



		Date: 15/08/2022					
Qty.	Description						
1	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 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 partic a thin, well-controlled layer on the surface.						
	Controls:						
	Frequency converter:	NONE					
	Pressure sensor:	N					
	Liquid:						
	Pumped liquid:	Water					
	Liquid temperature range:	-25 120 °C					
	Selected liquid temperature: Density:	20 °C 998.2 kg/m³					
	Technical:						
	Pump speed on which pump dat						
	Rated flow:	45.31 m³/h 14.3 m					
	Rated head:						
	Actual impeller diameter: 219 mm						
	Nominal impeller diameter:200Shaft seal arrangement:SingleCode for shaft seal:BQQECurve 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					
		ASTM class 30					
	Internal pump house coating:	CED					
	Shaft:	Stainless steel					

Maximum operating pressure:

Pipe connection standard:

Size of inlet connection:

Installation:

t max amb:

EN 1.4301 AISI 304

55 °C

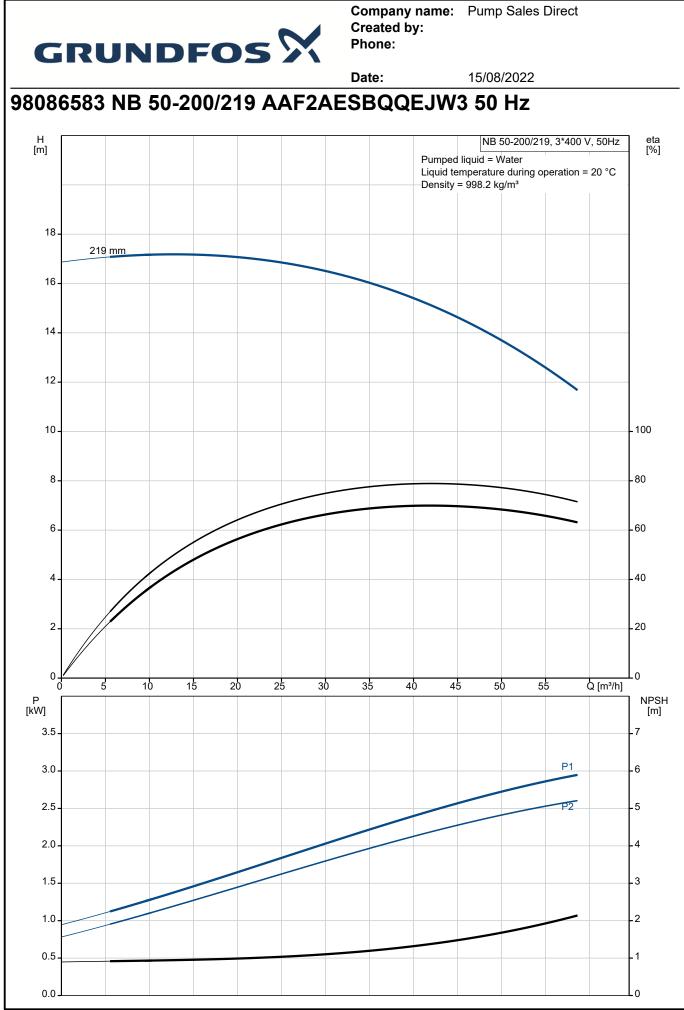
16 bar

DN 65

EN 1092-2



		D		15/08/2022
ty.	Description			
1	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:			
	Motor type:	SIEMENS		
	IE Efficiency class:	IE3		
	Rated power - P2:	3 kW		
	Mains frequency:	50 Hz		
	Rated voltage:	3 x 220-240D/380-420Y	V	
	Rated current:	10.3/5.9 A	-	
	Starting current:	730-730 %		
	Cos phi - power factor:	0.83		
	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 No:	83V05210		
	Bearing insulation type N-end:	Ν		
	Others:			
	Minimum efficiency index, MEI ≥:			
	Net weight:	81 kg		
	Gross weight:	98 kg		
	Shipping volume:	0.315 m³		
	Danish VVS No.:	386062209		
	Country of origin:	HU		
	Custom tariff no.:	84137051		





Description	Value	H [m]	NB 50-200/219, 3*400 V, 50Hz [9 Pumped liquid = Water
General information:			Liquid temperature during operation = 20 °C
Product name:	NB 50-200/219 AAF2AESBQQEJW3		Density = 998.2 kg/m <sup>3</sup>
Product No:	98086583	16	
EAN number:	5710628781636	10 -	
Technical:		14 -	
Pump speed on which pump data a based:	are 1460 rpm	12 -	
Rated flow:	45.31 m³/h	-	
Rated head:	14.3 m	10	- 100
Actual impeller diameter:	219 mm		
Nominal impeller diameter:	200	8-	80
Shaft seal arrangement:	Single	6	60
Shaft diameter:	24 mm		
Code for shaft seal:	BQQE	4	- 40
Curve tolerance:	ISO9906:2012 3B2		
Pump version:	A	2	20
Bearing design:	Standard		
Materials:	~	$0\frac{1}{0}$ 10 2	20 30 40 50 Q [m³/h]
Pump housing:	Cast iron	P [kW]	NF
Pump housing:	EN-GJL-250	[[[] 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Pump housing:	ASTM class 35	3.0	P1 6
Wear ring:	Brass	2.5	5
Impeller:	Cast iron		12
Impeller:	EN-GJL-200	2.0 -	4
Impeller:	ASTM class 30	1.5	3
Internal pump house coating:	CED	1.0	2
Material code:	A	0.5	1
Code for rubber:	E	0.0	0
Shaft:	Stainless steel	0.0 -	
Shaft:	EN 1.4301		
Shaft:	AISI 304	273.5 370.5	
Installation:	A101 304		
t max amb:	55 °C		
Maximum operating pressure:	16 bar		
Pipe connection standard:	EN 1092-2		
Size of inlet connection:	DN 65	100	
Size of outlet connection:	DN 50	-	
Pressure rating for connection:	PN 16	92	
Bearing lubrication:	Grease		
Pump housing with feet:	Yes		33 33 12
Support block (Yes/No):	N		
Connect code:	F2		
Liquid:	12		
Pumped liquid:	Water		
Liquid temperature range: Selected liquid temperature:	-25 120 °C 20 °C	_	Ύ
Density:			
Electrical data:	998.2 kg/m³	₿ <sup>+τ</sup> <b>₿</b> <sup>+τ</sup>	
	SIEMENS		
Motor type:			ж à
IE Efficiency class:	IE3		
Rated power - P2:	3 kW	L1 L2 L3	ÉZ
Mains frequency:	50 Hz		
Rated voltage:	3 x 220-240D/380-420Y V		Mer Ford Mer Ford Mer Ford
Rated current:	10.3/5.9 A		Multi Press
Starting current:	730-730 %		DID TO THE MAN
Cos phi - power factor:	0.83	_   <b>#</b> <u>@@@</u>	CIP2111
Rated speed:	1460 rpm	TO AMPLIFIER RELAY L1 L2 L3	
Efficiency:	IE3 87,7%		

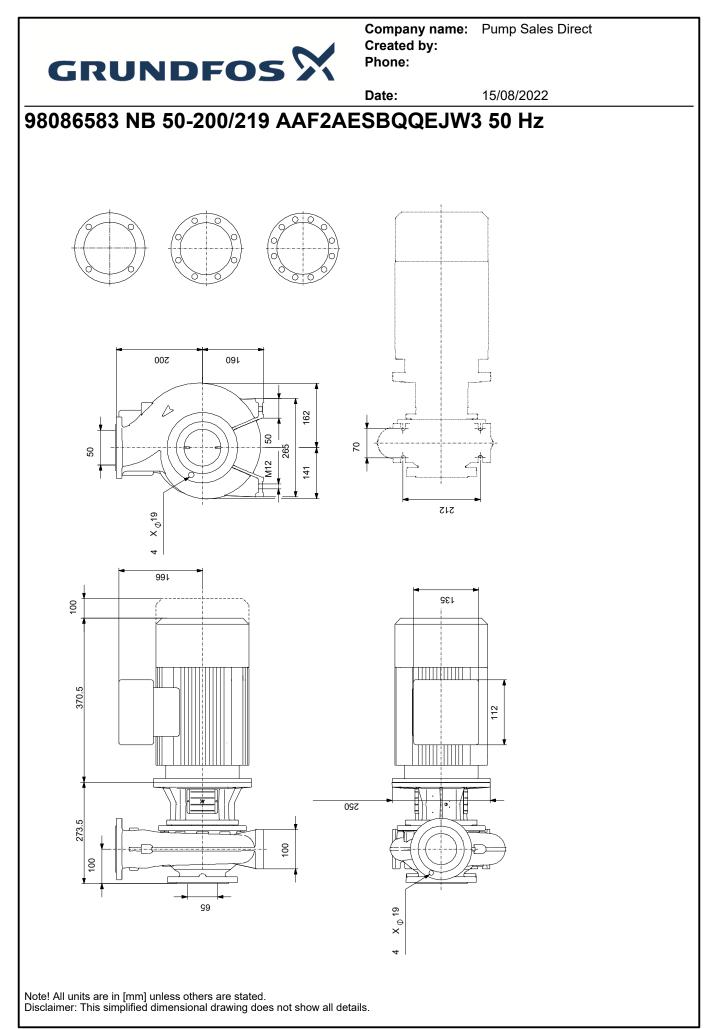
Printed from Grundfos Product Centre [2022.35.005]

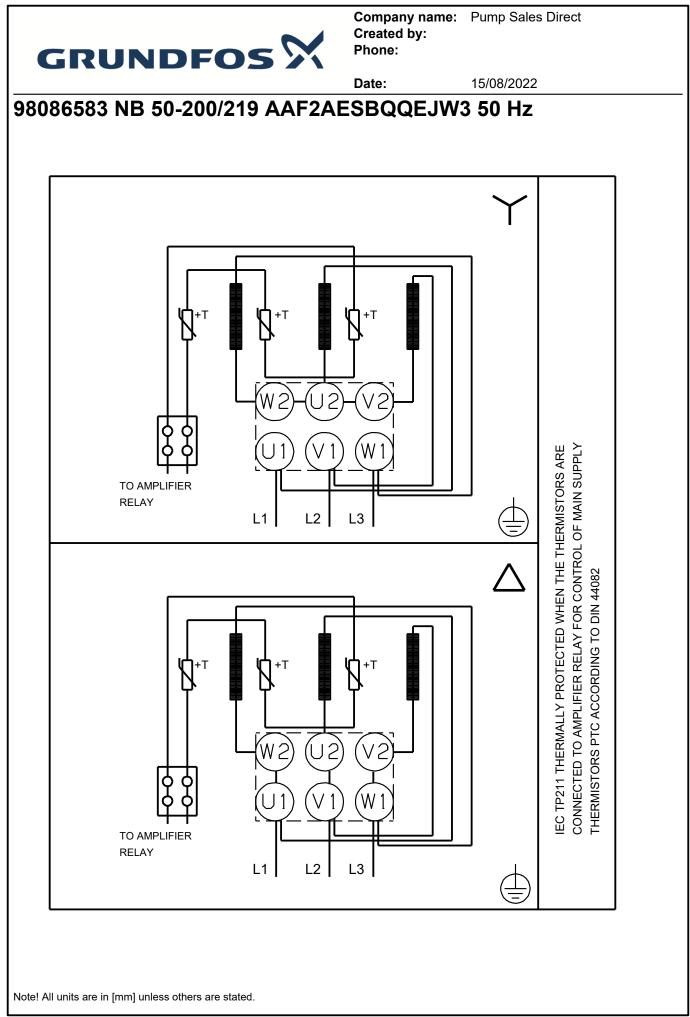


Date:

15/08/2022

Description	Value
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
Built-in motor protection:	PTC
Motor No:	83V05210
Mount. design. acc. IEC 34-7:	IM V1
Bearing insulation type N-end:	Ν
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
Danish VVS No.:	386062209
Country of origin:	HU
Custom tariff no.:	84137051







Date: 15/08/2022						
Order Data:						
Position	Your pos.	Product name	Amount	Product No	Total	
		NB 50-200/219	1	98086583	Price or reques	