

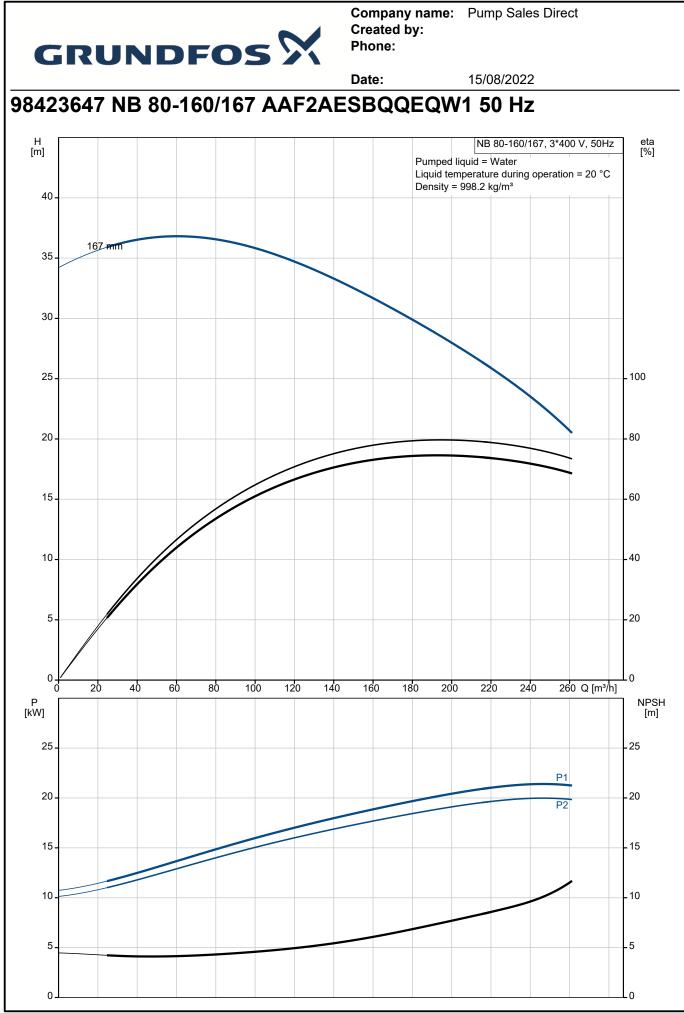


			Date:	15/08/2022				
Qty.	Description							
1	The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.							
	The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.							
	The motor has 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 com cannot cause accidents. The m regulations.	nected to an extension of the construction of	ernal control circuit onnected to a moto	in a way which ensures that the au r-protective circuit breaker accordin	itomatic reset ng to local			
	The motor can be connected to Grundfos CUE offers a range of	o a variable spee of variable speed	d drive for adjustm drives. Please find	ent of pump performance to any du more information in Grundfos Proc	ity point. duct Center.			
	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:	Ν						
	Liquid:							
	Pumped liquid:	Water						
	Liquid temperature range:	-25 120 °C						
	Selected liquid temperature:	20 °C						
	Density:	998.2 kg/m ³						
	Technical:							
	Pump speed on which pump da		2950 rpm					
	Rated flow:	200.4 m³/h						
	Rated head:	28.56 m						
	Actual impeller diameter:	167 mm						
	Nominal impeller diameter: Shaft seal arrangement:	160 Single						
	Shan sear arrangement:	Single						

ast iron N-GJL-250 STM class 35
ass ast iron N-GJL-200 STM class 30
ED ainless steel N 1.4301 SI 304
) °C 5 bar N 1092-2 N 100



			Date:	15/08/2022	
ty. Description					
	t connection:	DN 80			
	ing for connection:	PN 16			
Bearing lubr		Grease			
Pump housi		No			
Support bloc	k (Yes/No):	Ν			
Electrical da	ta:				
Motor type:		180MB			
IE Efficiency	class:	IE3			
Rated power		22 kW			
Mains freque		50 Hz			
Rated voltage		3 x 380-415D/660-6	90Y V		
Rated currer		39.5/22.8 A			
Starting curr		830 %			
Cos phi - po	ver factor	0.90-0.90			
Rated speed		2950 rpm			
Efficiency:	•	IE3 92,7%			
	ncy at full load:	92.7 %			
	ncy at 3/4 load:	93.7 %			
	ncy at 1/2 load:	94.4 %			
Number of p		2			
	ass (IEC 34-5):	55 Dust/Jetting			
	ass (IEC 34-5). ass (IEC 85):	F			
	BS(IEC OD).	F 87470023			
Motor No:	1 - 4: 4: N11:				
Bearing insu	lation type N-end:	STEEL BEARING			
Others:					
	ciency index, MEI ≥				
Net weight:		185 kg			
Gross weigh		210 kg			
Shipping vol		0.707 m³			
Danish VVS		386064167			
Country of o		HU			
Custom tarif	no.:	84137051			





Description	Value	H [m]	NB 80-160/167, 3*400 V, 50Hz [%]
General information:		40 -	Pumped liquid = Water Liquid temperature during operation = 20 °C
Product name:	NB 80-160/167 AAF2AESBQQEQW1	167	Density = 998.2 kg/m ³
Product No:	98423647	35 -	
EAN number:	5711494761630		
Technical:		30 -	
Pump speed on which pump data a based:	are 2950 rpm	25 -	100
Rated flow:	200.4 m³/h		
Rated head:	28.56 m	20 -	80
Actual impeller diameter:	167 mm		
Nominal impeller diameter:	160	15	60
Shaft seal arrangement:	Single		
Shaft diameter:	24 mm	10 -	40
Code for shaft seal:	BQQE	10-	40
Curve tolerance:	ISO9906:2012 3B	/	
Pump version:	A	5-	
Bearing design:	Standard	— [/	
Materials:	Standard	0 <u>¥</u>	50 100 150 200 Q [m³/h]
	Cast iron	P [kW]	NPS
Pump housing:	EN-GJL-250	[kW] 25 -	
Pump housing:		20 -	P1
Pump housing:	ASTM class 35	20 -	- 20
Wear ring:	Brass		P2 20
Impeller:	Cast iron	15	15
Impeller:	EN-GJL-200		
Impeller:	ASTM class 30	10	10
Internal pump house coating:	CED	5 -	-5
Material code:	A		
Code for rubber:	E	0	L 0
Shaft:	Stainless steel		
Shaft:	EN 1.4301	**#	
Shaft:	AISI 304		
Installation:			
t max amb:	60 °C	ª ∏ }	
Maximum operating pressure:	16 bar		
Pipe connection standard:	EN 1092-2		
Size of inlet connection:	DN 100		R R R R R R R R R R R R R R R R R R R
Size of outlet connection:	DN 80	8_×010	
Pressure rating for connection:	PN 16		
Bearing lubrication:	Grease		
Pump housing with feet:	No		
Support block (Yes/No):	Ν	·	
Connect code:	F2		
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	-25 120 °C		Y
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m³		
Electrical data:			
Motor type:	180MB	— L	<u></u>
IE Efficiency class:	IE3		
Rated power - P2:	22 kW	TO AMPLIFIER RELAY	
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-415D/660-690Y V		
Rated current:	39.5/22.8 A	N+⊤ ∎ v	
Starting current:	830 %	- $ $ $ $	
Cos phi - power factor:	0.90-0.90		
Rated speed:	2950 rpm	TO AMPLIFIER	
		NELAY L	
Efficiency:	IE3 92,7%		1 1 12 13

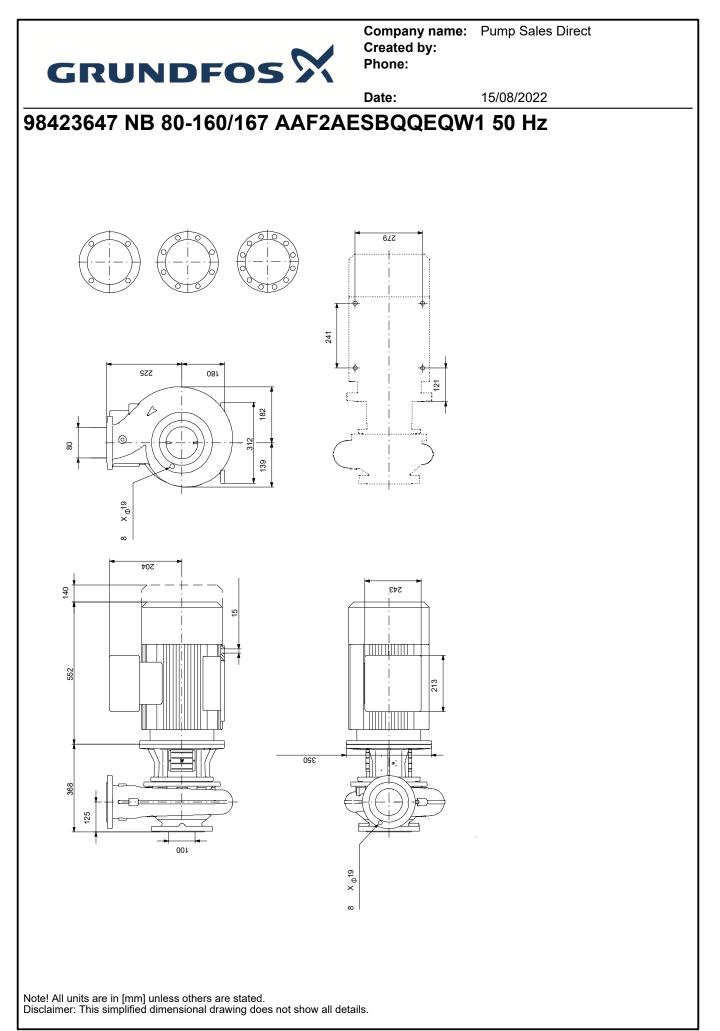
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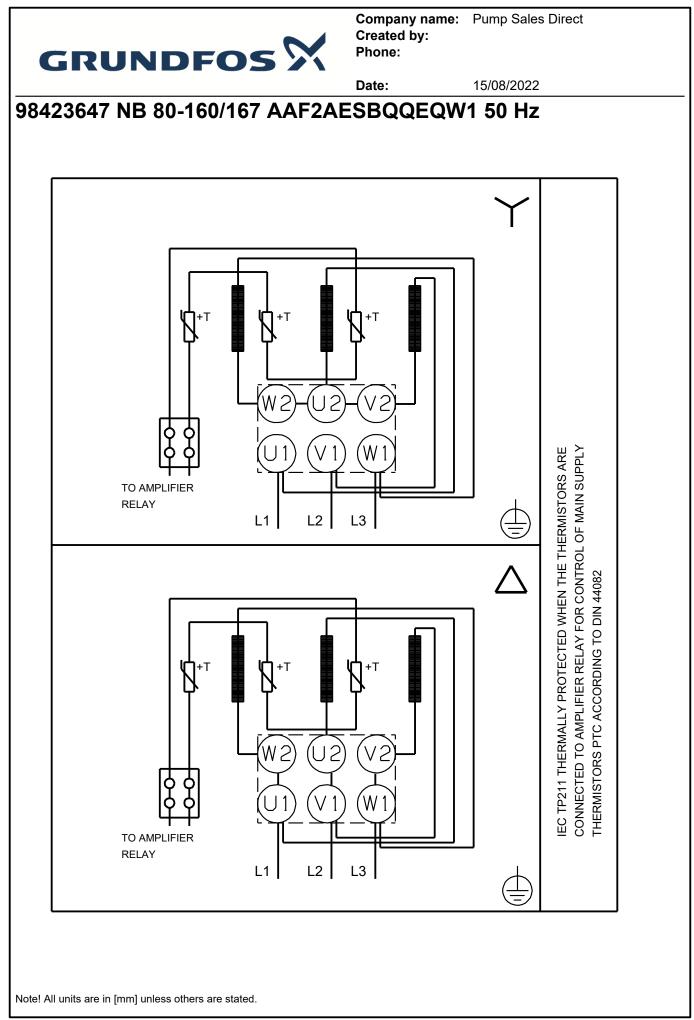


15/08/2022

Date:

		_
Description	Value	
Motor efficiency at full load:	92.7 %	
Motor efficiency at 3/4 load:	93.7 %	
Motor efficiency at 1/2 load:	94.4 %	
Number of poles:	2	
Enclosure class (IEC 34-5):	55 Dust/Jetting	
Insulation class (IEC 85):	F	
Built-in motor protection:	PTC	
Motor No:	87470023	
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 ≥:	0.70	
Net weight:	185 kg	
Gross weight:	210 kg	
Shipping volume:	0.707 m³	
Danish VVS No.:	386064167	
Country of origin:	HU	
Custom tariff no.:	84137051	







Date: 15/08/2022 Order Data: 15/08/2022							
Position	Position Your pos. Product name Amount Product No Total						
		NB 80-160/167	1	98423647	Price or		
					reques		