
Wear ring: Impeller:	ASTM class 35 Brass Cast iron EN-GJL-200



Qty. |

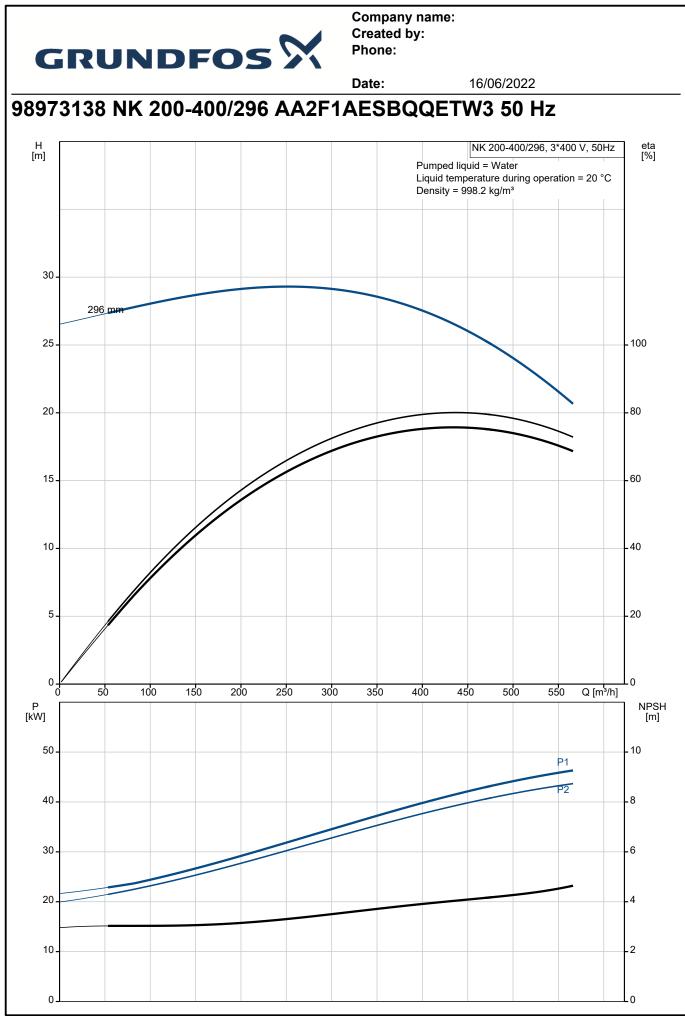
Description

Company name: Created by: Phone:

16/06/2022

Date: ASTM class 30 Internal pump house coating: CED

Shaft:	Stainless steel EN 1.4301 AISI 304
Installation: t max amb: Maximum operating pressure: Pipe connection standard: Type of inlet connection: Type of outlet connection: Size of inlet connection: Size of outlet connection: Pressure rating for connection: Coupling type: Base frame design: Code for base frame: Grouting (Yes/No):	55 °C 10 bar EN 1092-2 DIN DIN DN 250 DN 200 PN 10 Flexible w/spacer EN/ISO 10F N
Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Motor efficiency at 3/4 load: Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85): Motor No: Bearing insulation type N-end:	SIEMENS IE3 45 kW 50 Hz 3 x 380-420D/660-725Y V 80/46.5 A 660-660 % 0.86 1478 rpm IE3 94,2% 94.2-94.2 % 94.2-94.2 % 94.9-94.9 % 95-95 % 4 IP55 F 98957821 STEEL BEARING
Others: Minimum efficiency index, MEI ≥: Net weight: Gross weight: Shipping volume: Country of origin: Custom tariff no.:	0.52 1120 kg 1160 kg 2.3 m ³ HU 84137059



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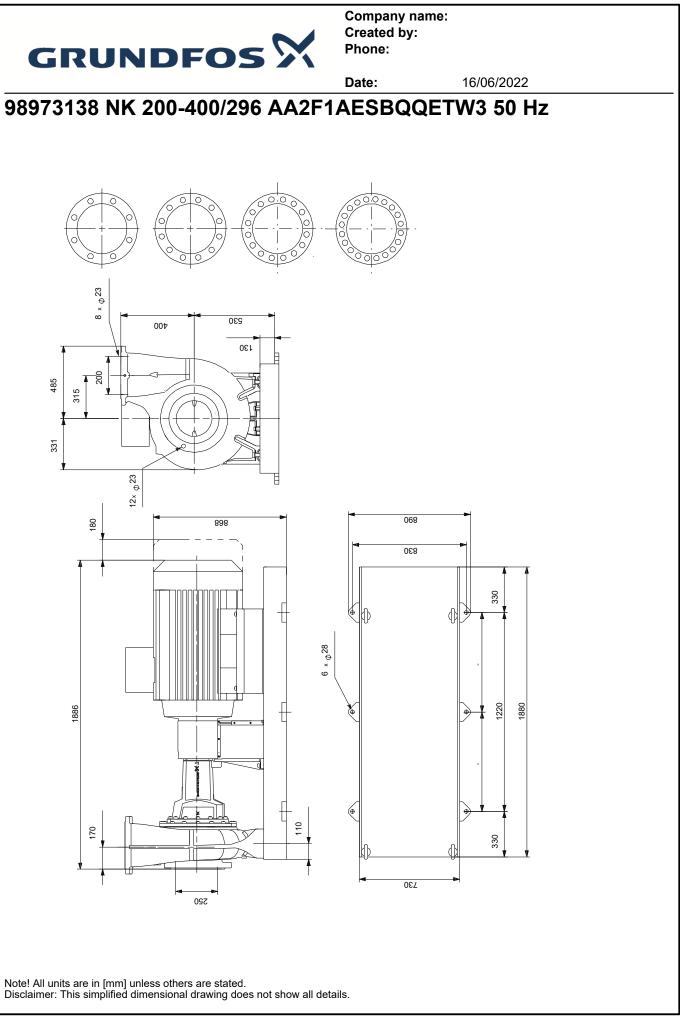


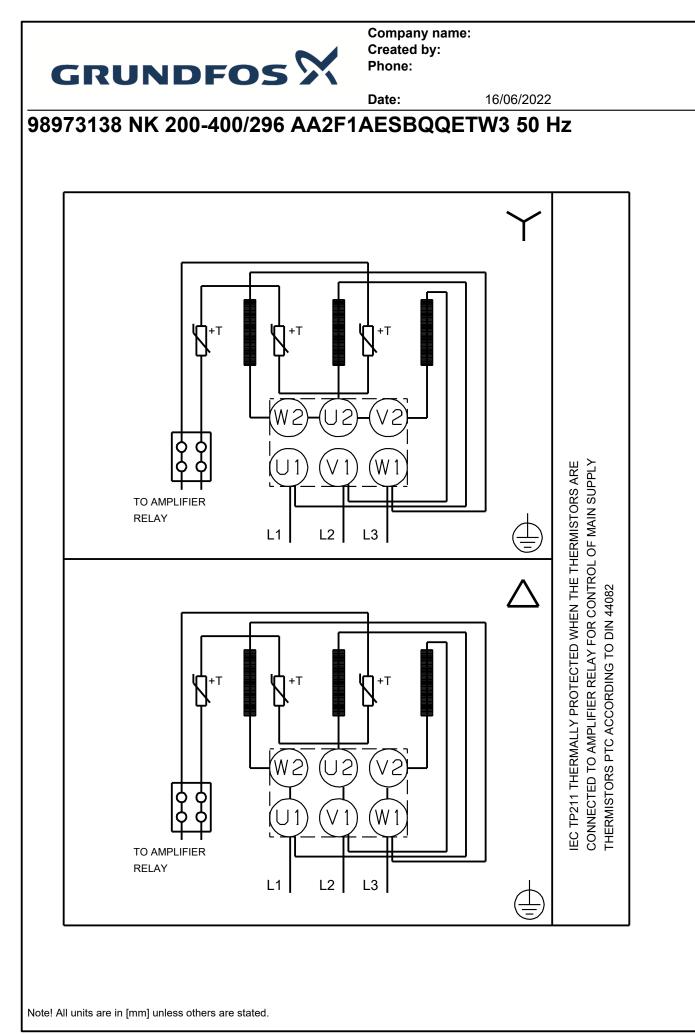
		Date:	16/06/2022	
Description	Value	H [m]	NK 200-400/296, 3*400 V, 50Hz	eta %]
General information:	Value	L	Pumped liquid = Water	
Product name:	NK 200-400/296 AA2F1AESBQQETW3		Liquid temperature during operation = 20 °C Density = 998.2 kg/m³	
Product No:	98973138	30 -		
EAN number:	5712604499054	296 m		
Technical:				
Pump speed on which pump data are based:	1478 rpm	25 -	100)
Rated flow:	435.4 m³/h	20 -	- 80	
Pump with motor (Yes/No):	Y			
Rated head:	26.39 m	15 -	60	
Actual impeller diameter:	296 mm	10-		
Nominal impeller diameter:	400			
Shaft diameter:	48 mm	10 -	40	
Code for shaft seal:	BQQE	_		
Mechanical seal type:	Single	5	20	
Curve tolerance:	ISO9906:2012 3B			
Pump version:	A2			
Bearing design:	Standard	0 1	0 200 300 400 500 Q [m³/h]	
Materials:		P [kW]		PSH [m]
Pump housing:	Cast iron	50 -		r)
Pump housing:	EN-GJL-250			
Pump housing:	ASTM class 35	40 -	^{p2} 8	
Wear ring:	Brass	30 -	6	
Impeller:	Cast iron	30 -	-0	
Impeller:	EN-GJL-200	20 -	4	
Impeller:	ASTM class 30			
Internal pump house coating:	CED	10 -	-2	
Material code:	A			
Code for rubber:	E			
Shaft:	Stainless steel			
Shaft:	EN 1.4301	•		6
Shaft:	AISI 304			Þ
Installation:				2
t max amb:	55 °C		─ ┨──╢ ───── ╡┤╎┆│ (-∜((┼))) [↓] ╡──╡ ({、┼╴	
Maximum operating pressure:	10 bar			.y \
Pipe connection standard:	EN 1092-2			-)}-
Type of inlet connection:	DIN	110	and the second se	9
Type of outlet connection:	DIN			200
Size of inlet connection:	DN 250			
Size of outlet connection:	DN 200		008 008	
Pressure rating for connection:	PN 10			
Coupling type:	Flexible w/spacer	330	1220 330	
Base frame design:	EN/ISO	-		
Code for base frame:	10F			
Grouting (Yes/No):	N		~	
Connect code:	F	_		
Liquid:				
Pumped liquid:	Water	—— ½, ₿		
Liquid temperature range:	-25 120 °C			
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m ³	TO AMPLIFIER RELAY		
Electrical data:	U			
Motor type:	SIEMENS			
IE Efficiency class:	IE3	N+⊤ I N		
Rated power - P2:	45 kW	— Ĭ ¶,Ľ		
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-420D/660-725Y V	TO AMPLIFIER		
Rated current:	80/46.5 A	International In		

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		Date:	16/06/2022	
Description	Value			
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			
Built-in motor protection:	PTC			
Motor No:	98957821			
Bearing insulation type N-end:	STEEL BEARING			
Controls:				
Frequency converter:	NONE			
Pressure sensor:	Ν			
Others:				
Minimum efficiency index, MEI ≥:	0.52			
Net weight:	1120 kg			
Gross weight:	1160 kg			
Shipping volume:	2.3 m³			
Country of origin:	HU			
Custom tariff no.:	84137059			







16/06/2022

Order Data:

Product name:NK 200-400/296Amount:1Product No:98973138

Total: Price on request