



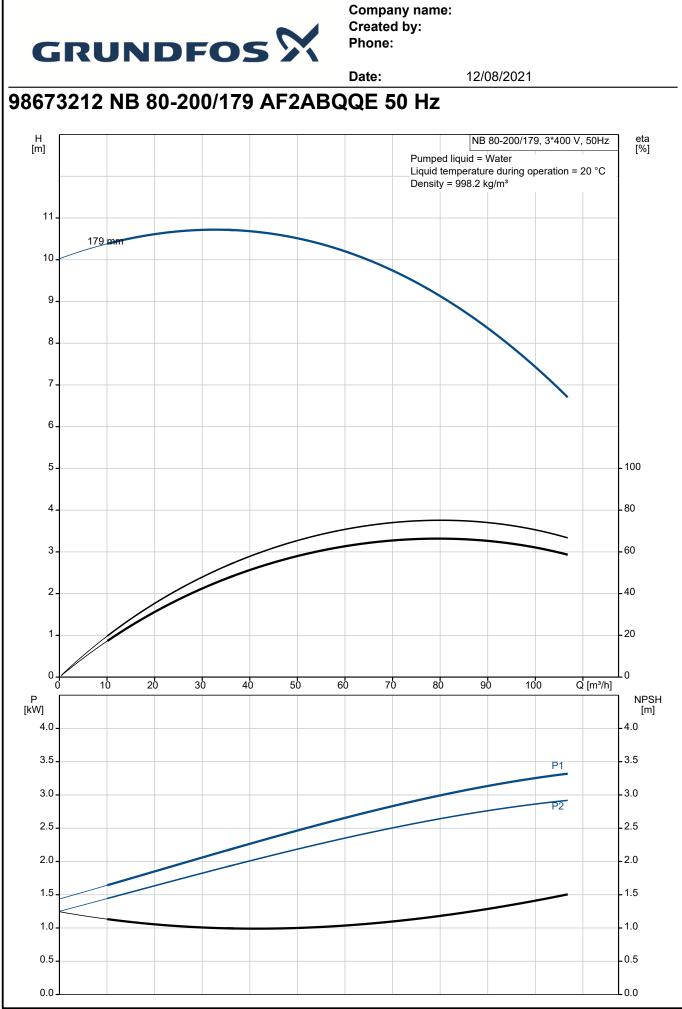
GRUNDFO	DS Y	Flione.						
		Date:	12/08/2021					
Description								
The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.								
The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.								
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 Grundfos CUE offers a range of	a variable speed d variable speed dri	rive for adjustment o ves. Please find mor	f pump performance to any duty point. e 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		60 rpm						
Rated flow:	83.37 m³/h							
Rated head:	8.82 m							
Actual impeller diameter:	179 mm							
Nominal impeller diameter:	200							
Shaft seal arrangement:	Single							
Code for shaft seal:	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							
	ASTM class 30							
Shaft:	Stainless steel							
	EN 1.4301							
Internal pump house coating:	AISI 304 CED							
Installation:	EE °C							
Maximum ambient temperature:								
Maximum operating pressure:	16 bar							
Pipe connection standard: Size of inlet connection:	EN 1092-2 DN 100							

DN 100

Size of inlet connection:

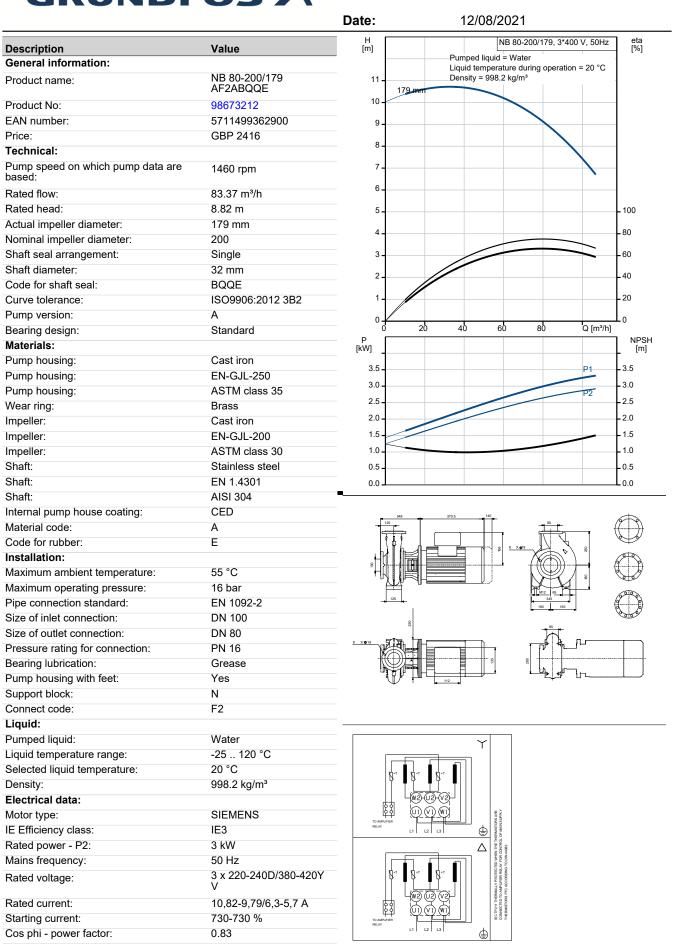


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Description		
Size of outlet connection: Pressure rating for connection: Bearing lubrication: Pump housing with feet: Support block:	DN 80 PN 16 Grease Yes N	
Electrical data: Motor type:	SIEMENS	
IE Efficiency class:	IE3	
Rated power - P2:	3 kW	
Mains frequency:	50 Hz	
Rated voltage: Rated current:	3 x 220-240D/380-420Y V	
Starting current:	10,82-9,79/6,3-5,7 A 730-730 %	
Cos phi - power factor:	0.83	
Rated speed:	1460 rpm	
Efficiency:	IE3 87,7%	
Motor efficiency at full load:	87.7-87.7 %	
Motor efficiency at 3/4 load:	88.4-88.4 %	
Motor efficiency at 1/2 load:	88.2-88.2 %	
Number of poles:	4	
Enclosure class (IEC 34-5): Insulation class (IEC 85):	IP55 F	
Motor No:	83V05210	
	00100210	
Others:		
Minimum efficiency index, MEI ≥		
Net weight:	93 kg	
Gross weight:	110 kg	
Shipping volume:	0.315 m ³	
Country of origin: Custom tariff no.:	HU 84137051	
Custom tann no.:	84137051	



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Motor efficiency at full load:	87.7-87.7 %			
Motor efficiency at 3/4 load:	88.4-88.4 %			
Motor efficiency at 1/2 load:	88.2-88.2 %			
Number of poles:	4			
Enclosure class (IEC 34-5):	IP55			
Insulation class (IEC 85):	F			
Motor protec:	PTC			
Motor No:	83V05210			
Mount. design. acc. IEC 34-7:	IM V1			
Controls:				
Frequency converter:	NONE			
Pressure sensor:	Ν			
Others:				
Minimum efficiency index, MEI ≥:	0.70			
Net weight:	93 kg			
Gross weight:	110 kg			
Shipping volume:	0.315 m³			
Country of origin:	HU			
Custom tariff no.:	84137051			

