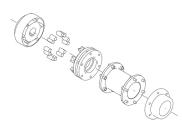


_	Date:	16/06/2022
	Description	
	NK 250-400/313 AA2F1AESBQQEPW5	
	63	
	Note! Product picture may differ from act	ual product
	Product No.: 98973054	
	Non-self-priming, single-stage, centrifugal pump designed according to performance according to EN 733. Flanges are PN 10 with dimensions	ISO 5199 with dimensions and rated
	axial suction port, a radial discharge port and horizontal shaft. It is of the	e back pull-out design enabling removal of
	coupling, bearing bracket and impeller without disturbing the motor, pur	np housing or pipework.
	The unbalanced rubber bellows seal is according to DIN EN 12756. The pump is fitted with a foot-mounted, fan-cooled asynchronous motor	r. Pump and motor are mounted on a com
	base frame.	
	Pump and motor are mounted on a common steel base frame in accord	
	The back pull-out design together with a spacer coupling makes it poss the pump housing and motor from the base frame.	ible to service the pump without dismantlir
	This saves realignment of pump and motor after service.	
	1) Remove coupling.	
	2) Remove the bolts in the bearing bracket support foot.3) Remove the bearing bracket from the pump housing.	
	Pump	
	The pump housing has both a priming and a drain hole closed by plugs	. The impeller is a closed impeller with
	double-curved blades with smooth surfaces. The impeller is statically ba and hydraulically balanced to compensate for axial thrust.	alanced according to ISO 1940-1 class G6
	Wear rings used in pump housing and for impeller are made of bronze/	brass
	The pump is fitted with an unbalanced rubber bellows seal with torque t	ransmission across the spring and around
	bellows. Due to the bellows, the seal does not wear the shaft, and the a on the shaft.	axial movement is not prevented by deposi
	{IMG Filename: GRALON_NB-NK-G_SHAFTSEAL_Bxxx.gif }	
	Seal faces:	
	Rotating seal ring material: silicon carbide (SiC) Stationary seat material: silicon carbide (SiC)	
	 Stationary seat material: silicon carbide (SiC) This material pairing is used where higher corrosion resistance is require 	red. The high hardness of this material pai
	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 n	nineral oils
	The shaft is made of stainless steel and has a diameter of 48 mm wher	c the coupling is mounted.



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.

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: 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: 978 rpm 419.1 m³/h Y 11.49 m 313 mm 400 BQQE Single ISO9906:2012 3B Standard
Materials: Pump housing:	Cast iron EN-GJL-250 ASTM class 35
Wear ring: Impeller:	Brass Cast iron EN-GJL-200



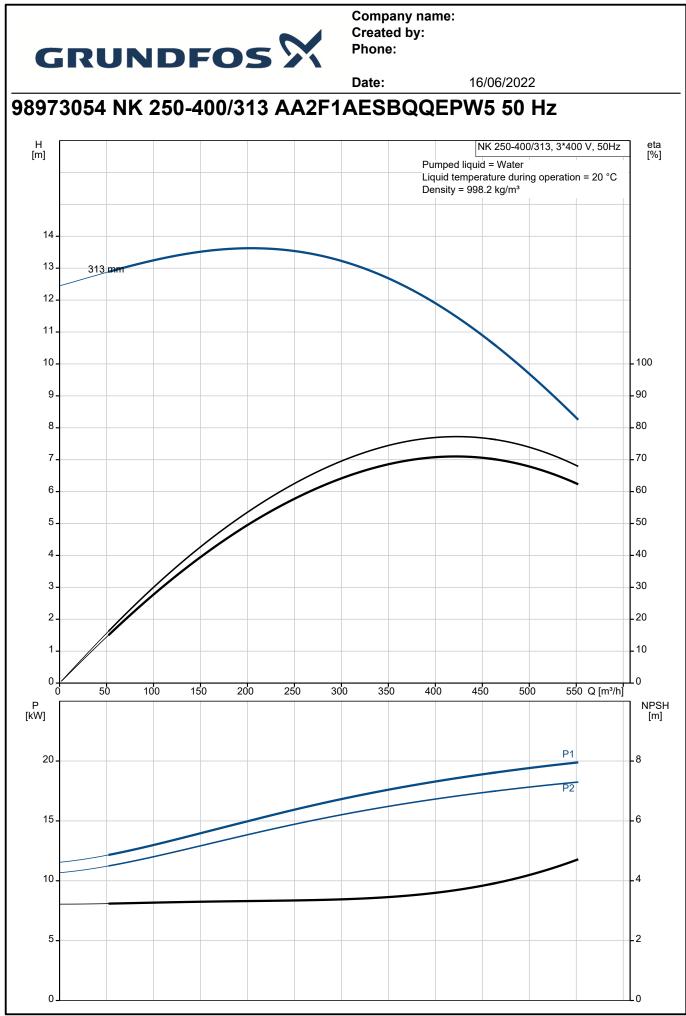
Date:

16/06/2022

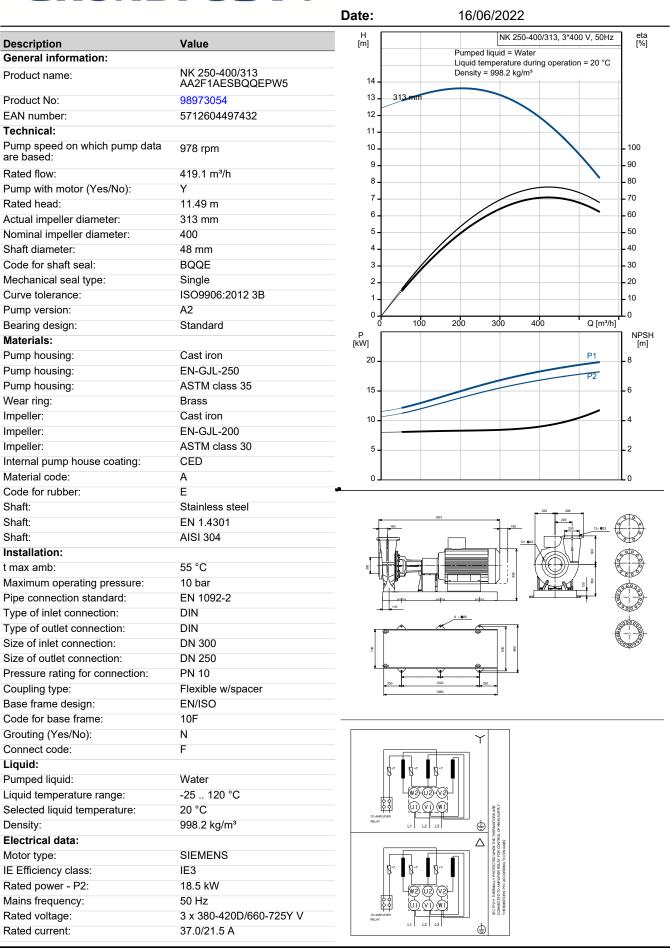
coating:	ASTM class 30 CED Stainless steel EN 1.4301 AISI 304
ressure:	55 °C 10 bar EN 1092 2

Qty. | Description

Internal pump house coating: Shaft:	CED 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 outlet 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 300 DN 250 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 1/2 load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85): Motor No: Bearing insulation type N-end:	SIEMENS IE3 18.5 kW 50 Hz 3 x 380-420D/660-725Y V 37.0/21.5 A 560-560 % 0.79 978 rpm IE3 91,7% 91.7-91.7 % 92.5-92.5 % 92.4-92.4 % 6 IP55 F 98957462 STEEL BEARING
Others: Minimum efficiency index, MEI ≥: Net weight: Gross weight: Shipping volume: Country of origin: Custom tariff no.:	0.42 1060 kg 1160 kg 3.02 m ³ HU 84137059



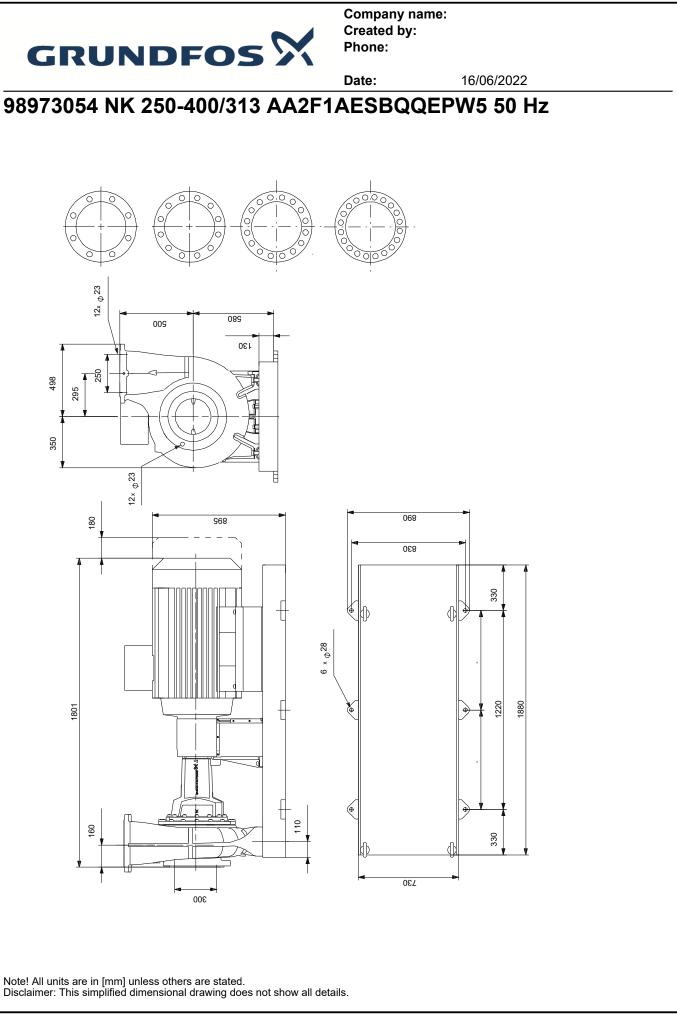


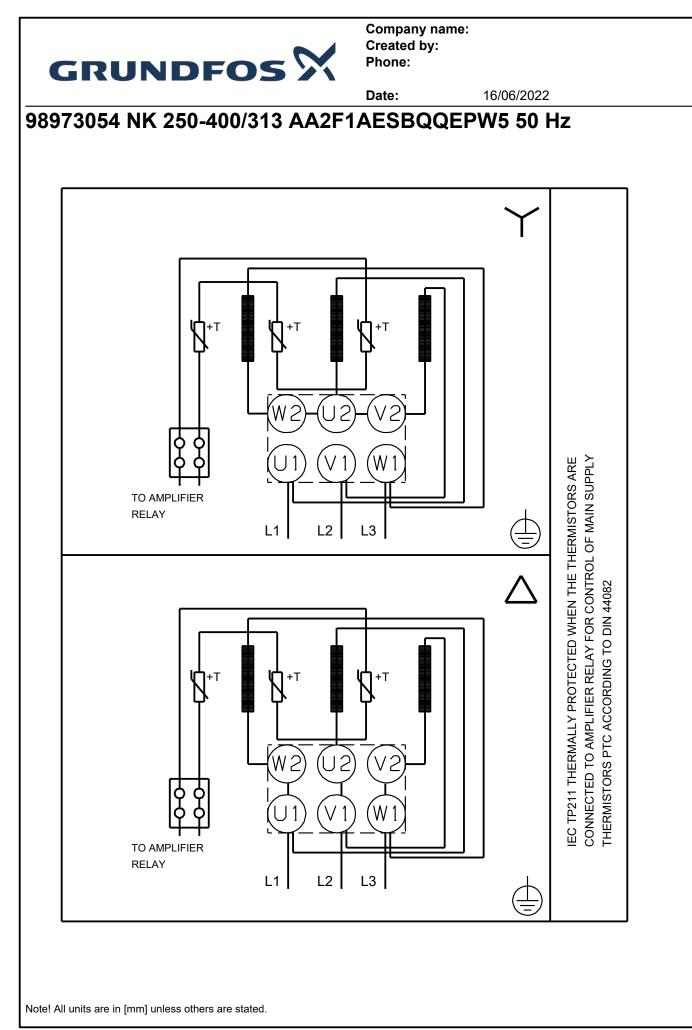


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		Date:	16/06/2022
Description	Value		
Starting current:	560-560 %		
Cos phi - power factor:	0.79		
Rated speed:	978 rpm		
Efficiency:	IE3 91,7%		
Motor efficiency at full load:	91.7-91.7 %		
Motor efficiency at 3/4 load:	92.5-92.5 %		
Motor efficiency at 1/2 load:	92.4-92.4 %		
Number of poles:	6		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	PTC		
Motor No:	98957462		
Bearing insulation type N-end:	STEEL BEARING		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.42		
Net weight:	1060 kg		
Gross weight:	1160 kg		
Shipping volume:	3.02 m ³		
Country of origin:	HU		
Custom tariff no.:	84137059		







16/06/2022

Order Data:

Product name:NK 250-400/313Amount:1Product No:98973054

Total: Price on request