



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.

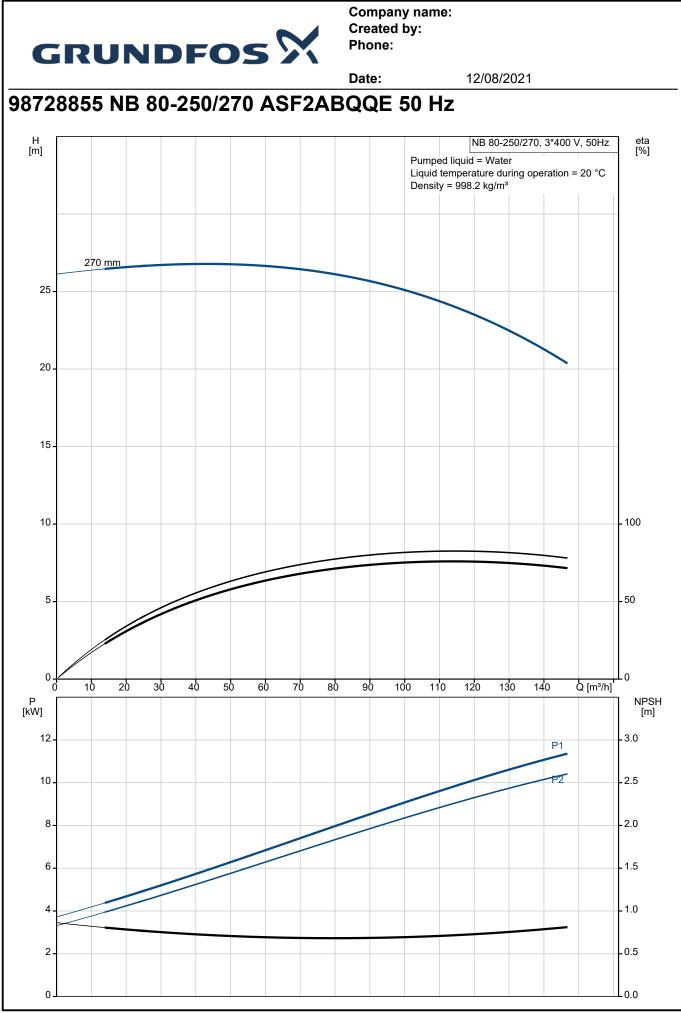
Further product details

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 data 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 120.3 m³/h 23.28 m 270 mm 250 Single BQQE ISO9906:2012 3B Standard
Materials: Pump housing:	Cast iron EN-GJL-250
Wear ring: Impeller:	ASTM class 35 Brass Cast iron EN-GJL-200 ASTM class 30
Shaft: Internal pump house coating:	Stainless steel EN 1.4301 AISI 304 CED
Installation: Maximum ambient temperature: Maximum operating pressure: Pipe connection standard:	55 °C 16 bar EN 1092-2



		Date:	12/08/2021	
Description				
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:	Y			
Electrical data:				
Motor type:	SIEMENS			
IE Efficiency class:	IE3			
Rated power - P2:	11 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-420D/660-			
Rated current:	21,53-19,5/12,4-11	,2 A		
Starting current:	680-680 %			
Cos phi - power factor:	0.84			
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 No:	99032187			
Others:				
Minimum efficiency index, MEI ≥:	0.70			
Net weight:	199 kg			
Gross weight:	224 kg			
Shipping volume:	0.707 m³			
Country of origin:	HU			
Custom tariff no.:	84137051			
1				



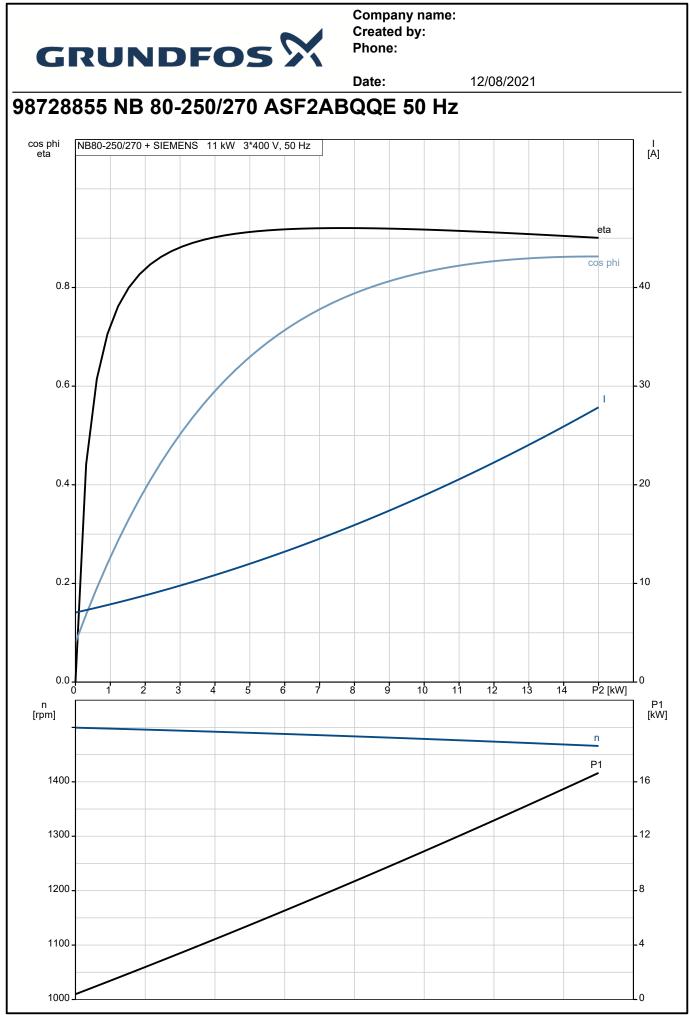


		Date:		12/08/2	021	
Description	Value	H [m]			B 80-250/270, 3*400 V, 50Hz	eta [%]
General information:				Pumped liquid =	= Water ure during operation = 20 °C	
Product name:	NB 80-250/270 ASF2ABQQE	-		Density = 998.2		
Product No:	98728855		270 mm			
EAN number:	5712600567153	25 -				_
Price:	GBP 4584					
Technical:	351 4304					
Pump speed on which pump data are	4.475	20 -				-
based:	1475 rpm					
Rated flow:	120.3 m³/h	15 -				-
Rated head:	23.28 m	-				
Actual impeller diameter:	270 mm					
Nominal impeller diameter:	250	10 -				100
Shaft seal arrangement:	Single					
Shaft diameter:	32 mm	_				50
Code for shaft seal:	BQQE	5-				- 50
Curve tolerance:	ISO9906:2012 3B					1
Pump version:	AS	0	/			
Bearing design:	Standard	0	20 4	40 60 80	100 120 Q [m³/h]	
Materials:		P [kW]				NPSH [m]
Pump housing:	Cast iron	· · · · · ·				-
Pump housing:	EN-GJL-250	10 -				2.5
Pump housing:	ASTM class 35	10 -			12	
Wear ring:	Brass	8-				- 2.0
Impeller:	Cast iron	6 -				1.5
Impeller:	EN-GJL-200					
Impeller:	ASTM class 30	4-				- 1.0
Shaft:	Stainless steel	2				0.5
Shaft:	EN 1.4301					
		ـــ ٥				0.0
Shaft:	AISI 304					
Internal pump house coating:	CED					
Material code:	A		398	494 - 140	a ato	、 、
Code for rubber:	E)
Installation:						λ.
Maximum ambient temperature:	55 °C					ŧ
Maximum operating pressure:	16 bar					\ \
Pipe connection standard:	EN 1092-2					7
Size of inlet connection:	DN 100		360		120	
Size of outlet connection:	DN 80	8 X 👩	° 			
Pressure rating for connection:	PN 16				8	
Bearing lubrication:	Grease				┷──────────	_
Pump housing with feet:	Yes		ΨŤ	145	108	
Support block:	Y					
Connect code:	F2					
Liquid:						
Pumped liquid:	Water			Y		
Liquid temperature range:	-25 120 °C	· -		, '		
Selected liquid temperature:	20 °C					
Density:	998.2 kg/m ³		k. ∎ k. ∎ ,	₽ ■		
Electrical data:	U ^r		山崎市			
Motor type:	SIEMENS		1 00	wiji i i i i i i i i i i i i i i i i i i		
IE Efficiency class:	IE3	TO AMPLIF RELAY				
Rated power - P2:	11 kW			돈거	~	
		- r			20044-002	
Mains frequency:	50 Hz				0	
Rated voltage:	3 x 380-420D/660-725Y V				s PTC ACCOR	
Rated current:	21,53-19,5/12,4-11,2 A	·			250042	
Starting current:	680-680 %	TO AMPLIF			A B	
Cos phi - power factor:	0.84	PELAY	L1 L2	··· •		

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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:	199 kg		
Gross weight:	224 kg		
Shipping volume:	0.707 m³		
Country of origin:	HU		
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