



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.         1       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 protereacts 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 recannot 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 Supervalues where an electrical field around the products ensures deposition of paint partial a thin, well-controlled layer on the surface. <b>Further product details</b> 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 partia a thin, well-controlled layer on the surface. <b>Technical data</b> Controls:         Frequency converter:       NONE         Pressure sensor:       N         Liquid temperature range:       -25 120 °C         Selected liquid temperature:       20 °C	
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Selected liquid temperature: 20 °C	
Technical:	
Pump speed on which pump data are based: 2915 rpm	
Rated flow: 101.8 m <sup>3</sup> /h	
Rated head: 20.51 m	
Actual impeller diameter: 143 mm	
Nominal impeller diameter: 160	
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	

Internal pump house coating: Shaft:

	EN 1.4301 AISI 304
Installation: t max amb: Maximum operating pressure: Pipe connection standard: Size of inlet connection:	60 °C 16 bar EN 1092-2 DN 80

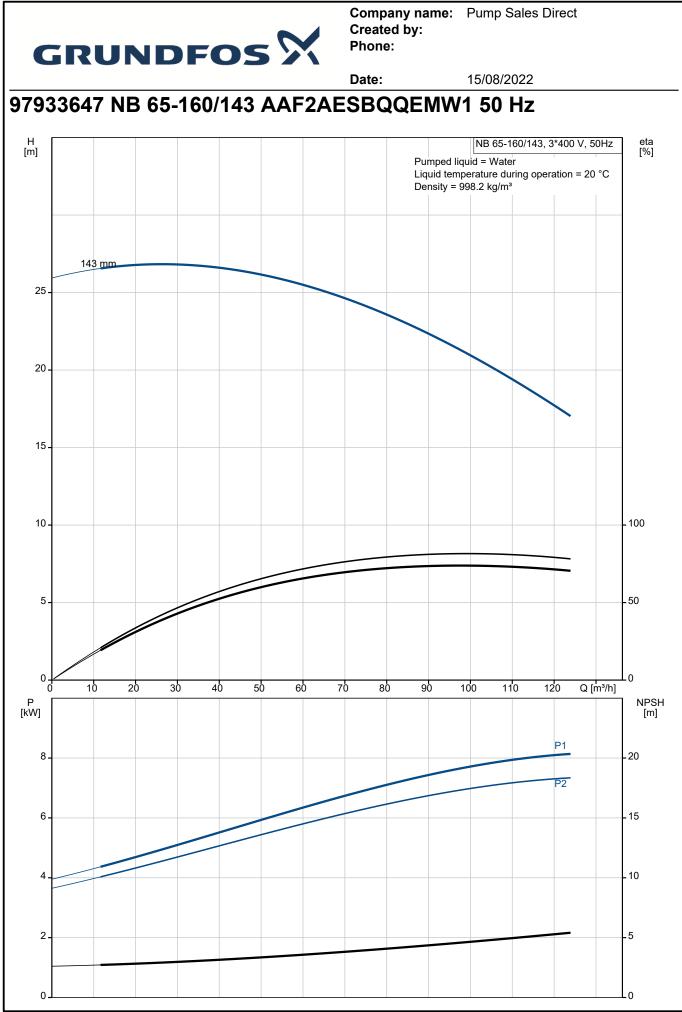
EN-GJL-200 ASTM class 30

Stainless steel

CED



		Date:	15/08/2022
ty.	Description		
1	Size of outlet connection:	DN 65	
	Pressure rating for connection:	PN 16	
	Bearing lubrication:	Grease	
	Pump housing with feet:	Yes	
	Support block (Yes/No):	Ν	
	Electrical data:		
	Motor type:	132SB	
	IE Efficiency class:	IE3	
	Rated power - P2:	7.5 kW	
	Mains frequency:	50 Hz	
	Rated voltage:	3 x 380-415D/660-690Y V	
	Rated current:	14,4-14,0/8,30-8,10 A	
	Starting current:	780-910 %	
	Cos phi - power factor:	0.88-0.86	
	Rated speed:	2910-2920 rpm	
	Efficiency:	IE3 90,1% - IE3 90,4%	
	Motor efficiency at full load:	90.1-90.4 %	
	Motor efficiency at 3/4 load:	90.8 %	
	Motor efficiency at 1/2 load:	90.8 %	
	Number of poles:	2	
	Enclosure class (IEC 34-5):	55 Dust/Jetting	
	Insulation class (IEC 85):	F	
	Motor No:	87370232	
	Bearing insulation type N-end:	STEEL BEARING	
	Others:		
	Minimum efficiency index, MEI ≥:	0.70	
	Net weight:	94 kg	
	Gross weight:	116 kg	
	Shipping volume:	0.509 m <sup>3</sup>	
	Danish VVS No.:	386063162	
	Country of origin:	HU	
	Custom tariff no.:	84137051	
	Custom tariii no.:	84137051	



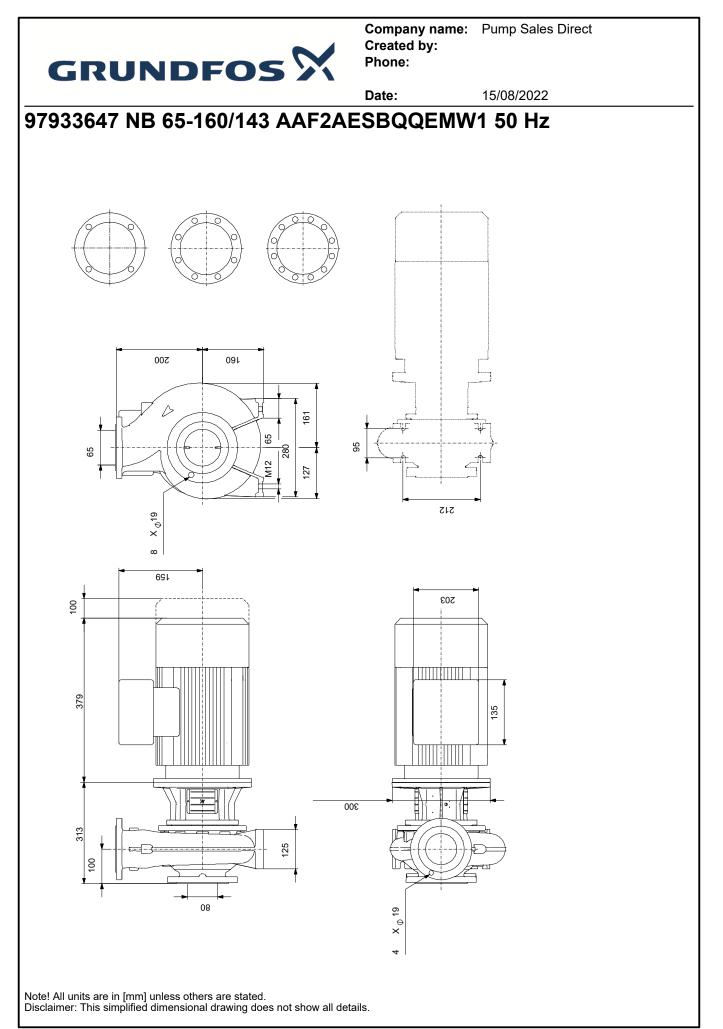


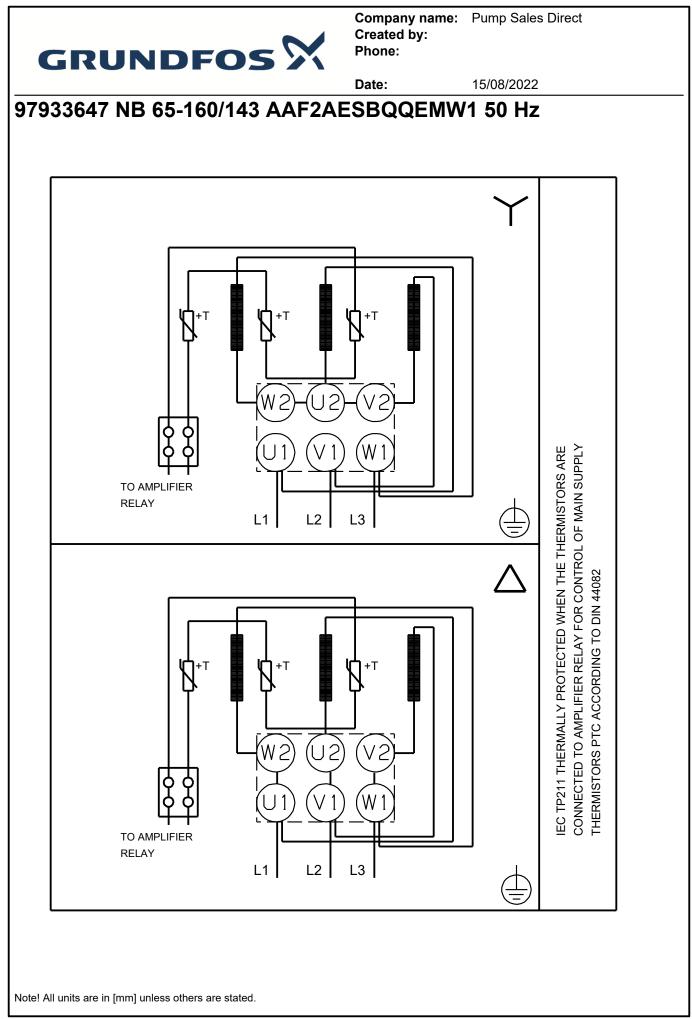
		Date:	15/08/2022	
Description	Value	H [m]	NB 65-160/143, 3*400 V, 50Hz	eta [%]
General information:		_	Pumped liquid = Water Liquid temperature during operation = 20 °C	
Product name:	NB 65-160/143 AAF2AESBQQEMW1		Density = 998.2 kg/m <sup>3</sup>	
Product No:	97933647	14 <u>3 mm</u>		
EAN number:	5710626688739	25 -		
Fechnical:				
Pump speed on which pump data are based:	2915 rpm	20 -		
Rated flow:	101.8 m³/h			
Rated head:	20.51 m	15 _		
Actual impeller diameter:	143 mm	10		
Nominal impeller diameter:	160			
Shaft seal arrangement:	Single	10		- 100
Shaft diameter:	24 mm			
Code for shaft seal:	BQQE	—		
Curve tolerance:	ISO9906:2012 3B2	5 -		- 50
Pump version:	A			
Bearing design:	Standard			_0
Materials:		0 20	40 60 80 100 Q [m³/h]	-0
Pump housing:	Cast iron	P [kW]		NPSH [m]
Pump housing:	EN-GJL-250		P1	[m]
Pump housing:	ASTM class 35	8-	P2	- 20
Wear ring:	Brass		P2	- 15
Impeller:	Cast iron	6 -		- 15
Impeller:	EN-GJL-200	4		- 10
Impeller:	ASTM class 30	4-		- 10
Internal pump house coating:	CED	2-		- 5
Material code:	A	2		- 5
Code for rubber:	E			-0
Shaft:	Stainless steel	0		-0
Shaft:	EN 1.4301			
Shaft:	AISI 304	100	379 100 - (1	R
Installation:	AI01 304			
t max amb:	60 °C			20
Maximum operating pressure:	16 bar	──		+
Pipe connection standard:	EN 1092-2			ete/
Size of inlet connection:	DN 80	125		2000
Size of outlet connection:	DN 65			000
Pressure rating for connection:	PN 16	8		
Bearing lubrication:	Grease		╟┲┯━┓┓┓┑╸┍╖╣╠╖╌╹╵───	$\square$
Pump housing with feet:	Yes			++
Support block (Yes/No):	N			
Connect code:	F2		le <u></u>	
Liquid:	• -			
Pumped liquid:	Water			
Liquid temperature range:	-25 120 °C			
Selected liquid temperature:	20 °C		Y	
Density:	998.2 kg/m <sup>3</sup>			
Electrical data:		₿ <sup>+™</sup> ₿ ₿ <sup>+™</sup>		
Motor type:	132SB			
IE Efficiency class:	IE3			
Rated power - P2:	7.5 kW	TO AMPLIFIER RELAY		
Mains frequency:	50 Hz		E2	
Rated voltage:	3 x 380-415D/660-690Y V			
Rated current:		ю <sub>+т</sub> ю <sub>+т</sub>		
	14,4-14,0/8,30-8,10 A			
Starting current:	780-910 %			
Cos phi - power factor:	0.88-0.86	TO AMPLIFIER		
Rated speed:	2910-2920 rpm	TO AMPLIFIER		

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		Date:	15/08/2022
Description	Value		
Motor efficiency at full load:	90.1-90.4 %	-	
Motor efficiency at 3/4 load:	90.8 %		
Motor efficiency at 1/2 load:	90.8 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Built-in motor protection:	PTC		
Motor No:	87370232		
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:	94 kg		
Gross weight:	116 kg		
Shipping volume:	0.509 m³		
Danish VVS No.:	386063162		
Country of origin:	HU		
Custom tariff no.:	84137051		







Date:         15/08/2022           Order Data:         15/08/2022					
Position	Your pos.		a. Amount	Product No	Total
		NB 65-160/143	1	97933647	Price of
					reques