



			Date:	15/08/2022			
Qty.	Description						
1	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	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 data are based: 1478 rpm						
	Rated flow:	162.4 m³/h					
	Rated head:	53.09 m					
	Actual impeller diameter: Nominal impeller diameter:	419 mm 400					
	Shaft seal arrangement:	400 Single					
	Code for shaft seal:	BQQE					
	Curve tolerance:	ISO9906:20	12 3B				
	Bearing design:	Standard					
	Materials:						
	Pump housing:	Cast iron EN-GJL-250 ASTM class					
	Wear ring:	Brass	55				
	Impeller:	Cast iron					
		EN-GJL-200 ASTM class					
	Internal pump house coating:	CED					
	Shaft:	Stainless ste	eel				
		EN 1.4301					
		AISI 304					
	Installation:						
	A second a sector						

Maximum operating pressure:

Pipe connection standard:

Size of inlet connection:

t max amb:

55 °C

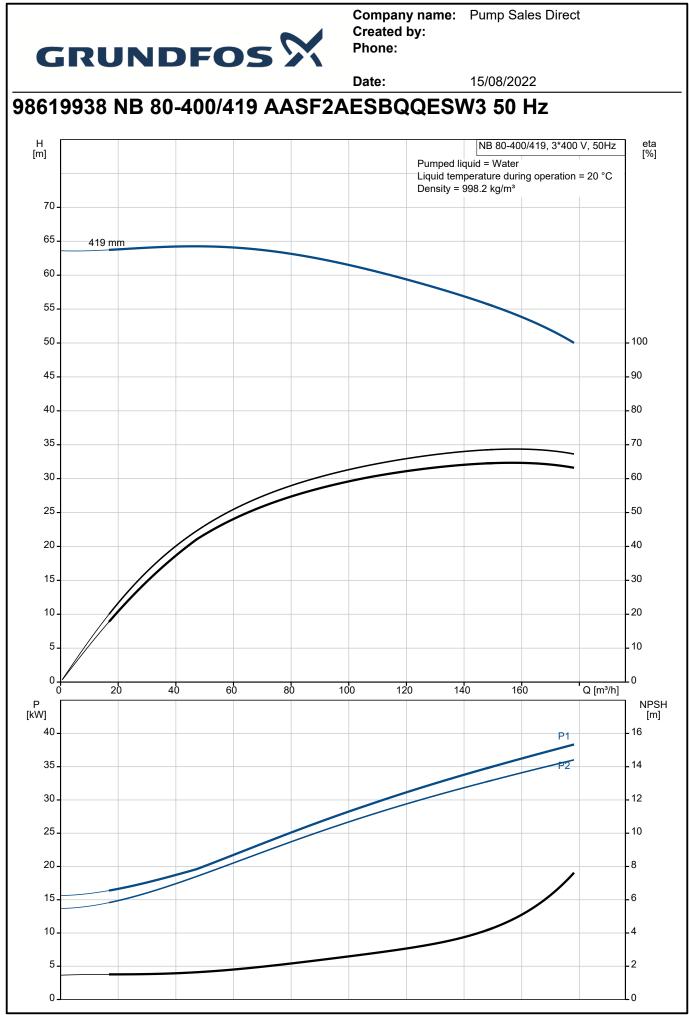
16 bar

DN 100

EN 1092-2



		Date:	15/08/2022	
Qty.	Description			
1	Size of outlet connection: Pressure rating for connection: Bearing lubrication: Pump housing with feet: Support block (Yes/No):	DN 80 PN 16 Grease Yes Y		
	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 35): Motor No: Bearing insulation type N-end:	SIEMENS IE3 37 kW 50 Hz 3 x 380-420D/660-725Y V 66/38.5 A 640-640 % 0.86 1478 rpm IE3 93,9% 93.9-93.9 % 94.5-94.5 % 94.4-94.4 % 4 IP55 F 99032202 STEEL BEARING		
	Others: Minimum efficiency index, MEI ≥ Net weight: Gross weight: Shipping volume: Danish VVS No.: Country of origin: Custom tariff no.:	: 0.44 502 kg 534 kg 0.951 m <sup>3</sup> 386064404 HU 84137051		



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		нг		I N	B 80-400/419, 3*400 V, 50Hz	eta
Description	Value	[m]		Pumped liquid		[%
General information:		70 -		Liquid temperat	ure during operation = 20 °C	
Product name:	NB 80-400/419 AASF2AESBQQESW3	65 -	419 mm	Density = 998.2	2 kg/m³	-
Product No:	98619938	60 -				_
EAN number:	5711498354616	55 -				
Technical:						100
Pump speed on which pump data are based:	1478 rpm	50 - 45 -				- 90
Rated flow:	162.4 m³/h	40 -				- 80
Rated head:	53.09 m	35 -				70
Actual impeller diameter:	419 mm					
Nominal impeller diameter:	400	30 -				- 60
Shaft seal arrangement:	Single	25 -				- 50
Shaft diameter:	42 mm	20 -				40
Code for shaft seal:	BQQE	15 _				- 30
Curve tolerance:	ISO9906:2012 3B	10 -				20
Pump version:	AS					
•	Standard	5-				10
Bearing design: Materials:	Glanuaru	0	20 40	60 80 10	0 120 140 160 Q [m³/h]	Lo
	Castiron	— .Р. Г				] NPS
Pump housing:	Cast iron EN-GJL-250	[kW]			P1	[m
Pump housing:		35 -			P2	- 14
Pump housing:	ASTM class 35	30 -				12
Wear ring:	Brass	25 -				10
Impeller:	Cast iron	20 -				8
Impeller:	EN-GJL-200	15				6
Impeller:	ASTM class 30					4
Internal pump house coating:	CED	10 -				
Material code:	A	5 -				-2
Code for rubber:	E	0				L 0
Shaft:	Stainless steel					
Shaft:	EN 1.4301	=	125	648	<u>+<sup>∞</sup> r</u>	2
Shaft:	AISI 304		THE _			.))
Installation:						R)
t max amb:	55 °C	<sup>₽</sup>	₩∭			Ĵ
Maximum operating pressure:	16 bar		160	19		E)
Pipe connection standard:	EN 1092-2					ð
Size of inlet connection:	DN 100		65		120	
Size of outlet connection:	DN 80	8 X <b>6</b> 19	इ.स. ग्रि			<b>ļ</b> ,
Pressure rating for connection:	PN 16					s
Bearing lubrication:	Grease					ثر
Pump housing with feet:	Yes		₩ †	197		
Support block (Yes/No):	Y					
Connect code:	F2					
Liquid:						
Pumped liquid:	Water					
Liquid temperature range:	-25 120 °C			Y	7	
Selected liquid temperature:	20 °C	—   r		⊨ '		
Density:	998.2 kg/m³					
Electrical data:			p ∎ là ∎ l	▶ ■		
Motor type:	SIEMENS	-   _				
IE Efficiency class:	IE3	-   6	i <u>00</u>	NAME IN THE OWNER		
Rated power - P2:	37 kW	TO AMPLIFIE RELAY	R L1 L2 L			
Mains frequency:	50 Hz					
Rated voltage:	3 x 380-420D/660-725Y V	—   г				
Rated current:	66/38.5 A	—	 N+T <b> </b> N+T <b> </b> N			
Starting current:	640-640 %	_	Í			
Cos phi - power factor:	0.86		Ļ <u>w</u> ģ			
Rated speed:	1478 rpm	TO AMPLIFIE	t <u>n</u> the the	IECTP21		
Naleu speeu.	1+70 IPIII	RELAY	L1 L2 L			

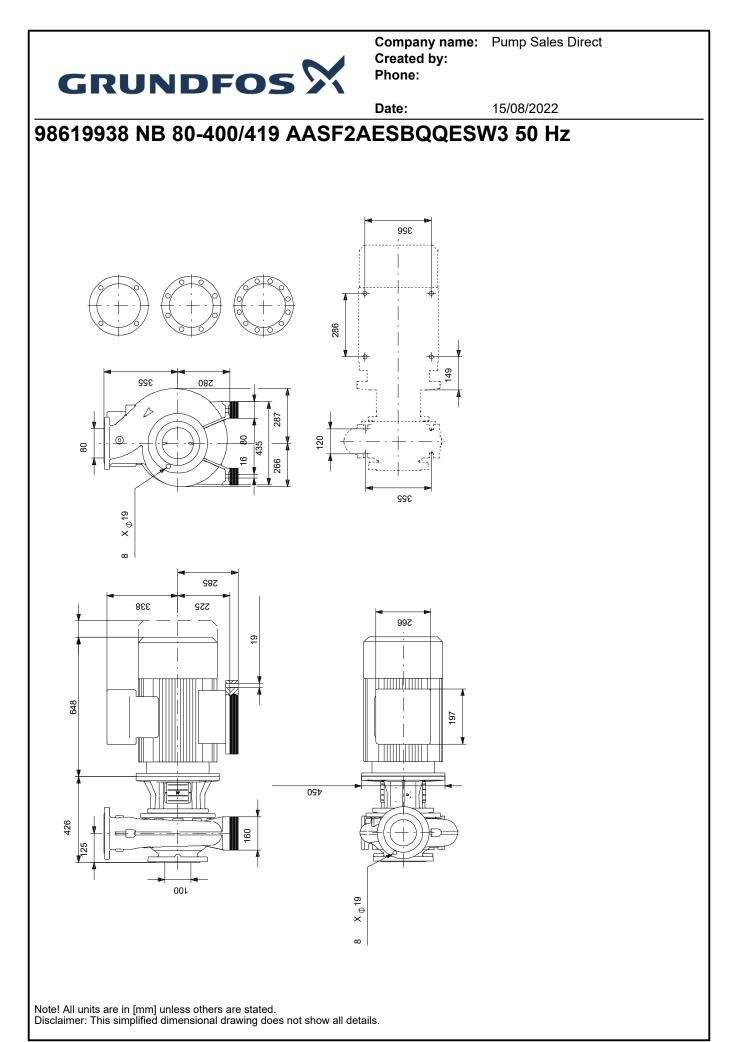
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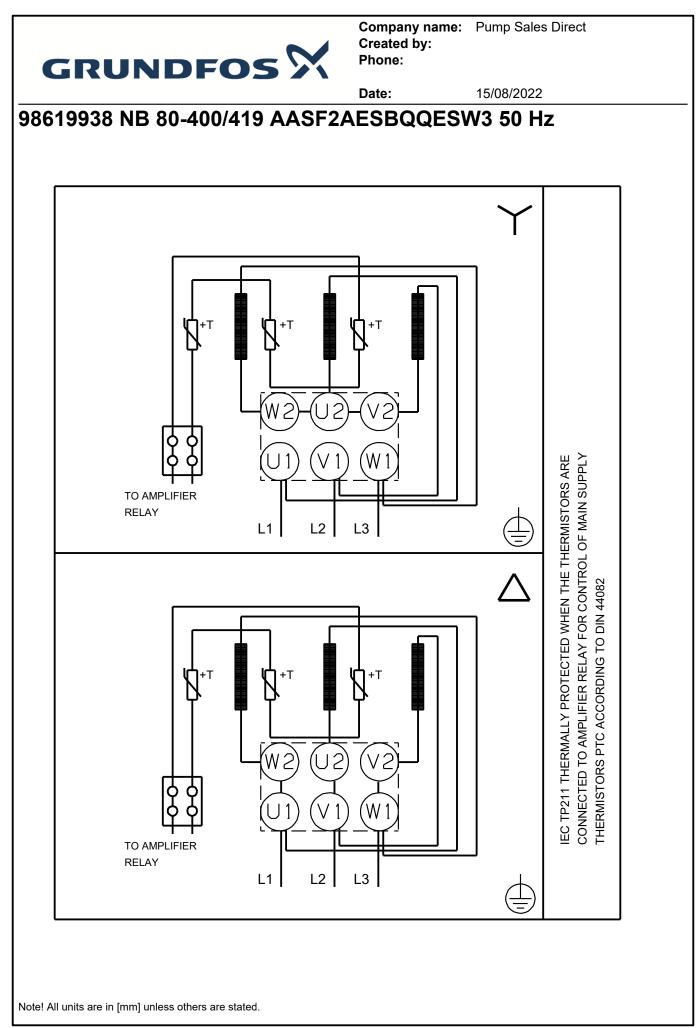


15/08/2022

Date:

Description	Value	
Motor efficiency at full load:	93.9-93.9 %	
Motor efficiency at 3/4 load:	94.5-94.5 %	
Motor efficiency at 1/2 load:	94.4-94.4 %	
Number of poles:	4	
Enclosure class (IEC 34-5):	IP55	
Insulation class (IEC 85):	F	
Built-in motor protection:	PTC	
Motor No:	99032202	
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:	502 kg	
Gross weight:	534 kg	
Shipping volume:	0.951 m³	
Danish VVS No.:	386064404	
Country of origin:	HU	
Custom tariff no.:	84137051	







		Dat		5/08/2022			
Order Data:							
Position	Your pos.	Product name	Amount	Product No	Total		
		NB 80-400/419	1	98619938	Price o reques		