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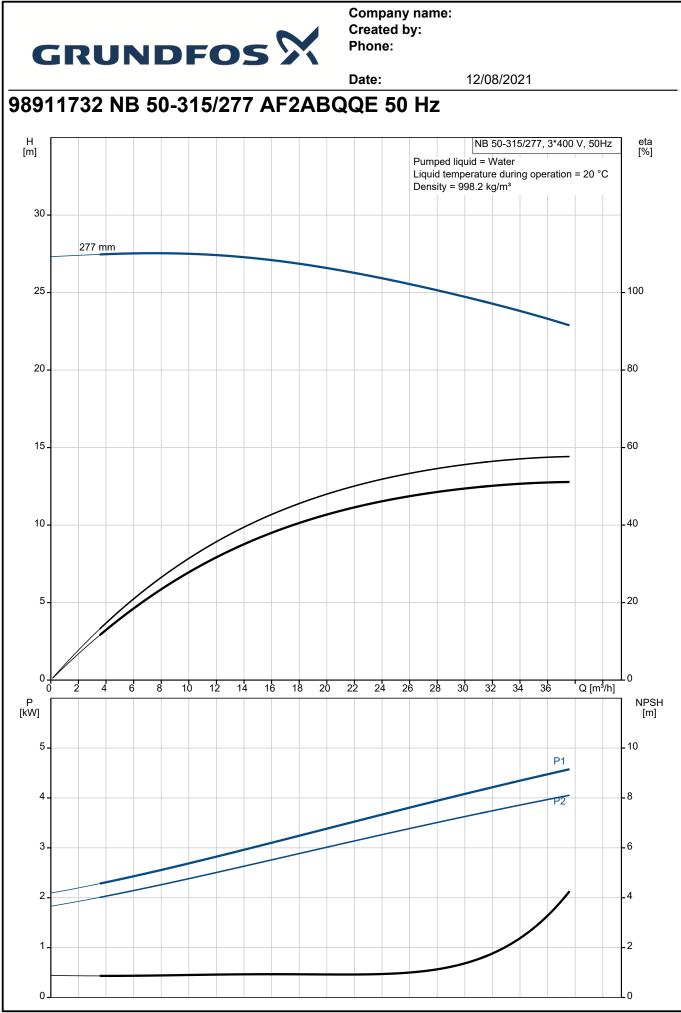
Company name: Created by: Phone:

Date: 12/08/2021 Description 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 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/m³ Technical: Pump speed on which pump data are based: 1460 rpm Rated flow: 37.46 m³/h Rated head: 22.71 m Actual impeller diameter: 277 mm Nominal impeller diameter: 315 Shaft seal arrangement: Single Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B2 Bearing design: Standard Materials: Pump housing: Cast iron EN-GJL-250 ASTM class 35 Wear ring: Brass Impeller: Cast iron EN-GJL-200 ASTM class 30 Shaft: Stainless steel EN 1.4301 AISI 304 Internal pump house coating: CFD

Installation:Maximum ambient temperature:55 °CMaximum operating pressure:16 barPipe connection standard:EN 1092-2Size of inlet connection:DN 65



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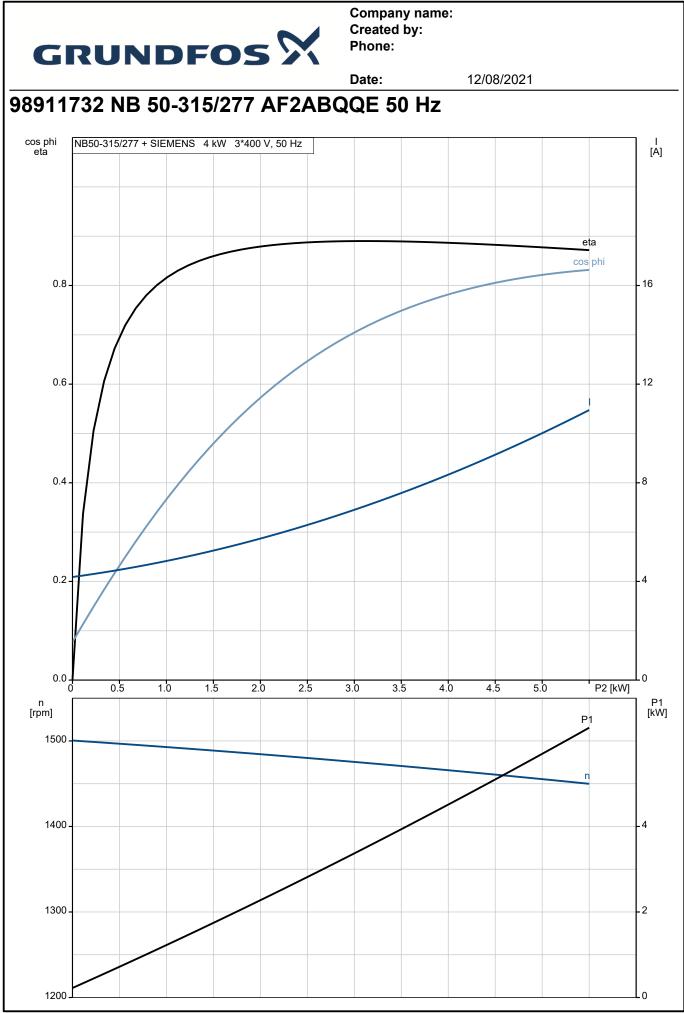
		Date:	12/08/2021
Description	Value	H [m]	NB 50-315/277, 3*400 V, 50Hz eta [%]
General information:		P	Pumped liquid = Water .iquid temperature during operation = 20 °C
Product name:	NB 50-315/277 AF2ABQQE		Density = 998.2 kg/m ³
Product No:	98911732		
EAN number:	5712603443300	25 -	100
Price:	GBP 2759		
Technical:			
Pump speed on which pump data are	1460 rpm	20 -	- 80
based:			
Rated flow:	37.46 m³/h	15 -	60
Rated head:	22.71 m		
Actual impeller diameter:	277 mm		
Nominal impeller diameter:	315	10-	40
Shaft seal arrangement:	Single		
Shaft diameter:	32 mm		
Code for shaft seal:	BQQE	5-	- 20
Curve tolerance:	ISO9906:2012 3B2		
Pump version:	A		
Bearing design:	Standard	0 1 10	15 20 25 30 Q [m³/h]
Materials:	Stanuaru	P [kW]	NP:
	Cast iron	[kW] 5	[n
Pump housing:		о -	P1 - 10
Pump housing:	EN-GJL-250	4	
Pump housing:	ASTM class 35		P2
Near ring:	Brass	3-	-6
mpeller:	Cast iron		
mpeller:	EN-GJL-200	2	
Impeller:	ASTM class 30	1 -	2
Shaft:	Stainless steel		
Shaft:	EN 1.4301	0	0
Shaft:	AISI 304		
nternal pump house coating:	CED	348 354	140
Material code:	Α	125	
Code for rubber:	E		
nstallation:			
Maximum ambient temperature:	55 °C	°┤╢╹╢╩╢╴═══	
Maximum operating pressure:	16 bar	°₩₽─₹₩	
Pipe connection standard:	EN 1092-2	125	
Size of inlet connection:	DN 65		
Size of outlet connection:	DN 50	52	
Pressure rating for connection:	PN 16		
Bearing lubrication:	Grease		
Pump housing with feet:	Yes		
		112	
Support block:	N		
Connect code:	F2		
_iquid:			
Pumped liquid:	Water		Y
_iquid temperature range:	-25 120 °C		
Selected liquid temperature:	20 °C	N ^{+T} N ^{+T} N ^{+T}	
Density:	998.2 kg/m³		
Electrical data:			'
Notor type:	SIEMENS		ES AFE
E Efficiency class:	IE3	RELAY L1 L2 L3	
Rated power - P2:	4 kW		
Vains frequency:	50 Hz		
Rated voltage:	3 x 380-420D/660-725Y	\$** \$\$** \$\$**	Y P ROTECTE BUER RELA COORDAG T
-	V		DD'O APP
Rated current:	8,3-7,51/4,83-4,37 A		IECTP241 Tr CONNECTED THE RANSTOR
Starting current:	710-710 %	TO AMPLIFIER RELAY	
Cos phi - power factor:	0.82	L1 L2 L3	

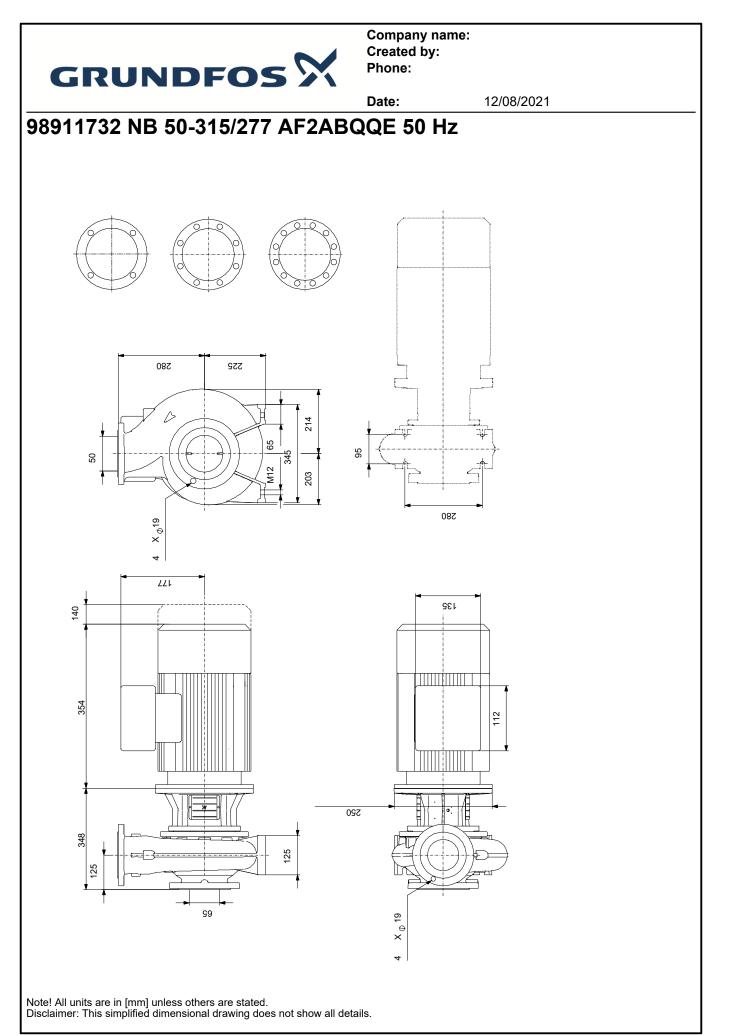
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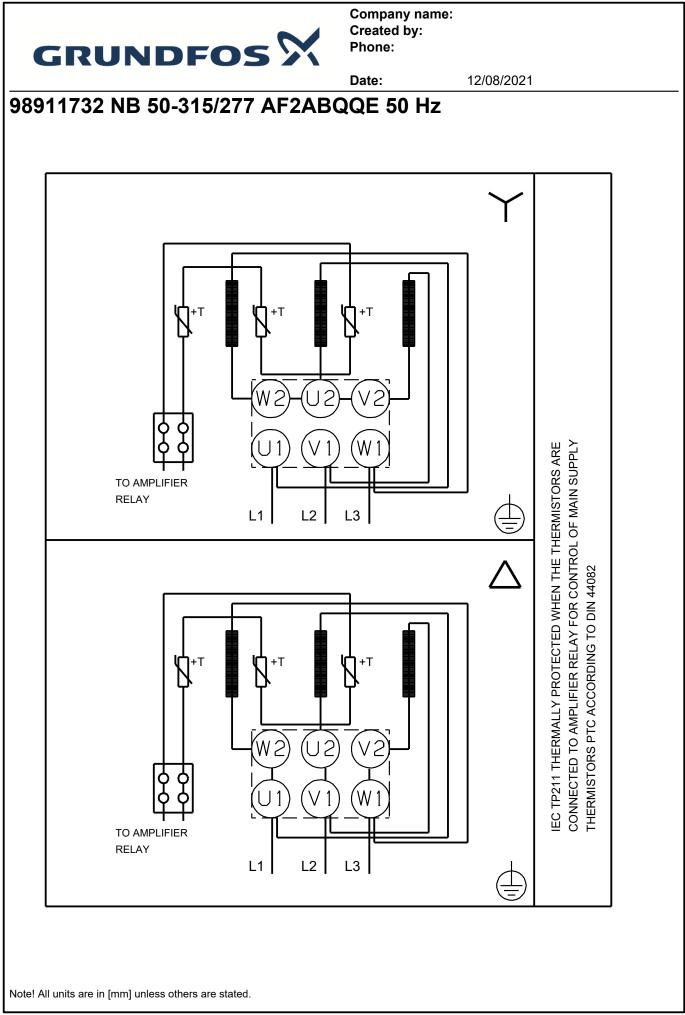


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		Date:	12/08/2021
Description	Value		
Rated speed:	1460 rpm		
Efficiency:	IE3 88,6%		
Motor efficiency at full load:	88.6-88.6 %		
Motor efficiency at 3/4 load:	89.2-89.2 %		
Motor efficiency at 1/2 load:	88.6-88.6 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protec:	PTC		
Motor No:	83V15213		
Mount. design. acc. IEC 34-7:	IM V1		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	124 kg		
Gross weight:	143 kg		
Shipping volume:	0.383 m³		
Country of origin:	HU		
Custom tariff no.:	84137051		







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