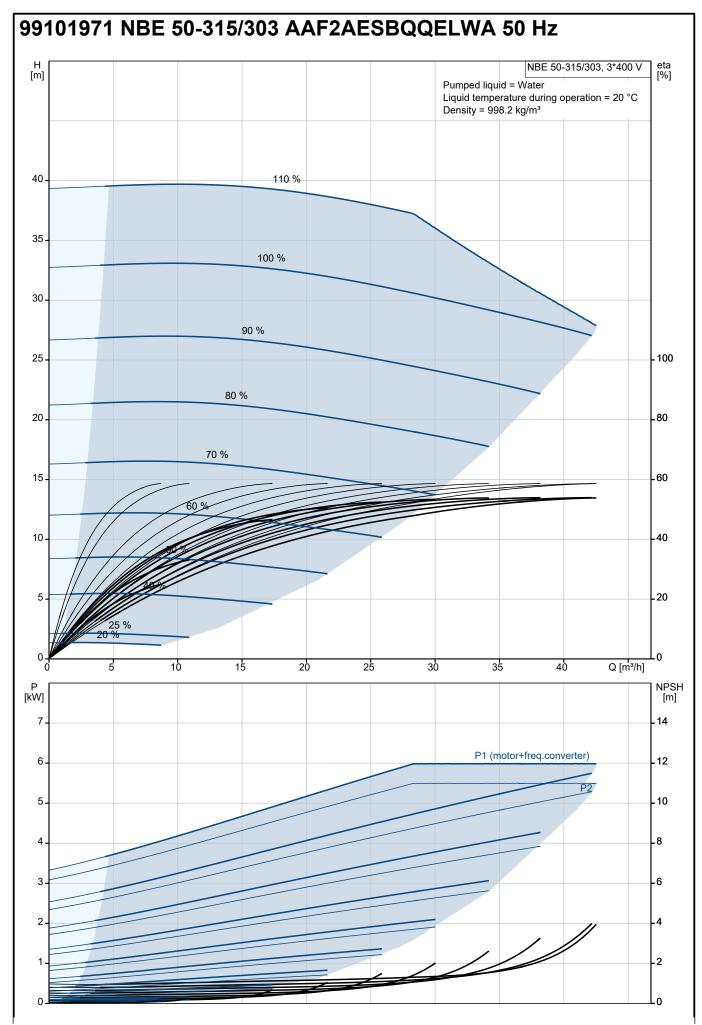
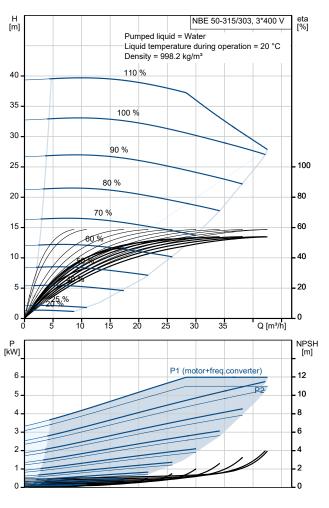


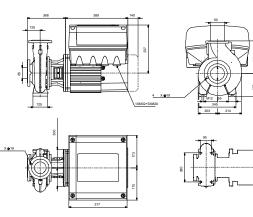
ty.	Description						
	This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.						
	Secondary seal material: EPDM (ethylene-propylene rubber) EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils. The pump housing has feet.						
	<b>Motor</b> 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						
	<ul> <li>5 V voltage supply to potentiometer and sensor</li> <li>one configurable digital input or open-collector output</li> <li>Grundfos Digital Sensor input and output</li> <li>24 V voltage supply for sensors</li> <li>two signal-relay outputs (potential-free contacts)</li> <li>GENIbus connection</li> </ul>						
	- interface for Grundfos CIM fieldbus module.						
	<b>Further product details</b> 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:	Built-in					
	Pressure sensor:	Ν					
	Liquid:						
	Pumped liquid:	Water					
	Liquid temperature range: Selected liquid temperature:	-25 120 °C 20 °C					
	Density:	998.2 kg/m³					
	Technical:						
	Pump speed on which pump data are based: 1450 rpm						
	Rated flow:	42.2 m <sup>3</sup> /h					
	Rated head: Actual impeller diameter:	27.1 m 303 mm					
	Nominal impeller diameter:	315					
	Shaft seal arrangement:	Single					
	Code for shaft seal:	BQQE					
	Curve tolerance: Bearing design:	ISO9906:2012 3B2 Standard					
	Materials:						
	Pump housing:	Cast iron EN-GJL-250					
		ASTM class 35					
	Wear ring: Impeller:	Brass Cast iron					
		EN-GJL-200					
		ASTM class 30					
	Internal pump house coating:	CED					
	Shaft:	Stainless steel					
		EN 1.4301 AISI 304					
fi	rom Grundfos Product Centre [2022	.46.007]					

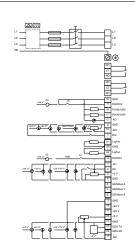
Qty.	Description				
1	Installation:				
	Range of ambient temperature:	-20 50 °C			
	Maximum operating pressure:	16 bar			
	Pipe connection standard:	EN 1092-2			
	Size of inlet connection:	DN 65			
	Size of outlet connection:	DN 50			
	Pressure rating for connection:	PN 16			
	Bearing lubrication:	Grease			
	Pump housing with feet:	Yes			
	Support block (Yes/No):	Ν			
	Electrical 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			
	Cos phi - power factor:	0.92-0.88			
	Rated speed: Efficiency:	180-2200 rpm 91.9%			
	Motor efficiency at full load:	91.9% 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:	145 kg			
	Gross weight:	166 kg			
	Shipping volume:	0.509 m <sup>3</sup>			
	Danish VVS No.:	386102317			
	Country of origin:	HU			
	Custom tariff no.:	84137051			
		6 0071 3			



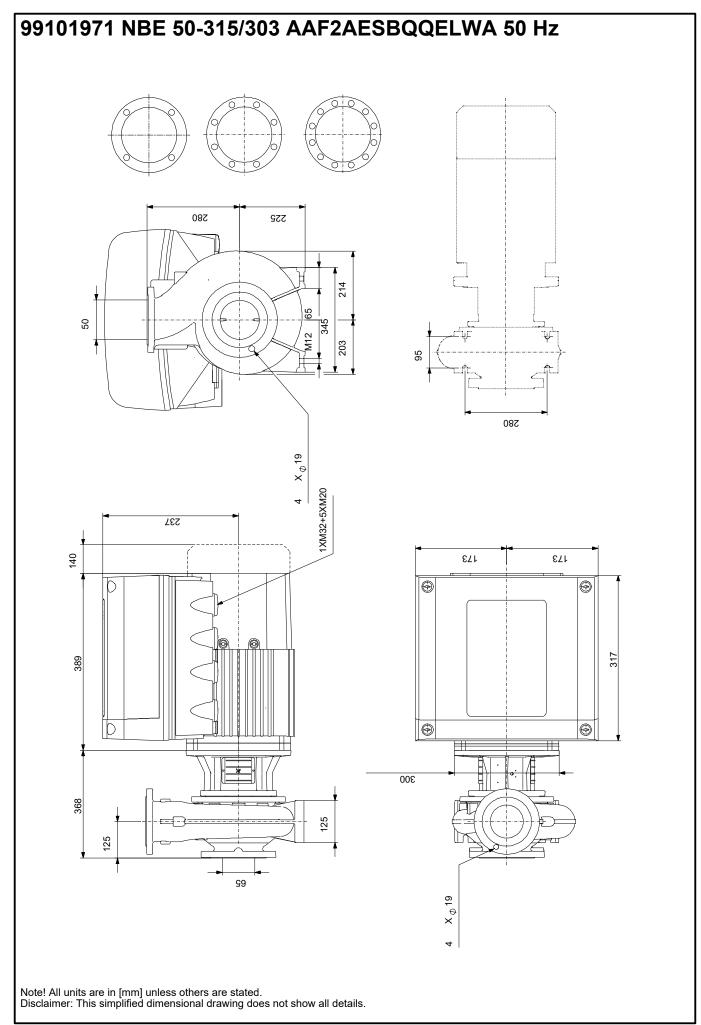
Description	Value
Description General information:	Value
Product name:	NBE 50-315/303
Floduct hame.	AAF2AESBQQELWA
Product No:	99101971
EAN number:	5712606792337
Technical:	
Pump speed on which pump data	1450 rpm
are based:	10.0 3/
Rated flow:	42.2 m <sup>3</sup> /h
Rated head:	27.1 m
Actual impeller diameter:	303 mm
Nominal impeller diameter: Shaft seal arrangement:	315 Single
Shaft diameter:	Single 32 mm
Code for shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B2
Pump version:	A
Bearing design:	Standard
Materials:	Otandard
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:	Α
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 65
Size of outlet connection:	DN 50
Pressure rating for connection:	PN 16
Bearing lubrication:	Grease
Pump housing with feet:	Yes
Support block (Yes/No):	N
Connect code:	F2
Liquid:	10/
Pumped liquid:	Water
Pumped liquid: Liquid temperature range:	-25 120 °C
Pumped liquid: Liquid temperature range: Selected liquid temperature:	-25 120 °C 20 °C
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	-25 120 °C
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data:	-25 120 °C 20 °C 998.2 kg/m³
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: IE Efficiency class:	-25 120 °C 20 °C 998.2 kg/m³ IE5
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: IE Efficiency class: Rated power - P2:	-25 120 °C 20 °C 998.2 kg/m³ IE5 5.5 kW
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: <b>Electrical data:</b> IE Efficiency class: Rated power - P2: Mains frequency:	-25 120 °C 20 °C 998.2 kg/m³ IE5 5.5 kW 50 Hz
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: <b>Electrical data:</b> IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage:	-25 120 °C 20 °C 998.2 kg/m³ IE5 5.5 kW 50 Hz 3 x 380-500 V
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: <b>Electrical data:</b> IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current:	-25 120 °C 20 °C 998.2 kg/m³ IE5 5.5 kW 50 Hz 3 x 380-500 V 10.5-8.40 A
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: Cos phi - power factor:	-25 120 °C 20 °C 998.2 kg/m³ IE5 5.5 kW 50 Hz 3 x 380-500 V 10.5-8.40 A 0.92-0.88
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated voltage: Rated current: Cos phi - power factor: Rated speed:	-25 120 °C 20 °C 998.2 kg/m³ IE5 5.5 kW 50 Hz 3 x 380-500 V 10.5-8.40 A 0.92-0.88 180-2200 rpm
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated voltage: Rated current: Cos phi - power factor: Rated speed: Efficiency:	-25 120 °C 20 °C 998.2 kg/m³ IE5 5.5 kW 50 Hz 3 x 380-500 V 10.5-8.40 A 0.92-0.88 180-2200 rpm 91.9%
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated voltage: Rated current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load:	-25 120 °C 20 °C 998.2 kg/m³ IE5 5.5 kW 50 Hz 3 x 380-500 V 10.5-8.40 A 0.92-0.88 180-2200 rpm 91.9% 91.9 %
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated voltage: Rated current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Number of poles:	-25 120 °C 20 °C 998.2 kg/m <sup>3</sup> IE5 5.5 kW 50 Hz 3 x 380-500 V 10.5-8.40 A 0.92-0.88 180-2200 rpm 91.9% 91.9 % 4
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated voltage: Rated current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Number of poles: Enclosure class (IEC 34-5):	-25 120 °C 20 °C 998.2 kg/m <sup>3</sup> IE5 5.5 kW 50 Hz 3 x 380-500 V 10.5-8.40 A 0.92-0.88 180-2200 rpm 91.9% 91.9 % 4 IP55
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: <b>Electrical data:</b> IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated voltage: Rated current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85):	-25 120 °C 20 °C 998.2 kg/m <sup>3</sup> IE5 5.5 kW 50 Hz 3 x 380-500 V 10.5-8.40 A 0.92-0.88 180-2200 rpm 91.9% 91.9 % 4 IP55 F
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated voltage: Rated current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85): Built-in motor protection:	-25 120 °C 20 °C 998.2 kg/m <sup>3</sup> IE5 5.5 kW 50 Hz 3 x 380-500 V 10.5-8.40 A 0.92-0.88 180-2200 rpm 91.9% 91.9 % 4 IP55 F ELEC
Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated voltage: Rated current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85):	-25 120 °C 20 °C 998.2 kg/m <sup>3</sup> IE5 5.5 kW 50 Hz 3 x 380-500 V 10.5-8.40 A 0.92-0.88 180-2200 rpm 91.9% 91.9 % 4 IP55 F

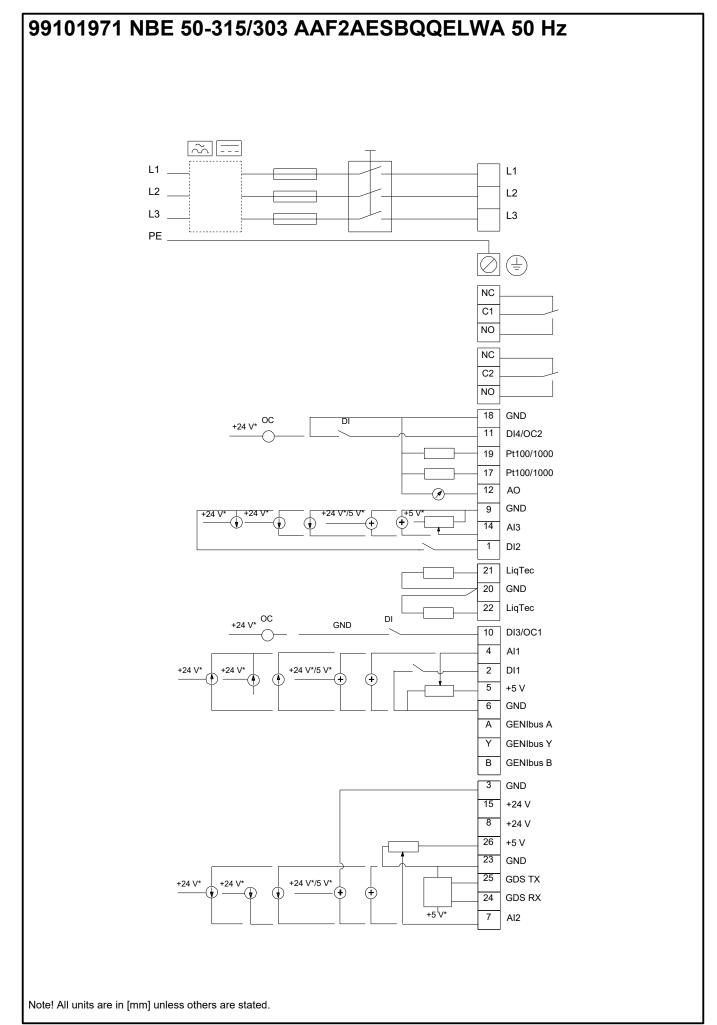






Description	Value	
Bearing insulation type N-end:	STEEL BEARING	
Controls:		
Control panel:	HMI300 - Advanced	
Function Module:	FM300 - Advanced	
Frequency converter:	Built-in	
Pressure sensor:	Ν	
Others:		
Minimum efficiency index, MEI ≥:	0.70	
Net weight:	145 kg	
Gross weight:	166 kg	
Shipping volume:	0.509 m³	
Danish VVS No.:	386102317	
Country of origin:	HU	
Custom tariff no.:	84137051	





		Order Da			
Position	Your pos.	Product name	Amount	Product No	Total
		NBE 50-315/303	1	99101971	Price o reques
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