



12/08/2021

Qty. | Description

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 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.

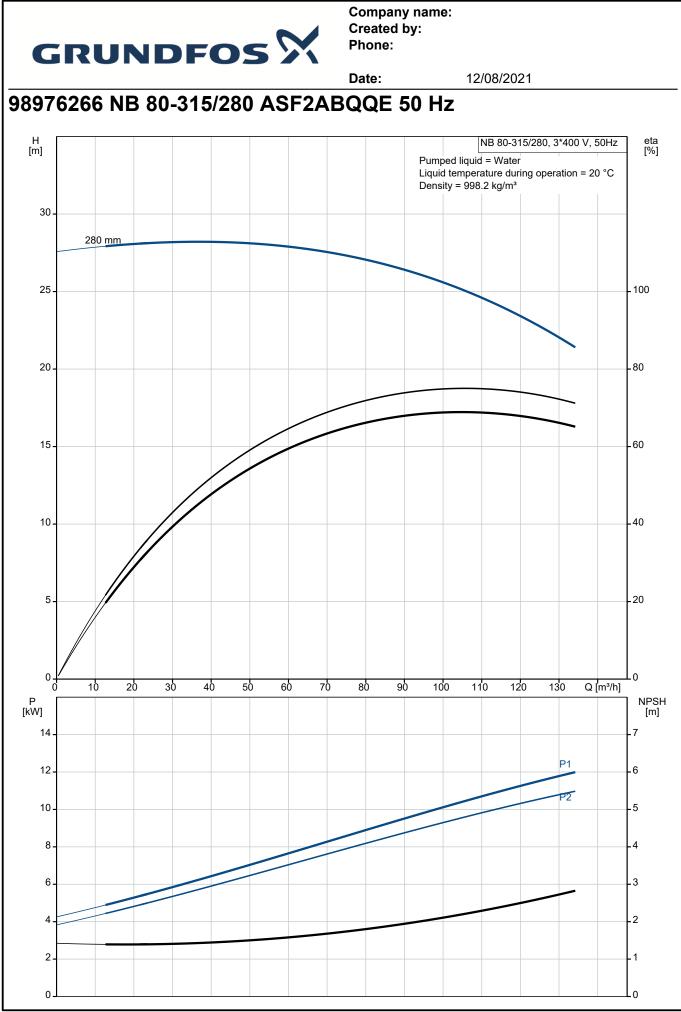
Further product details

Technical data

Controls: Frequency converter: Pressure sensor:	NONE N
Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	Water -25 120 °C 20 °C 998.2 kg/m³
Technical: Pump speed on which pump dat Rated flow: Rated head: Actual impeller diameter: Nominal impeller diameter: Shaft seal arrangement: Code for shaft seal: Curve tolerance: Bearing design:	a are based: 1475 rpm 108 m³/h 24.63 m 280 mm 315 Single BQQE ISO9906:2012 3B Standard
Materials: Pump housing:	Cast iron EN-GJL-250
Wear ring: Impeller: Shaft:	ASTM class 35 Brass Cast iron EN-GJL-200 ASTM class 30 Stainless steel
Internal pump house coating:	EN 1.4301 AISI 304 CED
Installation: Maximum ambient temperature: Maximum operating pressure: Pipe connection standard:	55 °C 16 bar EN 1092-2



Description Size of inlet connection: DN 100 Size of outlet connection: DN 80 Pressure rating for connection: PN 16 Bearing lubrication: Casease Pump housing with feet: Yes Support block: Y Electrical data:				Date:	12/08/2021
Size of outlet connection:DN 80Pressure rating for connection:PN 16Bearing lubrication:GreasePump housing with feet:YesSupport block:YElectrical data:Motor type:IE Efficiency class:IE3Rated power - P2:11 kWMains frequency:50 HzRated voltage:3 x 380-420D/660-725Y VRated current:21,53-19,5/12,4-11,2 AStarting current:680-680 %Cos phi - power factor:0.84Rated speed:1475 rpmEfficiency at 3/4 load:91.4-91.4 %Motor efficiency at 3/4 load:91.4-91.4 %Number of poles:4Enclosure class (IEC 34-5):FMotor No:99032187Others:0.70Minimum efficiency index, MEI \geq 0.70Net weight:212 kgGross weight:245 kgShipping volume:0.951 m³County of origin:HU	.	Description			
Pressure rating for connection:PN 16Bearing lubrication:GreasePump housing with feet:YesSupport block:YElectrical data:YMotor type:SIEMENSIE Efficiency class:IE3Rated power - P2:11 kWMains frequency:50 HzRated voltage:3 x 380-420D/660-725Y VRated voltage:3 x 380-420D/660-725Y VRated speed:1475 rpmEfficiency at sull load:91.4-91.4 %Motor efficiency at full load:91.4-91.4 %Motor efficiency at 3/4 load:91.9-91.9 %Motor efficiency at 1/2 load:91.4-91.4 %Number of poles:4Enclosure class (IEC 34-5):IP55Insulation class (IEC 35):FMotor No:99032187Others:0.70Net weight:212 kgGross weight:245 kgShipping volume:0.951 m³Country of origin:HU		Size of inlet connection:	DN 100		
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Country of origin: HU					
			04137031		



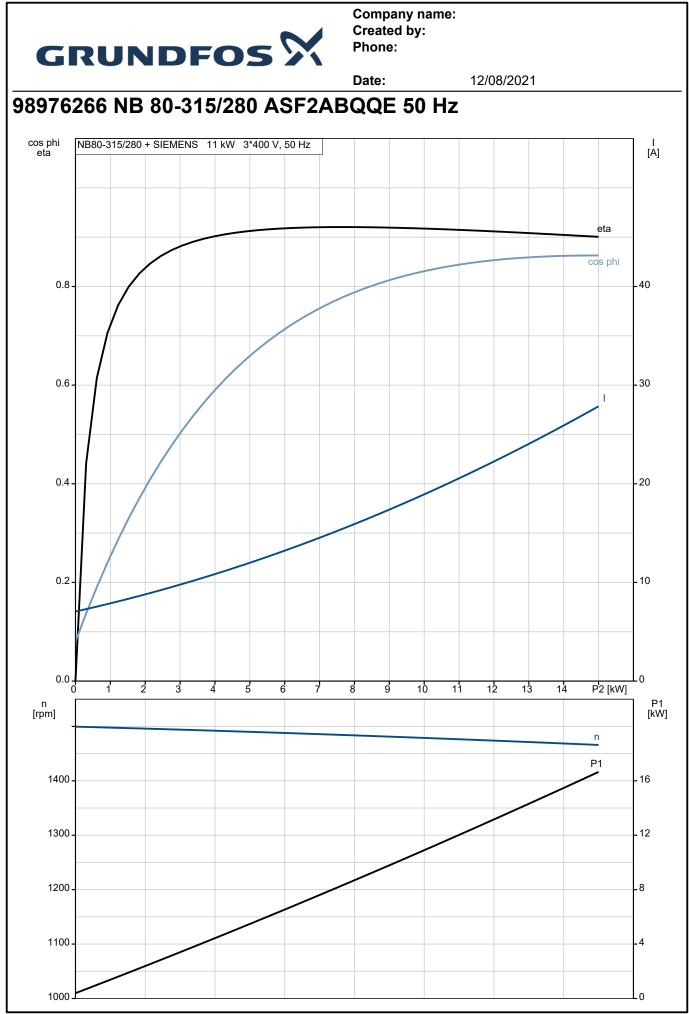


		Date:	12/08/2021
Description	Value	H [m]	NB 80-315/280, 3*400 V, 50Hz [%]
General information:	Vuluo		Pumped liquid = Water Liquid temperature during operation = 20 °C
Product name:	NB 80-315/280 ASF2ABQQE	30 - 280 mn	Density = 998.2 kg/m ³
Product No:	98976266	_	
EAN number:	5712604558973	25 -	100
Price:	GBP 4831		
Technical:		20 -	- 80
Pump speed on which pump data are based:	1475 rpm	20	
Rated flow:	108 m³/h	15 -	60
Rated head:	24.63 m		
Actual impeller diameter:	280 mm		
Nominal impeller diameter:	315	10	40
Shaft seal arrangement:	Single		
Shaft diameter:	32 mm		
Code for shaft seal:	BQQE	5-	
Curve tolerance:	ISO9906:2012 3B		
Pump version:	AS	0	
Bearing design:	Standard	0 2Ò	40 60 80 100 120 Q [m³/h]
Materials:		P [kW]	NPS [m]
Pump housing:	Cast iron		
Pump housing:	EN-GJL-250	12 -	P1 -6
Pump housing:	ASTM class 35	10	P2 5
Wear ring:	Brass	8 -	4
Impeller:	Cast iron	-	
Impeller:	EN-GJL-200	6-	3
Impeller:	ASTM class 30	4	2
Shaft:	Stainless steel	2	1
Shaft:	EN 1.4301		
Shaft:	AISI 304		
Internal pump house coating:	CED	398	494 • ¹⁴⁰ • • •
Material code:	А		
Code for rubber:	E		
Installation:			
Maximum ambient temperature:	55 °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	\mathbb{U}	
Pump housing with feet:	Yes		
Support block:	Y		
Connect code:	F2		
Liquid:			
Pumped liquid:	Water		~
Liquid temperature range:	-25 120 °C	-	Y
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m ³	- ×" ■ ×"	
Electrical data:	5		
Motor type:	SIEMENS		
IE Efficiency class:	IE3	TO AMPLIFIER RELAY	
Rated power - P2:	11 kW	-	
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-420D/660-725Y V	B⁺T B⁺T	
Rated current:	21,53-19,5/12,4-11,2 A		
Starting current:	680-680 %		
Cos phi - power factor:	0.84	RELAY L1	
- F Frankiski		_	

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		Date:	12/08/2021
Description	Value		
Rated speed:	1475 rpm	_	
Efficiency:	IE3 91,4%		
Motor efficiency at full load:	91.4-91.4 %		
Motor efficiency at 3/4 load:	91.9-91.9 %		
Motor efficiency at 1/2 load:	91.4-91.4 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protec:	PTC		
Motor No:	99032187		
Mount. design. acc. IEC 34-7:	IM B35		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	212 kg		
Gross weight:	245 kg		
Shipping volume:	0.951 m³		
Country of origin:	HU		
Custom tariff no.:	84137051		



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