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			not suitable for	mineral oils.			
Motor		The pump nousing has leet.					
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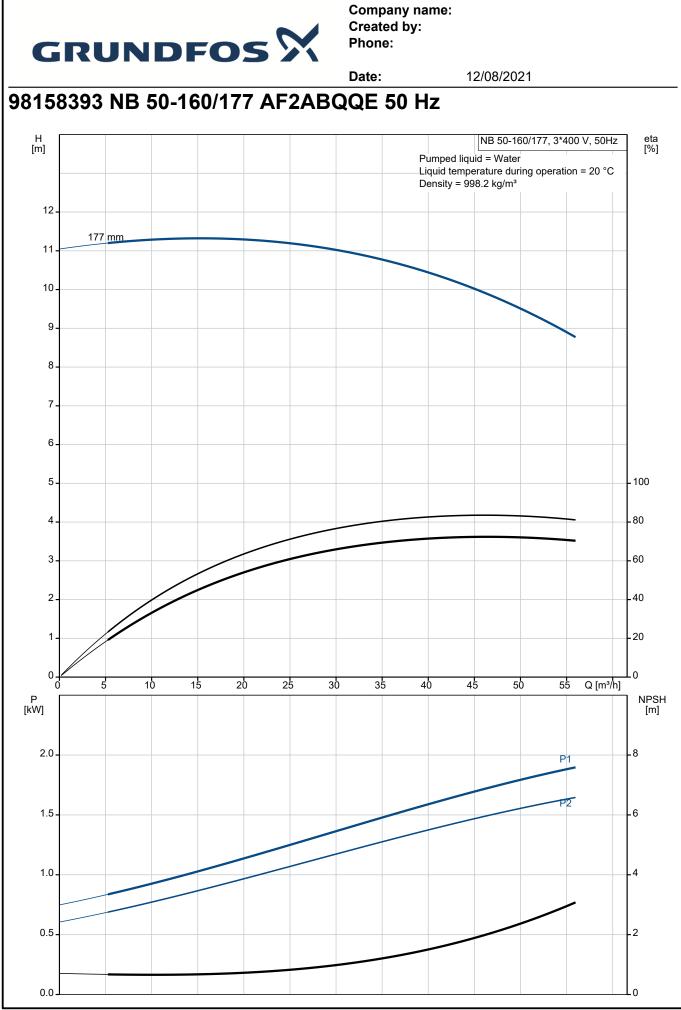
		Date:	12/08/2021			
Description						
The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.						
The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.						
The motor does not incorporate r can be manually reset. The moto (I1/1).	notor protection a r-protective circui	nd must be connec t breaker must be s	ted to a motor-protective circuit breaker which et according to the rated current of the motor			
The motor can be connected to a Grundfos CUE offers a range of the second secon	n variable speed d variable speed dri	rive for adjustment ves. Please find mo	of pump performance to any duty point. ore 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	a are based: 14	65 rpm				
Rated flow:	46.68 m³/h					
Rated head:	9.698 m					
Actual impeller diameter:	177 mm					
Nominal impeller diameter:	160					
Shaft seal arrangement: Code for shaft seal:	Single BQQE					
Curve tolerance:	ISO9906:2012 3	B2				
Bearing design:	Standard					
Materials:						
Pump housing:	Cast iron					
	EN-GJL-250					
	ASTM class 35					
Wear ring:	Brass					
Impeller:	Cast iron					
	EN-GJL-200					
Shaft:	ASTM class 30 Stainless steel					
	EN 1.4301					
	AISI 304					
Internal pump house coating:	CED					
Installation:						
Maximum ambient temperature:	55 °C					
Maximum operating pressure:	16 bar					
Pipe connection standard:	EN 1092-2					
Size of inlet connection:	DN 65					
Size of outlet connection:	DN 50					

Pressure rating for connection:

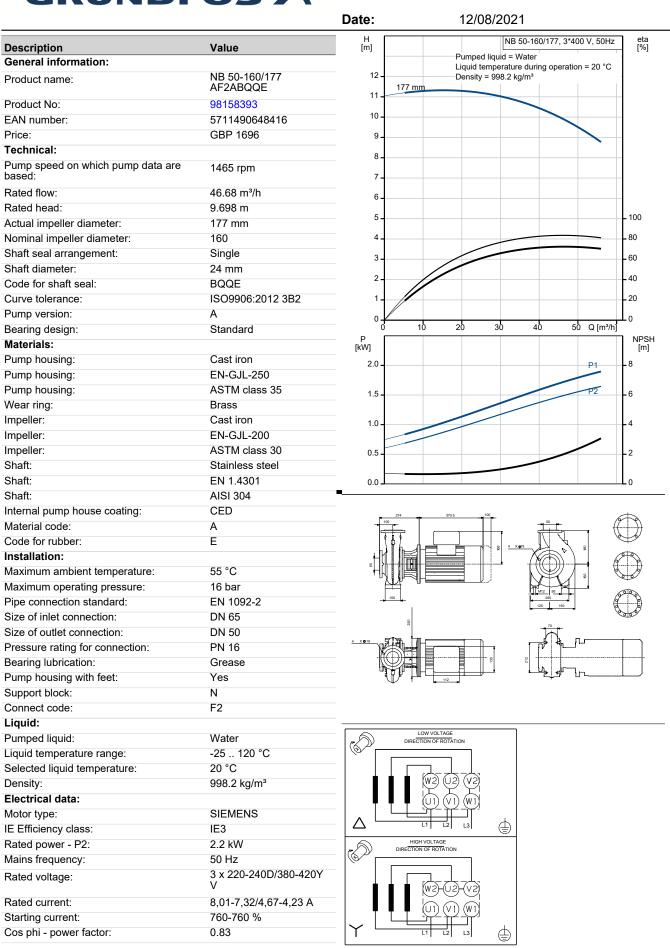
PN 16



Date: 12/08/2021 Qty. Description Bearing lubrication: Grease Pump housing with feet: Yes Support block: Ν Electrical data: SIEMENS Motor type: IE Efficiency class: IE3 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 8,01-7,32/4,67-4,23 A Starting current: 760-760 % Cos phi - power factor: 0.83 Rated speed: 1465 rpm Efficiency: IE3 86,7% Motor efficiency at full load: 86.7-86.7 % Motor efficiency at 3/4 load: 87.3-87.3 % Motor efficiency at 1/2 load: 86.4-86.4 % Number of poles: 4 IP55 Enclosure class (IEC 34-5): F Insulation class (IEC 85): Motor No: 83V02208 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 63 kg Gross weight: 73 kg Shipping volume: 0.178 m³ Country of origin: ΗU Custom tariff no.: 84137051



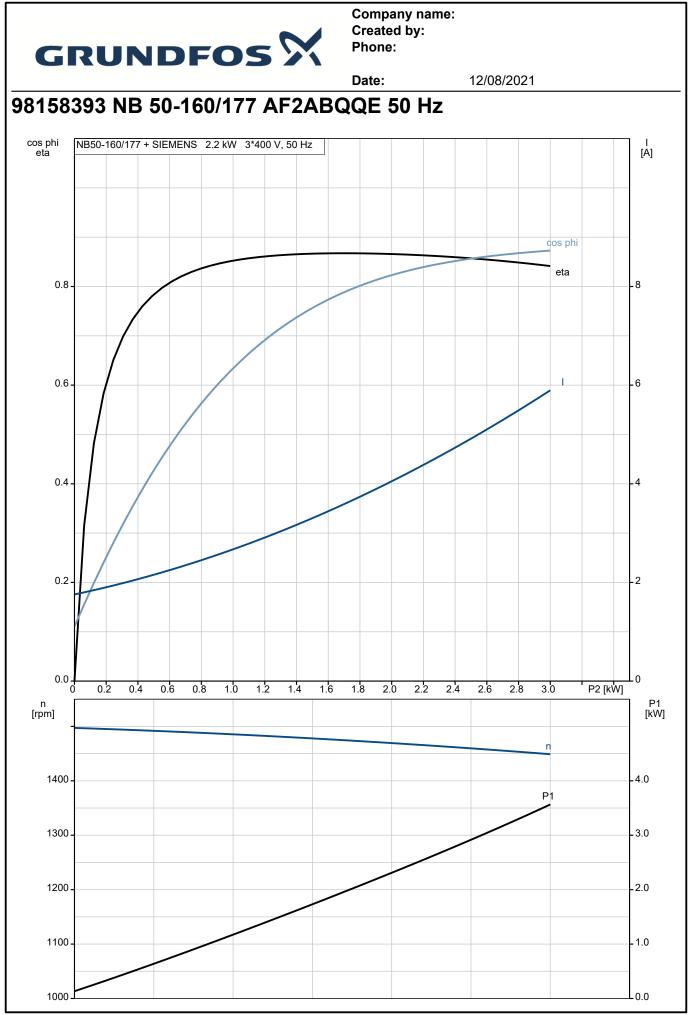


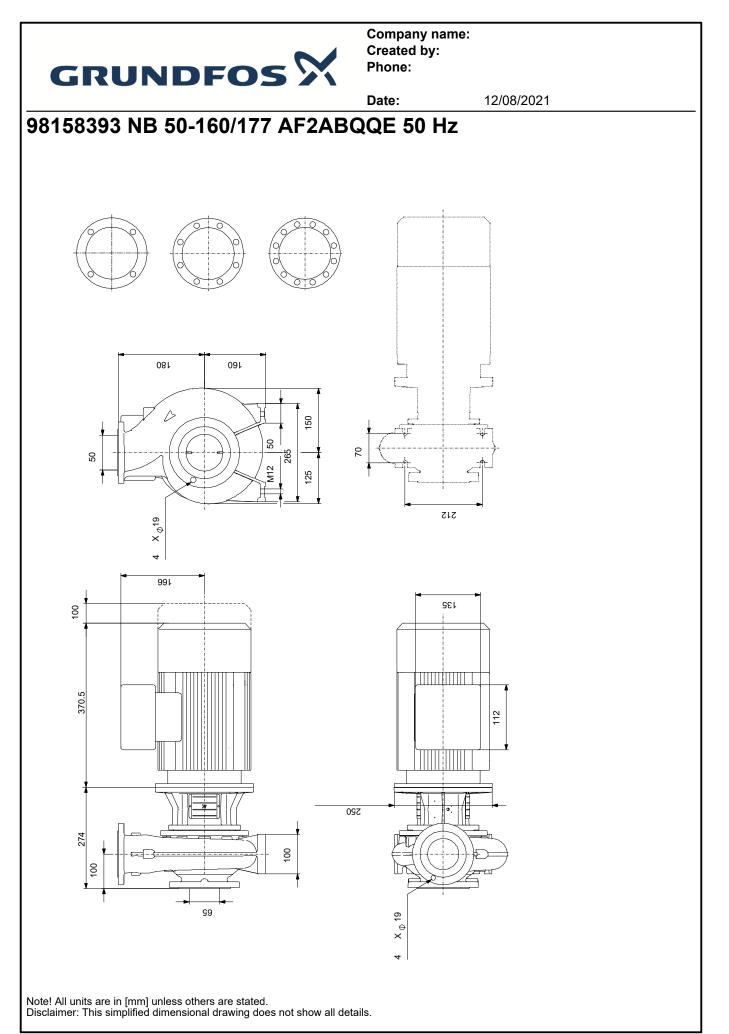


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		Date:	12/08/2021
Description	Value		
Rated speed:	1465 rpm		
Efficiency:	IE3 86,7%		
Motor efficiency at full load:	86.7-86.7 %		
Motor efficiency at 3/4 load:	87.3-87.3 %		
Motor efficiency at 1/2 load:	86.4-86.4 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protec:	NONE		
Motor No:	83V02208		
Mount. design. acc. IEC 34-7:	IM V1		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	63 kg		
Gross weight:	73 kg		
Shipping volume:	0.178 m³		
Country of origin:	HU		
Custom tariff no.:	84137051		







Date:

12/08/2021

98158393 NB 50-160/177 AF2ABQQE 50 Hz

