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Company name: Created by: Phone:

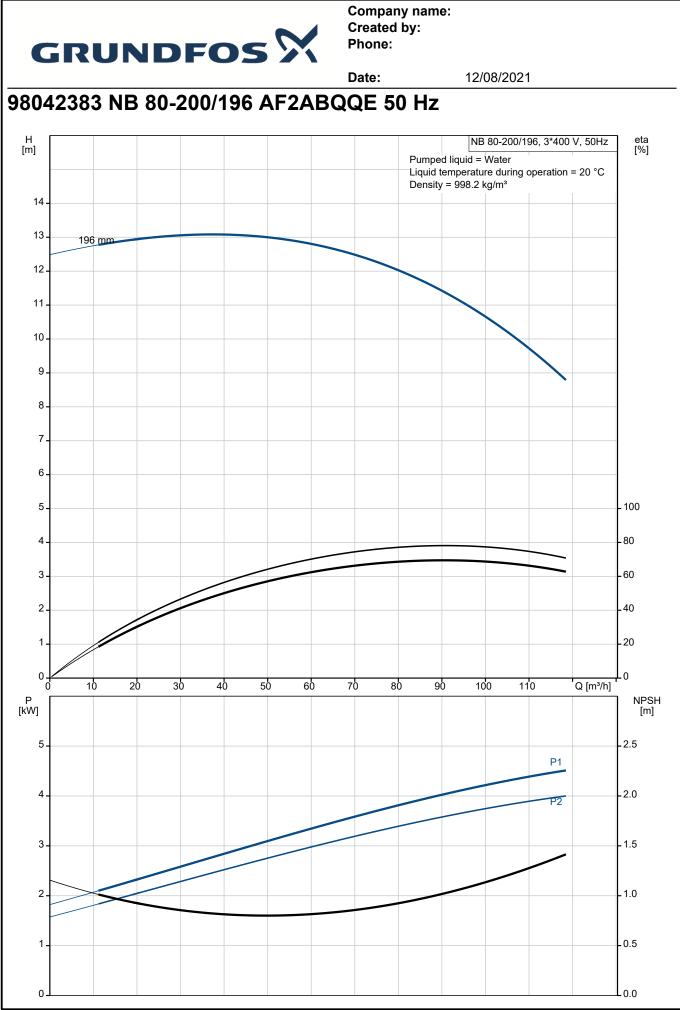
Date: 12/08/2021 Description The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034. The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1. The motor has thermistors (PTC sensors) in the windings 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 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 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<sup>3</sup> Technical: Pump speed on which pump data are based: 1460 rpm Rated flow: 92.13 m<sup>3</sup>/h Rated head: 11.05 m Actual impeller diameter: 196 mm Nominal impeller diameter: 200 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 EN-GJL-200 ASTM class 30 Shaft: Stainless steel EN 1.4301 AISI 304 Internal pump house coating: CFD

Installation: Maximum ambient temperature: 55 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 100



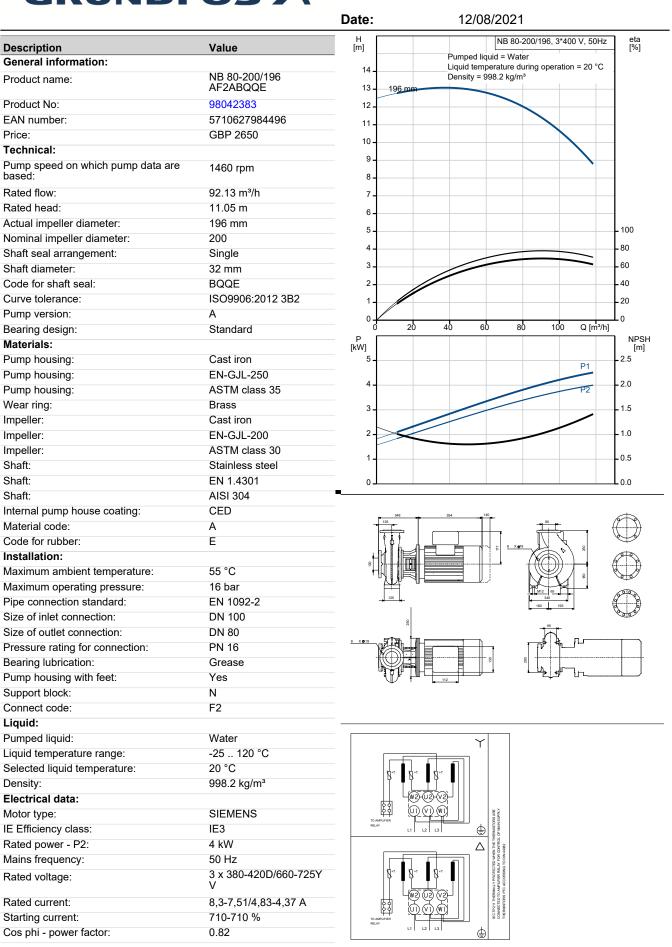
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	Date:	12/08/2021
Description		
Size of outlet connection: Pressure rating for connection: Bearing lubrication: Pump housing with feet: Support block:	DN 80 PN 16 Grease Yes N	
Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: Number of poles:	SIEMENS IE3 4 kW 50 Hz 3 x 380-420D/660-725Y V 8,3-7,51/4,83-4,37 A 710-710 % 0.82 1460 rpm IE3 88,6% 88.6-88.6 % 89.2-89.2 % 88.6-88.6 % 4	
Enclosure class (IEC 34-5):	IP55	
Insulation class (IEC 85):	F	
Motor No:	83V15213	
Others: Minimum efficiency index, MEI ≥ Net weight: Gross weight: Shipping volume: Country of origin: Custom tariff no.:	0.70 98 kg 115 kg 0.315 m <sup>3</sup> HU 84137051	





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		Date:	12/08/2021
Description	Value		
Rated speed:	1460 rpm		
Efficiency:	IE3 88,6%		
Motor efficiency at full load:	88.6-88.6 %		
Motor efficiency at 3/4 load:	89.2-89.2 %		
Motor efficiency at 1/2 load:	88.6-88.6 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protec:	PTC		
Motor No:	83V15213		
Mount. design. acc. IEC 34-7:	IM V1		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	98 kg		
Gross weight:	115 kg		
Shipping volume:	0.315 m³		
Country of origin:	HU		
Custom tariff no.:	84137051		

