



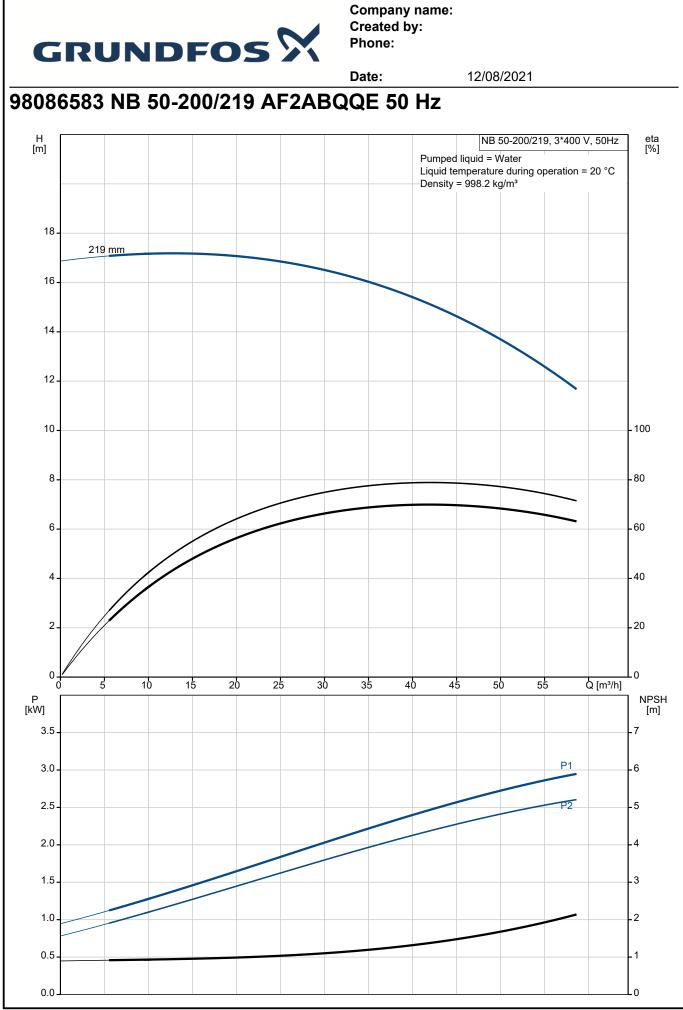
GR	UNDFO	DS X	Phone:		
			Date:	12/08/2021	
Descrip	tion				
The mot	or is a totally enclosed, f es comply with IEC 6003	an-cooled motor w	ith principal dimens	ions to IEC and DIN standards. Elect	trical
The mot	or efficiency is classified	as IE3 in accordar		-30-1. e with DIN 44081/DIN 44082. The pr	otection
reacts to	both slow- and quick-ris	sensors) in the wir	e.g. constant overlo	ad and stalled conditions.	OLECTION
Thermal cannot c regulatio	ause accidents. The mo	cted to an externa tors must be conne	l control circuit in a ected to a motor-pro	way which ensures that the automati tective circuit breaker according to lo	c reset ocal
The moto Grundfos	or can be connected to a s CUE offers a range of	a variable speed dr variable speed driv	ive for adjustment c es. Please find mor	f pump performance to any duty poir e information in Grundfos Product Ce	nt. enter.
Furthe	r product details				
Techni	cal data				
Controls	:				
-	cy converter:	NONE			
Pressure	e sensor:	Ν			
Liquid:					
Pumped	•	Water			
	mperature range:	-25 120 °C			
	l liquid temperature:	20 °C			
Density:		998.2 kg/m³			
Technica					
	beed on which pump data		30 rpm		
Rated flo		45.31 m³/h			
Rated he		14.3 m			
	npeller diameter:	219 mm			
	impeller diameter: al arrangement:	200 Single			
	shaft seal:	BQQE			
Curve to		ISO9906:2012 3E	32		
Bearing		Standard			
Materials	S:				
Pump ho		Cast iron			
	0	EN-GJL-250			
		ASTM class 35			
Wear rin	g:	Brass			
Impeller:		Cast iron			
		EN-GJL-200			
		ASTM class 30			
Shaft:		Stainless steel			
		EN 1.4301			
Internal	pump house coating:	AISI 304 CED			
Installati		55 °C			
	m ambient temperature: m operating pressure:	55 °C 16 bar			
	inection standard:	EN 1092-2			
	nlet connection.	EN 1092-2 DN 65			

DN 65

Size of inlet connection:



	Date:	12/08/2021
Description		
Size of outlet connection: Pressure rating for connection: Bearing lubrication: Pump housing with feet: Support block:	DN 50 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: Enclosure class (IEC 34-5): Insulation class (IEC 85):	SIEMENS IE3 3 kW 50 Hz 3 x 220-240D/380-420Y V 10,82-9,79/6,3-5,7 A 730-730 % 0.83 1460 rpm IE3 87,7% 87.7-87.7 % 88.4-88.4 % 88.2-88.2 % 4 IP555 F	
Motor No:	83V05210	
Others: Minimum efficiency index, MEI ≥ Net weight: Gross weight: Shipping volume: Country of origin: Custom tariff no.:	0.70 81 kg 98 kg 0.315 m ³ HU 84137051	





		Date:	12/08/2	JZ I		
Description	Value	H [m]		NB 50-200/219, 3	*400 V, 50Hz	: (
General information:			Pumped liquid	l = Water ature during opera	ation = 20 °C	1
Product name:	NB 50-200/219 AF2ABQQE	18 - 210 m	Density = 998		au011 – 20 C	
Product No:	98086583	219 mr				
EAN number:	5710628781636	16				_
Price:	GBP 1853					
Technical:		14				
Pump speed on which pump data are	1460 mm	12 -				_
based:	1460 rpm	10 -				100
Rated flow:	45.31 m³/h					- 100
Rated head:	14.3 m	8-				- 80
Actual impeller diameter:	219 mm	_				
Nominal impeller diameter:	200	6 -				- 60
Shaft seal arrangement:	Single	_				
Shaft diameter:	24 mm	4-				- 40
Code for shaft seal:	BQQE	2				20
Curve tolerance:	ISO9906:2012 3B2	41				- 20
Pump version:	А					
Bearing design:	Standard	0 1	0 20 30	40 5	i0 Q [m³/h	-
Materials:		– P [kW]				NP [n
Pump housing:	Cast iron					† `
Pump housing:	EN-GJL-250	3.0 -			P1	- 6
Pump housing:	ASTM class 35	2.5 -			P2	_ 5
Wear ring:	Brass	2.0				4
Impeller:	Cast iron	_				
Impeller:	EN-GJL-200	1.5				- 3
Impeller:	ASTM class 30	1.0				-2
Shaft:	Stainless steel	0.5				1
Shaft:	EN 1.4301	0.0				
Shaft:	AISI 304	0.0 -				
Internal pump house coating:	CED					
Material code:	A	273.5	370.5			00
Code for rubber:	E					E
Installation:	L			4 X 019	8	-
Maximum ambient temperature:	55 °C			$((\bigcirc))$		(+)
-	16 bar					Velo ?
Maximum operating pressure: Pipe connection standard:		100		M12 50 265	<u>}</u>	2010 P
-	EN 1092-2 DN 65	-		141 162		000
Size of inlet connection:		8		-+ ⁷⁰ +-		
Size of outlet connection:	DN 50	- <u>* * * * * * * * * * * * * * * * * * *</u>	L		<u>ا</u> لار	
Pressure rating for connection:	PN 16					
Bearing lubrication:	Grease				7	
Pump housing with feet:	Yes	U H	112	تجنا	u	
Support block:	N					
Connect code:	F2					
Liquid:				_		
Pumped liquid:	Water		Ϋ́			
Liquid temperature range:	-25 120 °C					
Selected liquid temperature:	20 °C					
Density:	998.2 kg/m³		<u> </u>			
Electrical data:			HOR			
Motor type:	SIEMENS					
E Efficiency class:	IE3					
Rated power - P2:	3 kW	_		1		
Mains frequency:	50 Hz					
Rated voltage:	3 x 220-240D/380-420Y V					
Rated current:	10,82-9,79/6,3-5,7 A	-	(Y)			
Starting current:	730-730 %					
Cos phi - power factor:	0.83	RELAY L1				
	0.00	L	9			

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		Date:	12/08/2021
Description	Value		
Rated speed:	1460 rpm		
Efficiency:	IE3 87,7%		
Motor efficiency at full load:	87.7-87.7 %		
Motor efficiency at 3/4 load:	88.4-88.4 %		
Motor efficiency at 1/2 load:	88.2-88.2 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protec:	PTC		
Motor No:	83V05210		
Mount. design. acc. IEC 34-7:	IM V1		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	81 kg		
Gross weight:	98 kg		
Shipping volume:	0.315 m³		
Country of origin:	HU		
Custom tariff no.:	84137051		

