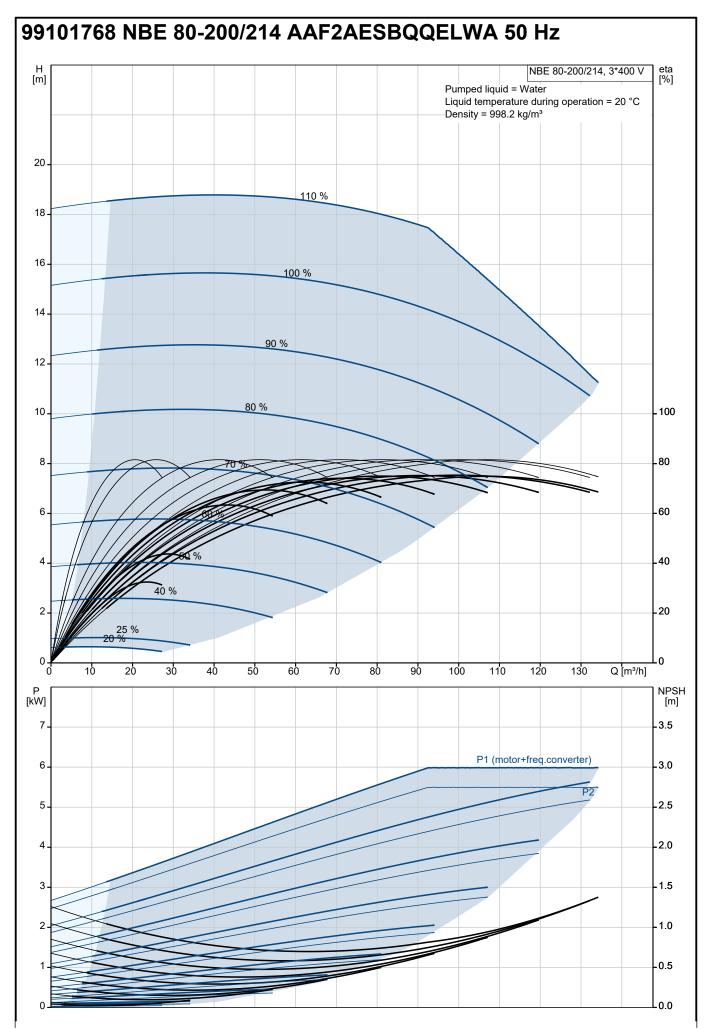
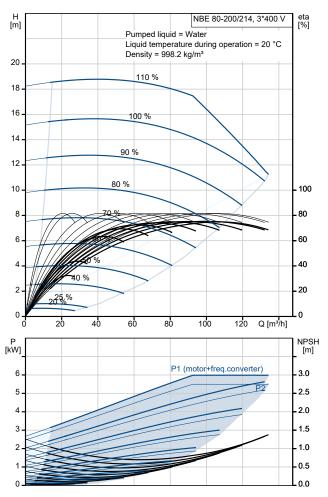


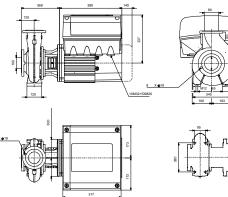
y.	Description							
1	This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.							
	Secondary seal material: EPDM (ethylene-propylene rubber) EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils. The pump housing has feet.							
	Motor							
	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 IE5 in accordance with IEC 60034-30-2.							
	 The motor requires no external motor protection. The motor control unit incorporates protection against slow- and quick-rising temperatures, e.g. constant overload and stalled conditions. The terminal box holds terminals for these connections: one dedicated digital input two analog inputs, 0(4)-20 mA, 0-5 V, 0-10 V, 0.5 - 3.5 V 							
	 one configurable digital input or open-collector output Grundfos Digital Sensor input and output 24 V voltage supply for sensors two signal-relay outputs (potential-free contacts) 							
	 GENIbus connection interface for Grundfos CIM fieldbus module. 							
	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: Pressure sensor:	Built-in N						
	Liquid:							
	Pumped liquid:	Water						
l	Liquid temperature range: Selected liquid temperature:	-25 120 °C 20 °C						
	Density:	998.2 kg/m ³						
	Technical:							
	Pump speed on which pump da Rated flow:	ata are based: 1450 rpm 103.3 m³/h						
	Rated head:	13.4 m						
	Actual impeller diameter:	214 mm						
	Nominal impeller diameter:	200 Single						
	Shaft seal arrangement: Code for shaft seal:	Single 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						
	Internal pump house coating:	ASTM class 30 CED						
	Shaft:	Stainless steel						
		EN 1.4301						
		AISI 304						
fı	rom Grundfos Product Centre [2022	.46.007]						

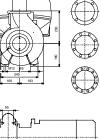
Qty.Description1Installation: Range of ambient temperature: -20 50 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 100 Size of outlet connection: DN 80 Pressure rating for connection: PN 16 Bearing lubrication: Grease Pump housing with feet: Yes Support block (Yes/No): NElectrical data: IE Efficiency class: IE5 Rated power - P2: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V Rated current: 10.5-8.40 A	
Range of ambient temperature:-20 50 °CMaximum operating pressure:16 barPipe connection standard:EN 1092-2Size of inlet connection:DN 100Size of outlet connection:DN 80Pressure rating for connection:PN 16Bearing lubrication:GreasePump housing with feet:YesSupport block (Yes/No):NElectrical data:IE Efficiency class:IE5Rated power - P2:5.5 kWMains frequency:50 HzRated voltage:3 x 380-500 VRated current:10.5-8.40 A	
Maximum operating pressure:16 barPipe connection standard:EN 1092-2Size of inlet connection:DN 100Size of outlet connection:DN 80Pressure rating for connection:PN 16Bearing lubrication:GreasePump housing with feet:YesSupport block (Yes/No):NElectrical data:IE5Rated power - P2:5.5 kWMains frequency:50 HzRated voltage:3 x 380-500 VRated current:10.5-8.40 A	
Size of inlet connection:DN 100Size of outlet connection:DN 80Pressure rating for connection:PN 16Bearing lubrication:GreasePump housing with feet:YesSupport block (Yes/No):NElectrical data:IE5Rated power - P2:5.5 kWMains frequency:50 HzRated voltage:3 x 380-500 VRated current:10.5-8.40 A	
Size of outlet connection:DN 80Pressure rating for connection:PN 16Bearing lubrication:GreasePump housing with feet:YesSupport block (Yes/No):NElectrical data:IE Efficiency class:IE5Rated power - P2:5.5 kWMains frequency:50 HzRated voltage:3 x 380-500 VRated current:10.5-8.40 A	
Pressure rating for connection:PN 16Bearing lubrication:GreasePump housing with feet:YesSupport block (Yes/No):NElectrical data:IE Efficiency class:IE5Rated power - P2:5.5 kWMains frequency:50 HzRated voltage:3 x 380-500 VRated current:10.5-8.40 A	
Bearing lubrication: Grease Pump housing with feet: Yes Support block (Yes/No): N Electrical data: IE IE Efficiency class: IE5 Rated power - P2: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V Rated current: 10.5-8.40 A	
Pump housing with feet:YesSupport block (Yes/No):NElectrical data:IE Efficiency class:IE5Rated power - P2:5.5 kWMains frequency:50 HzRated voltage:3 x 380-500 VRated current:10.5-8.40 A	
Support block (Yes/No):NElectrical data:IE Efficiency class:IE5Rated power - P2:5.5 kWMains frequency:50 HzRated voltage:3 x 380-500 VRated current:10.5-8.40 A	
Electrical data:IE Efficiency class:IE5Rated power - P2:5.5 kWMains frequency:50 HzRated voltage:3 x 380-500 VRated current:10.5-8.40 A	
IE Efficiency class:IE5Rated power - P2:5.5 kWMains frequency:50 HzRated voltage:3 x 380-500 VRated current:10.5-8.40 A	
Rated power - P2:5.5 kWMains frequency:50 HzRated voltage:3 x 380-500 VRated current:10.5-8.40 A	
Mains frequency:50 HzRated voltage:3 x 380-500 VRated current:10.5-8.40 A	
Rated voltage: 3 x 380-500 V Rated current: 10.5-8.40 A	
Rated current: 10.5-8.40 A	
Coa phi nowar fastary 0.02.0.99	
Cos phi - power factor:0.92-0.88Rated speed:180-2200 rpm	
Efficiency:91.9%Motor efficiency at full load:91.9 %	
Number of poles: 4	
Enclosure class (IEC 34-5): IP55	
Insulation class (IEC 85): F	
Motor No: 98971267	
Bearing insulation type N-end: STEEL BEARING	
Others:	
Minimum efficiency index, MEI ≥: 0.70	
Net weight: 112 kg	
Gross weight: 134 kg	
Shipping volume: 0.509 m ³	
Danish VVS No.: 386104205	
Country of origin: HU	
Custom tariff no.: 84137051	

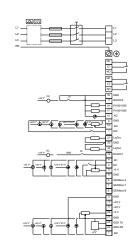


Description General information:	Value	
	NBE 80-200/21/	
Product name:	NBE 80-200/214 AAF2AESBQQELWA	
Product No:	99101768	
EAN number:	5712606788149	
Technical:		
Pump speed on which pump data are based:	1450 rpm	
Rated flow:	103.3 m³/h	
Rated head:	13.4 m	
Actual impeller diameter:	214 mm	
Nominal impeller diameter:	200	
Shaft seal arrangement:	Single	
Shaft diameter:	32 mm	
Code for shaft seal:	BQQE	
Curve tolerance:	ISO9906:2012 3B2	
Pump version:	A	
Bearing design:	Standard	
Materials:		
Pump housing:	Cast iron	
Pump housing:	EN-GJL-250	
Pump housing:	ASTM class 35	
Wear ring:	Brass	
Impeller:	Cast iron	
Impeller:	EN-GJL-200	
Impeller:	ASTM class 30	
Internal pump house coating:	CED	
Material code:	A	
Code for rubber:	E	
Shaft:	Stainless steel	
Shaft:	EN 1.4301	
Shaft:	AISI 304	
Installation:		
Range of ambient temperature:	-20 50 °C	
Maximum operating pressure:	16 bar	
Pipe connection standard:	EN 1092-2	
Size of inlet connection:	DN 100	
Size of outlet connection:	DN 80	
Pressure rating for connection:	PN 16	
Bearing lubrication:	Grease	
Pump housing with feet:	Yes	
Support block (Yes/No):	N	
Connect code:	F2	
Liquid:	Water	
Pumped liquid:	Water	
Liquid temperature range:	-25 120 °C	
Selected liquid temperature:	20 °C	
Density:	998.2 kg/m³	
Electrical data:	155	
IE Efficiency class:	IE5	
Rated power - P2:	5.5 kW	
Mains frequency:	50 Hz	
Rated voltage:	3 x 380-500 V	
Rated current:	10.5-8.40 A	
Cos phi - power factor:	0.92-0.88	
Rated speed:	180-2200 rpm	
Efficiency:	91.9%	
Motor efficiency at full load:	91.9 %	
Number of poles:	4	
Enclosure class (IEC 34-5):	IP55	
Insulation class (IEC 85):	F	
Built-in motor protection:	ELEC	
Motor No:	98971267	
Mount. design. acc. IEC 34-7:	IM V1/B5	

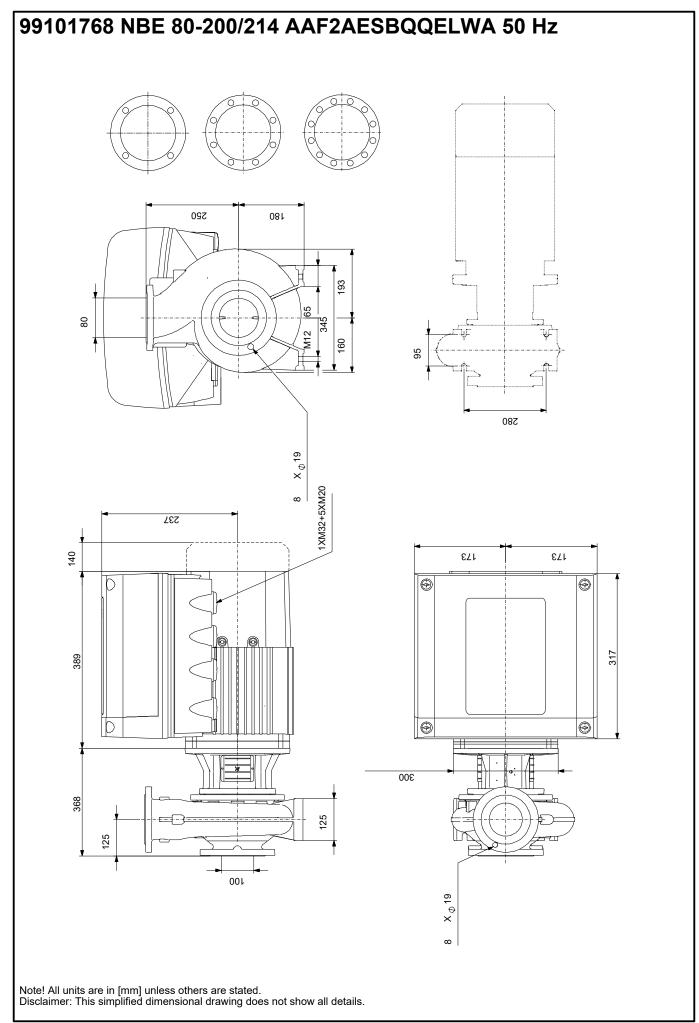


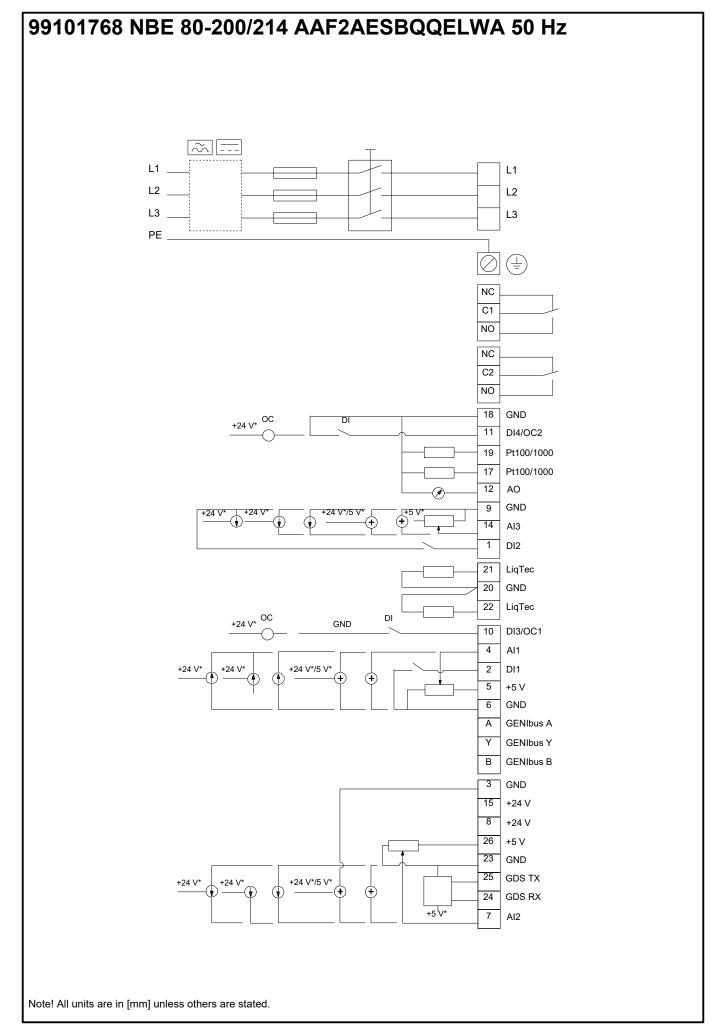






Description	Value	
Bearing insulation type N-end:	STEEL BEARING	
Controls:		
Control panel:	HMI300 - Advanced	
Function Module:	FM300 - Advanced	
Frequency converter:	Built-in	
Pressure sensor:	Ν	
Others:		
Minimum efficiency index, MEI ≥:	0.70	
Net weight:	112 kg	
Gross weight:	134 kg	
Shipping volume:	0.509 m³	
Danish VVS No.:	386104205	
Country of origin:	HU	
Custom tariff no.:	84137051	





Order Data:								
Position	Your pos.	Product name	Amount	Product No	Total			
		NBE 80-200/214	1	99101768	Price o reques			
					reques			
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