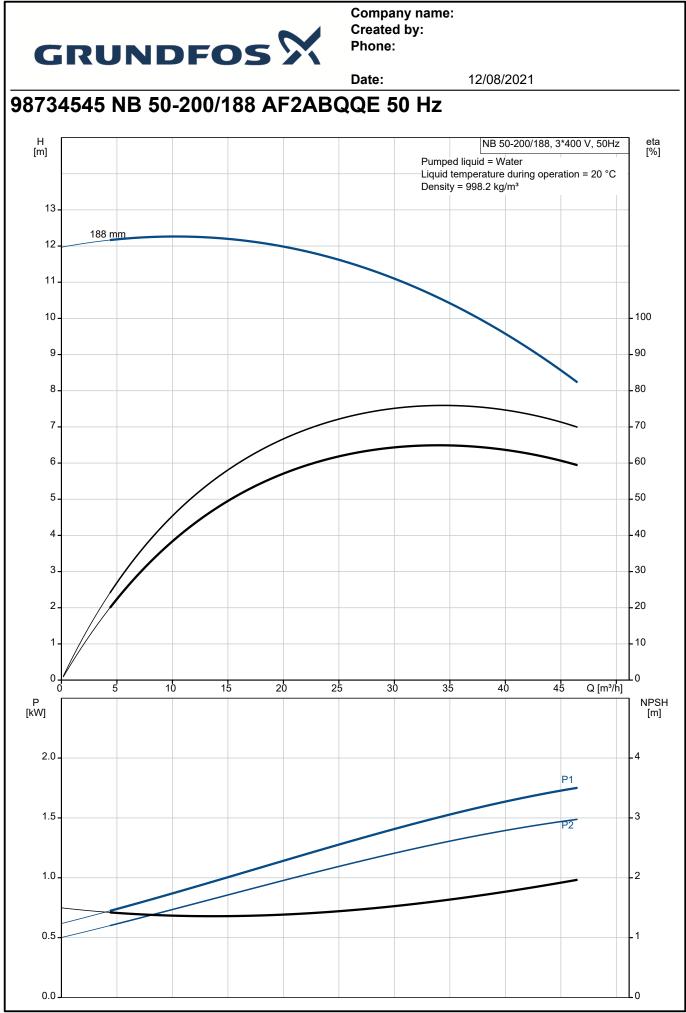


				Date		12/08/2021		
	Description							
	The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.							
The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.								
The motor does not incorporate motor protection and must be connected to a motor-protective circuit breaker whic can be manually reset. The motor-protective circuit breaker must be set according to the rated current of the motor								
	(11/1).	r-protective ci	Cuit bre	eaker mu	si de sei aco	cording to the rated current of the mo		
	(11/1).							
	Grundfos CUE offers a range of v	variable spee	d drive drives	e for adju . Please	find more inf	mp performance to any duty point. formation in Grundfos Product Center		
	Further product details							
	Technical data							
I 1	Controls:							
	Frequency converter:	NONE						
	Pressure sensor:	Ν						
	Liquid:							
	Pumped liquid:	Water						
	Liquid temperature range:	-25 120 °C						
	Selected liquid temperature:	20 °C						
	Density:	998.2 kg/m <sup>3</sup>						
	Technical:							
	Pump speed on which pump data	a are based:	1445	rpm				
	Rated flow:	35.28 m³/h		•				
	Rated head:	10.33 m						
	Actual impeller diameter:	188 mm						
	Nominal impeller diameter:	200						
	Shaft seal arrangement:	Single						
	Code for shaft seal:	BQQE						
	Curve tolerance:	ISO9906:20	2 3R2					
	Bearing design:	Standard	- 552					
	Materials: Pump housing:	Cast iron						
	·r- ··- ·······	EN-GJL-250						
		ASTM class	35					
	Wear ring:	Brass						
	Impeller:	Cast iron						
		EN-GJL-200						
		ASTM class	30					
	Shaft:	Stainless ste						
	ondra.	EN 1.4301						
		AISI 304						
	Internal pump house coating:	CED						
	Installation:							
		55 °C						
	Maximum ambient temperature:	55 °C 16 bar						
	Maximum operating pressure:							
	Pipe connection standard:	EN 1092-2						
	Size of inlet connection:	DN 65						
	Size of outlet connection:	DN 50						
	Pressure rating for connection:	PN 16						



Date: 12/08/2021 Qty. Description Bearing lubrication: Grease Pump housing with feet: Yes Support block: Ν Electrical data: SIEMENS Motor type: IE Efficiency class: IE3 Rated power - P2: 1.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 5,78-5,23/3,31-2,99 A Starting current: 720-720 % Cos phi - power factor: 8.0 Rated speed: 1445 rpm Efficiency: IE3 85,3% Motor efficiency at full load: 85.3-85.3 % Motor efficiency at 3/4 load: 86.0-86.0 % Motor efficiency at 1/2 load: 85.2-85.2 % Number of poles: 4 IP55 Enclosure class (IEC 34-5): F Insulation class (IEC 85): Motor No: 83V02206 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 66 kg Gross weight: 83 kg Shipping volume: 0.315 m<sup>3</sup> Country of origin: ΗU Custom tariff no.: 84137051



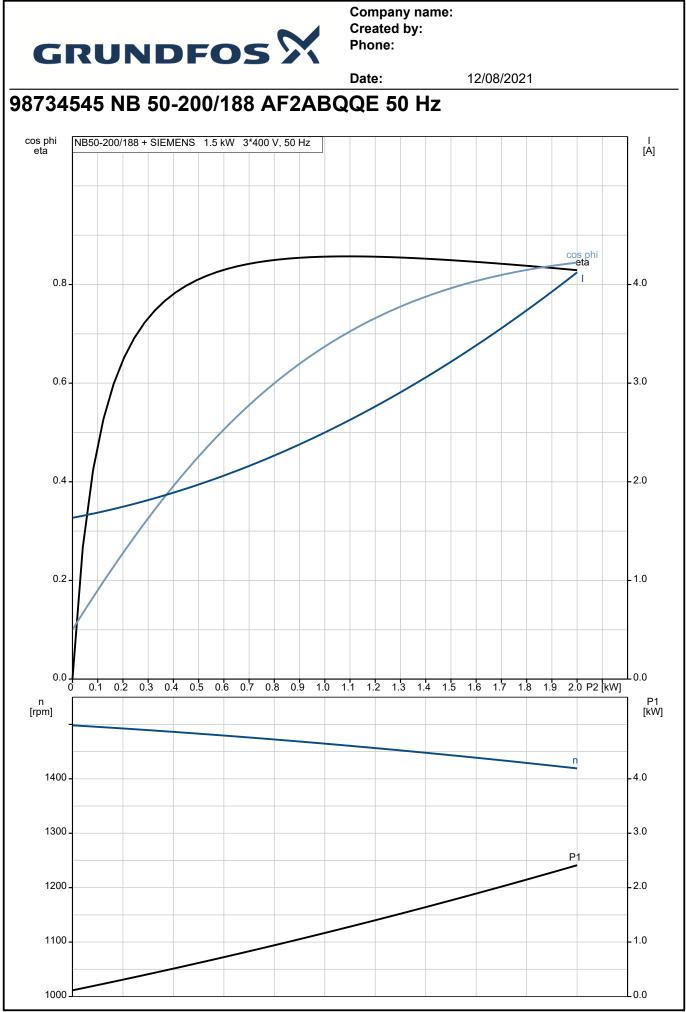


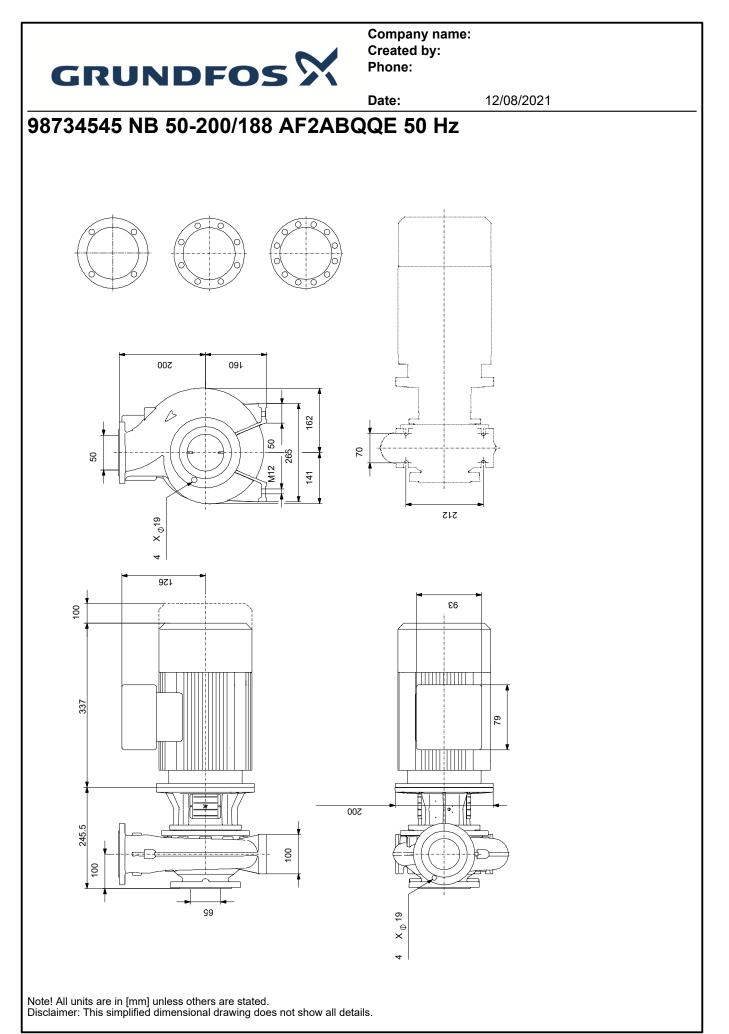
		H [m]	NB 50-	200/188, 3*400 V, 50Hz
Description	Value	[m]	Pumped liquid = Wat	
eneral information:	ND 50 200/400	13	Liquid temperature d	uring operation = 20 °C
roduct name:	NB 50-200/188 AF2ABQQE		B mm	
roduct No:	98734545	-		
AN number:	5712600673311	11		
rice:	GBP 1661	10 -		
echnical:		9		
ump speed on which pump data are	1445 mm	8 -		
ased:	1445 rpm			
ated flow:	35.28 m³/h	7 -		
Rated head:	10.33 m	6 -		
ctual impeller diameter:	188 mm	5		
lominal impeller diameter:	200	4		
Shaft seal arrangement:	Single	-		
Shaft diameter:	24 mm	3-		
Code for shaft seal:	BQQE	2-//		
Curve tolerance:	ISO9906:2012 3B2	1		
Pump version:	A	- <sub>0</sub>		
Bearing design:	Standard	d	10 15 20 25 30	35 40 Q [m³/ł
laterials:		P [kW]		
ump housing:	Cast iron	2.0		
Pump housing:	EN-GJL-250	2.0 -		P1_
ump housing:	ASTM class 35	1.5 -		
Vear ring:	Brass	1.5		P2
mpeller:	Cast iron	1.0		
mpeller:	EN-GJL-200	1.0 -		
npeller:	ASTM class 30	0.5		
Shaft:	Stainless steel	0.0		
haft:	EN 1.4301	0.0		
haft:	AISI 304	<b>.</b>		
nternal pump house coating:	CED		307 100	
Aaterial code:	A	100	337 100	50
Code for rubber:	E	- 15		
nstallation:				
laximum ambient temperature:	55 °C	╶─── <sup>®</sup> ╋┥╲╹╹╏╞		
Aaximum operating pressure:	16 bar	- °Щ4"		
Pipe connection standard:	EN 1092-2	100		
Size of inlet connection:	DN 65			a
ize of outlet connection:	DN 50	-		70
Pressure rating for connection:	PN 16	4_×019		┲╋╎╬┎_ᡗᡗ᠆᠆᠆᠆
Bearing lubrication:	Grease		2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
Pump housing with feet:	Yes			└╩╆╧╉╟═╌╹└╌┈───
Support block:	Ν			
Connect code:	F2			
iquid:				
umped liquid:	Water		LOW VOLTAGE IRECTION OF ROTATION	
iquid temperature range:	-25 120 °C			
elected liquid temperature:	20 °C			
Density:	998.2 kg/m <sup>3</sup>		$(\sqrt{2})$ $(\sqrt{2})$ $(\sqrt{2})$	
Electrical data:	5		6666	
lotor type:	SIEMENS			
Efficiency class:	IE3			
ated power - P2:	1.5 kW		HIGH VOLTAGE	
Alins frequency:	50 Hz		CTION OF ROTATION	
lated voltage:	3 x 220-240D/380-420Y V			
Rated current:	5,78-5,23/3,31-2,99 A			
Starting current:	720-720 %	╴│  뿌 뿌 ╹		

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		Date:	12/08/2021	
Description	Value			
Rated speed:	1445 rpm			
Efficiency:	IE3 85,3%			
Motor efficiency at full load:	85.3-85.3 %			
Motor efficiency at 3/4 load:	86.0-86.0 %			
Motor efficiency at 1/2 load:	85.2-85.2 %			
Number of poles:	4			
Enclosure class (IEC 34-5):	IP55			
Insulation class (IEC 85):	F			
Motor protec:	NONE			
Motor No:	83V02206			
Mount. design. acc. IEC 34-7:	IM V1			
Controls:				
Frequency converter:	NONE			
Pressure sensor:	Ν			
Others:				
Minimum efficiency index, MEI ≥:	0.70			
Net weight:	66 kg			
Gross weight:	83 kg			
Shipping volume:	0.315 m³			
Country of origin:	HU			
Custom tariff no.:	84137051			







Date:

12/08/2021

98734545 NB 50-200/188 AF2ABQQE 50 Hz

