



		Date:	15/08/2022					
Qty.	Description							
1	1 The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electron 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 preacts to both slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.							
	Thermal switches must be conn cannot cause accidents. The more regulations.	switches must be connected to an external control circuit in a way which ensures that the automatic reset ause accidents. The motors must be connected to a motor-protective circuit breaker according to local ns.						
	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:	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 da	•						
	Rated flow:	39.4 m³/h						
	Rated head:	23.89 m						
	Actual impeller diameter:	144 mm						
	Nominal impeller diameter:	160 Siz els						
	Shaft seal arrangement: Code for shaft seal:	Single 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						
	Internal pump house coating:	CED						
	Shaft:	Stainless steel						
		EN 1.4301						
		AISI 304						

Maximum operating pressure:

Pipe connection standard:

Size of inlet connection:

60 °C

16 bar

DN 65

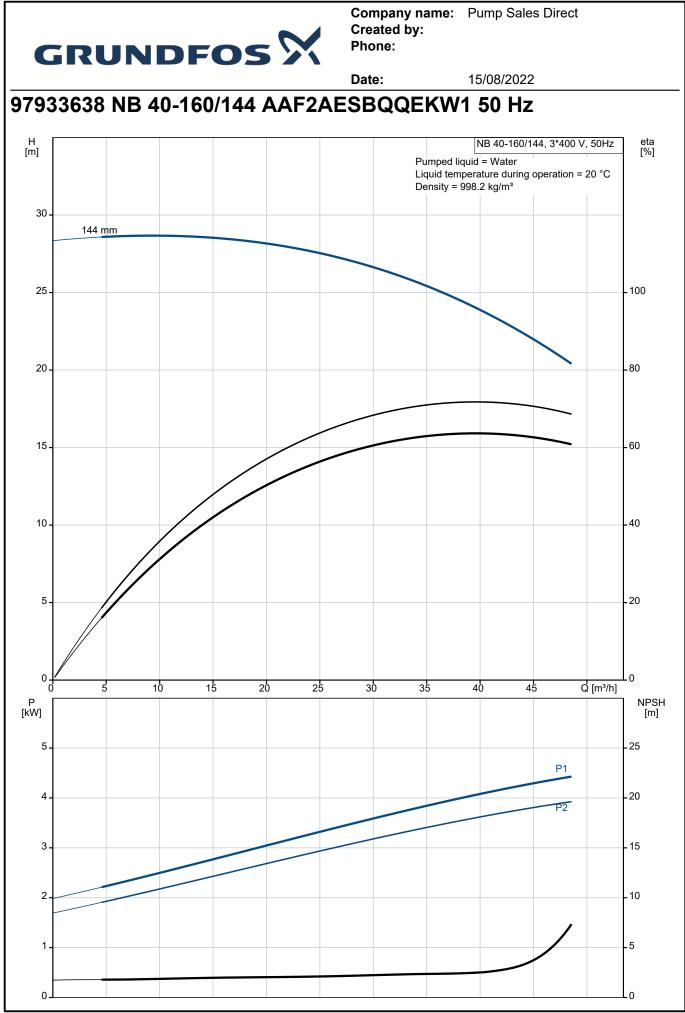
EN 1092-2

Installation:

t max amb:



Date: 15/08/2022 Qty. | Description 1 Size of outlet connection: DN 40 Pressure rating for connection: PN 16 Bearing lubrication: Grease Pump housing with feet: Yes Support block (Yes/No): Ν Electrical data: Motor type: 112MC IE Efficiency class: IE3 Rated power - P2: 4 kW Mains frequency: 50 Hz 3 x 380-415D V Rated voltage: Rated current: 7.9 A Starting current: 1000-1110 % Cos phi - power factor: 0.87-0.87 Rated speed: 2920-2940 rpm Efficiency: IE3 88,1% Motor efficiency at full load: 88.1 % Motor efficiency at 3/4 load: 88.6 % Motor efficiency at 1/2 load: 85.2 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 87322303 Bearing insulation type N-end: STEEL BEARING Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 66 kg Gross weight: 76 kg Shipping volume: 0.178 m³ Danish VVS No.: 386061162 Country of origin: ΗU Custom tariff no.: 84137051





		Date:	15/08/2022
Description	Value	H [m]	NB 40-160/144, 3*400 V, 50Hz [%]
General information:		L1	Pumped liquid = Water
Product name:	NB 40-160/144 AAF2AESBQQEKW1	30 – 144 mr	Liquid temperature during operation = 20 °C Density = 998.2 kg/m ³
Product No:	97933638		
EAN number:	5710626688678	25 -	100
Technical:			
Pump speed on which pump data based:	are 2930 rpm	20 -	80
Rated flow:	39.4 m³/h		
Rated head:	23.89 m	15 _	60
Actual impeller diameter:	144 mm	13	
Nominal impeller diameter:	160		
Shaft seal arrangement:	Single	10	40
Shaft diameter:	24 mm		
Code for shaft seal:	BQQE		
Curve tolerance:	ISO9906:2012 3B2	5	20
Pump version:	A		
Bearing design:	Standard		
Materials:		0 <u>4</u> 0 5	10 15 20 25 30 35 40 Q [m ³ /h]
Pump housing:	Cast iron	P [kW]	NPSH [m]
Pump housing:	EN-GJL-250	[KVV] 5_	[m] 25
Pump housing:	ASTM class 35		P1
Wear ring:	Brass	4 -	- 20
Impeller:	Cast iron		15
Impeller:	EN-GJL-200	3-	15
Impeller:	ASTM class 30	2	10
Internal pump house coating:	CED		
Material code:	A	1	5
Code for rubber:	E	0	
Shaft:	Stainless steel	-	
Shaft:	EN 1.4301		
Shaft:	AISI 304	80	
Installation:	AIGI 504		
t max amb:	60 °C		
Maximum operating pressure:	16 bar		
Pipe connection standard:	EN 1092-2		
Size of inlet connection:	DN 65	100	
Size of outlet connection:	DN 40		
Pressure rating for connection:	PN 16	22	+ ⁷⁰ +
Bearing lubrication:	Grease		
Pump housing with feet:	Yes		
Support block (Yes/No):	N		
Connect code:	F2		
Liquid:	1 -		
Pumped liquid:	Water		
Liquid temperature range:	-25 120 °C		
Selected liquid temperature:	-25 120 °C		Y
Density:	998.2 kg/m ³		
Electrical data:	550.2 Ng/III	\$ ^{+™} \$	
Motor type:	112MC	L	₩ <u>3-€13-</u> €23-1
IE Efficiency class:	IE3		
Rated power - P2:	4 kW	TO AMPLIFIER RELAY	
Mains frequency:	4 KW 50 Hz	L1	
	3 x 380-415D V		
Rated voltage:			
Rated current:	7.9 A		
Starting current:	1000-1110 %	_	
Cos phi - power factor:	0.87-0.87	Bði (
Rated speed:	2920-2940 rpm	TO AMPLIFIER RELAY	
Efficiency:	IE3 88,1%	1	

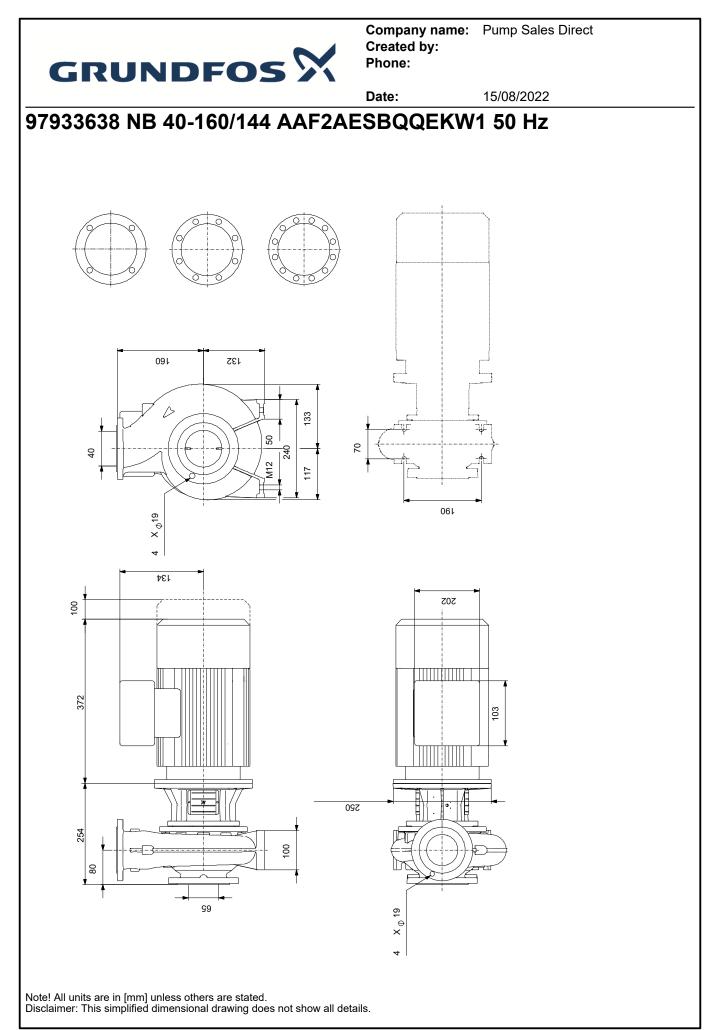
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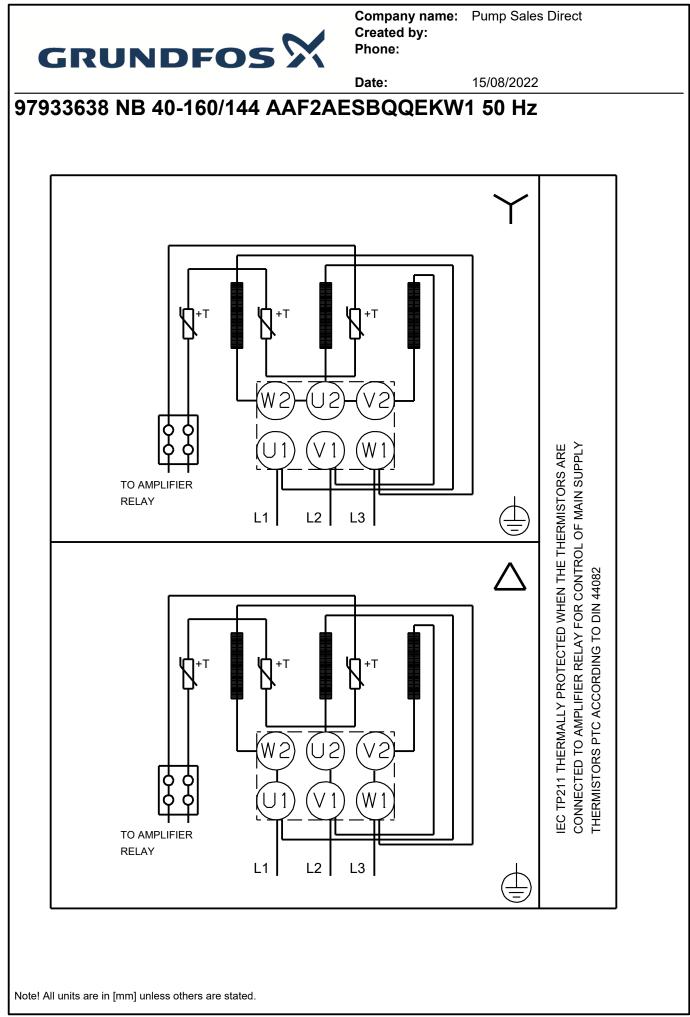


Date:

15/08/2022

Description	Value
Motor efficiency at full load:	88.1 %
Motor efficiency at 3/4 load:	88.6 %
Motor efficiency at 1/2 load:	85.2 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	87322303
Mount. design. acc. IEC 34-7:	IM V1/B5
Bearing insulation type N-end:	STEEL BEARING
Controls:	
Frequency converter:	NONE
Pressure sensor:	Ν
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	66 kg
Gross weight:	76 kg
Shipping volume:	0.178 m³
Danish VVS No.:	386061162
Country of origin:	HU
Custom tariff no.:	84137051







Date: 15/08/2022 Order Data: Position Your pos. Product name Amount Product No Total									
		ND 40-100/144		97933030	Price or reques				