

02/01/2023

Qty. | Description

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NB 125-400/433 AASF2AESBQQEVW3



Product No.: 98975794

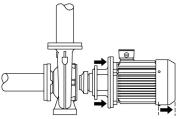
Non-self-priming, single-stage, centrifugal volute pump designed according to ISO 5199 with dimensions and rated performance according to EN 733 (10 bar).

Flanges are PN 16 with dimensions according to EN 1092-2. The pump has an axial suction port, radial discharge port, horizontal shaft and a back pull-out design enabling removal of the motor, motor stool, cover and impeller without disturbing the pump housing or pipework.

The unbalanced rubber bellows seal is according to DIN EN 12756.

The pump is close-coupled to a fan-cooled asynchronous motor.

The back pull-out design means that the pump can be serviced by a single person without disturbing the pump housing or pipes.



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.

Pump

Motor stool and pump cover are made of cast iron (EN-GJL-250). Coupling guards are fitted to the motor stool. 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

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.

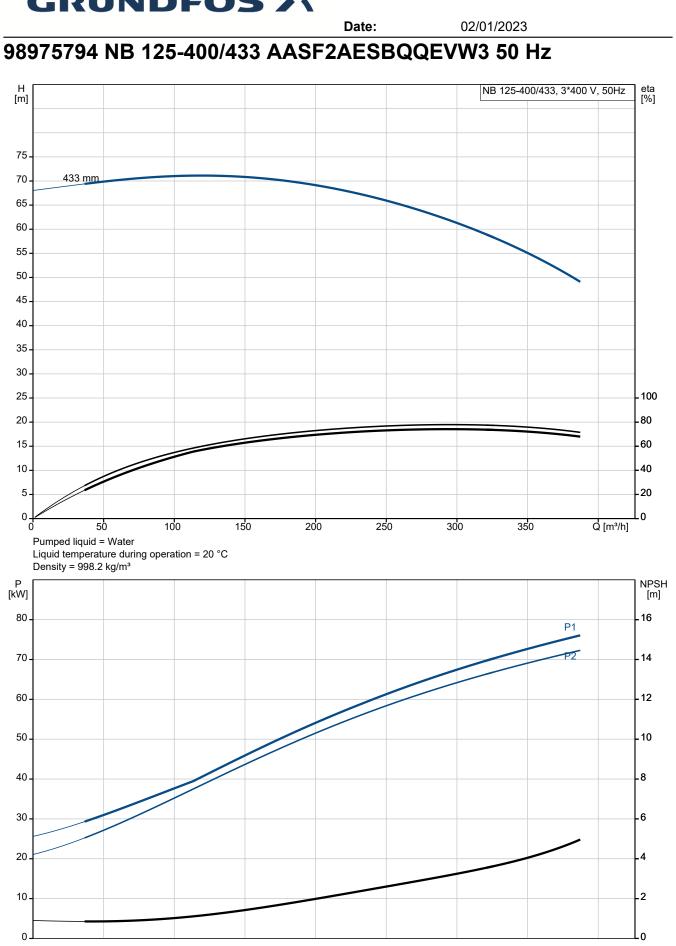


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Descrip	tion			Date:		02/01/2023	
Descrip							-4:
Thermal switches must be connected to an external control circuit in a way which ensures that the automatic reset cannot cause accidents. The motors must be connected to a motor-protective circuit breaker according to local regulations.							
A variab connecte	le speed drive makes ac ed to a variable speed d	ljustment of pu rive, the pump	imp mu	performance to a st be ordered with	ny duty po an electr	pint possible. If the motor is ically insulated motor bearing a second s	to be ng.
	r product details						
high-qua	n parts have an epoxy-b ality dip-painting process ell-controlled layer on th	where an elec	nad ctric	e in a cathodic ele al field around the	ectro-depc e products	sition (CED) process. CED ensures deposition of pain	is a t particles
Techni	ical data						
Controls							
	icy converter: e sensor:	NONE N					
Liquid:							
Pumped	•	Water					
	emperature range:	-25 120 °C					
Selected Density:	l liquid temperature:	20 °C 998.2 kg/m³					
Technica							
	peed on which pump dat		14	l85 rpm			
Rated flo		307.2 m³/h 60.31 m					
	npeller diameter:	433 mm					
	impeller diameter:	400					
	al arrangement:	Single					
	r shaft seal:	BQQE					
Curve to	lerance:	ISO9906:20	12 3	BB			
Bearing	design:	Standard					
Material							
Pump ho	ousing:	Cast iron					
		EN-GJL-250 ASTM class					
Wear rin	ia.	Brass	35				
Impeller		Cast iron					
·		EN-GJL-200					
		ASTM class	30				
	pump house coating:	CED					
Shaft:		Stainless ste EN 1.4301	el				
1		AISI 304					
Installati							
t max an		55 °C					
	m operating pressure:	16 bar					
	nnection standard: nlet connection:	EN 1092-2 DN 150					
	outlet connection:	DN 150 DN 125					
	e rating for connection:	PN 16					
	lubrication:	Grease					
	ousing with feet:	Yes					
	block (Yes/No):	Y					



			Date:	02/01/2023
•	Description			
	Electrical data:			
	Motor type:	SIEMENS		
	IE Efficiency class:	IE3		
	Rated power - P2:	75 kW		
	Mains frequency:	50 Hz		
	Rated voltage:	3 x 380-420D/660-72	25Y V	
	Rated current:	133/77 A		
	Starting current:	690-690 %		
	Cos phi - power factor:	0.86		
	Rated speed:	1485 rpm		
	Efficiency:	IE3 95%		
	Motor efficiency at full load:	95-95 %		
	Motor efficiency at 3/4 load:	95.3-95.3 %		
	Motor efficiency at 1/2 load:	95-95 %		
	Number of poles:	4		
	Enclosure class (IEC 34-5):	IP55		
	Insulation class (IEC 85):	F		
	Motor No:	83V15440		
	Bearing insulation type N-end:	STEEL BEARING		
	bearing insulation type n-end.	STEEL BEARING		
	Others:			
	Minimum efficiency index, MEI ≥:	0.55		
	Net weight:	851 kg		
	Gross weight:	876 kg		
	Shipping volume:	0.883 m ³		
	Danish VVS No.:	386066407		







Description	Value	[m]	NB 125-400/433, 3*400 V, 50Hz et [%
General information:		75 -	
Product name:	NB 125-400/433 AASF2AESBQQEVW3	70 433 mm	
Product No:	98975794	60 -	
EAN number:	5712604549568	55 -	
fechnical:		50 -	
Pump speed on which pump data are based:	1485 rpm	45 - 40 -	
Rated flow:	307.2 m³/h	35 _	
Rated head:	60.31 m	30 -	
Actual impeller diameter:	433 mm	25 -	- 10
Nominal impeller diameter:	400	20 -	- 80
		15	- 40
Shaft seal arrangement:	Single	5	- 20
Shaft diameter:	42 mm	0	
Code for shaft seal:	BQQE	0 50 100	150 200 250 300 350 Q [m³/h]
Curve tolerance:	ISO9906:2012 3B	Pumped liquid = Water	
Pump version:	AS	Liquid temperature dur Density = 998.2 kg/m ³	ing operation = 20 °C
Bearing design:	Standard	P	NF
Materials:		[kW]	P1
Pump housing:	Cast iron	70 -	- 14
Pump housing:	EN-GJL-250		
Pump housing:	ASTM class 35	60 -	12
Wear ring:	Brass	50 -	- 10
mpeller:	Cast iron	40 -	8
•	EN-GJL-200		
mpeller:		30-	6
mpeller:	ASTM class 30	20-	-4
nternal pump house coating:	CED	10	-2
Material code:	A	0	
Code for rubber:	E		<u> </u>
Shaft:	Stainless steel	=	
Shaft:	EN 1.4301		
Shaft:	AISI 304		870
nstallation:		441	
max amb:	55 °C		
Maximum operating pressure:	16 bar		
Pipe connection standard:	EN 1092-2		
Size of inlet connection:	DN 150	200	
Size of outlet connection:	DN 125		284 330
Pressure rating for connection:	PN 16	099	- + 150 - 368
•			
Bearing lubrication:	Grease		
Pump housing with feet:	Yes		
Support block (Yes/No):	Y	· •	
Connect code:	F2		
_iquid:			
Pumped liquid:	Water		
_iquid temperature range:	-25 120 °C		Y
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m³		$\mathbf{f} \mid \mathbf{f} \mid \mathbf{f} \mid \mathbf{f}$
Electrical data:	č		P
Aotor type:	SIEMENS		
E Efficiency class:	IE3		HI I
Rated power - P2:	75 kW		
		L1 L2 L3	
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-420D/660-725Y V		Me TO D
Rated current:	133/77 A		
Starting current:	690-690 %		
Cos phi - power factor:	0.86		I TEAMSTON IN THE MASSION
Rated speed:	1485 rpm	TO AMPLIFIER NELAY	
Efficiency:	IE3 95%	L1 L2 L3	

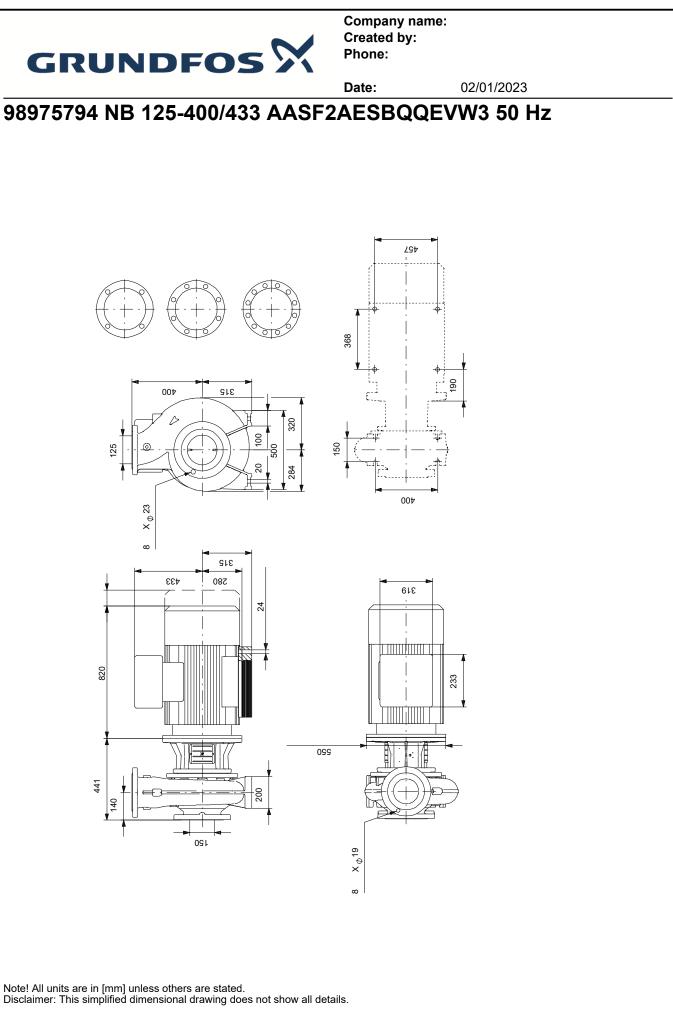
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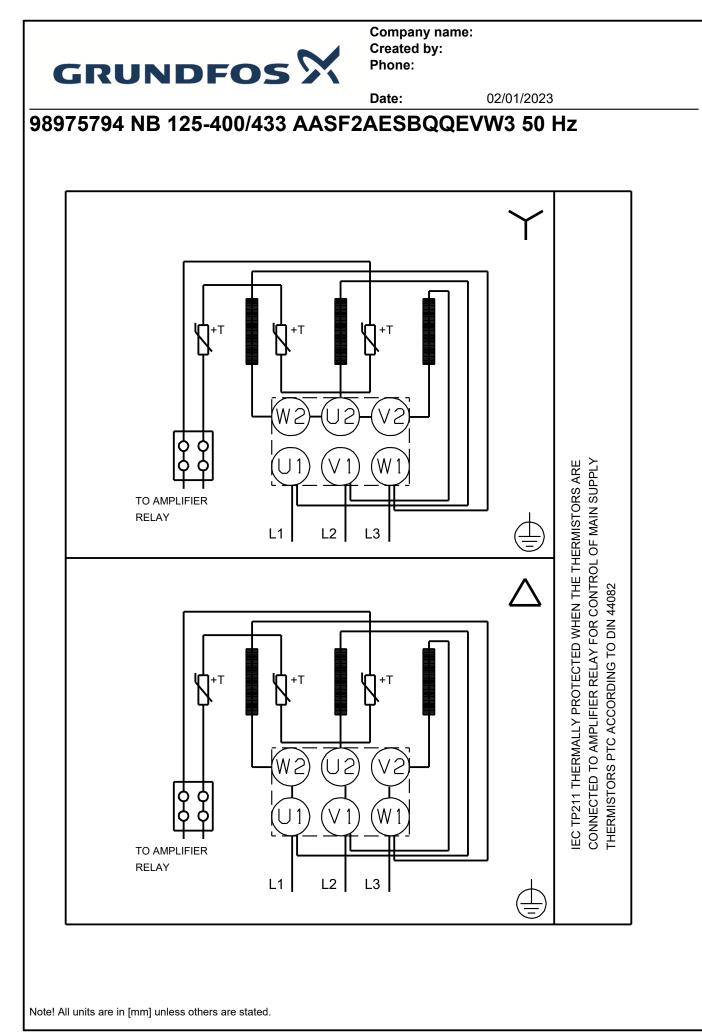


Date:

02/01/2023

Description	Value
Motor efficiency at full load:	95-95 %
Motor efficiency at 3/4 load:	95.3-95.3 %
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:	83V15440
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 ≥:	0.55
Net weight:	851 kg
Gross weight:	876 kg
Shipping volume:	0.883 m³
Danish VVS No.:	386066407







Position

Company name: Created by:

Phone: 02/01/2023 Date: **Order Data:** Your pos. **Product name** Amount **Product No** Total NB 125-400/433 1 98975794 Price on request