



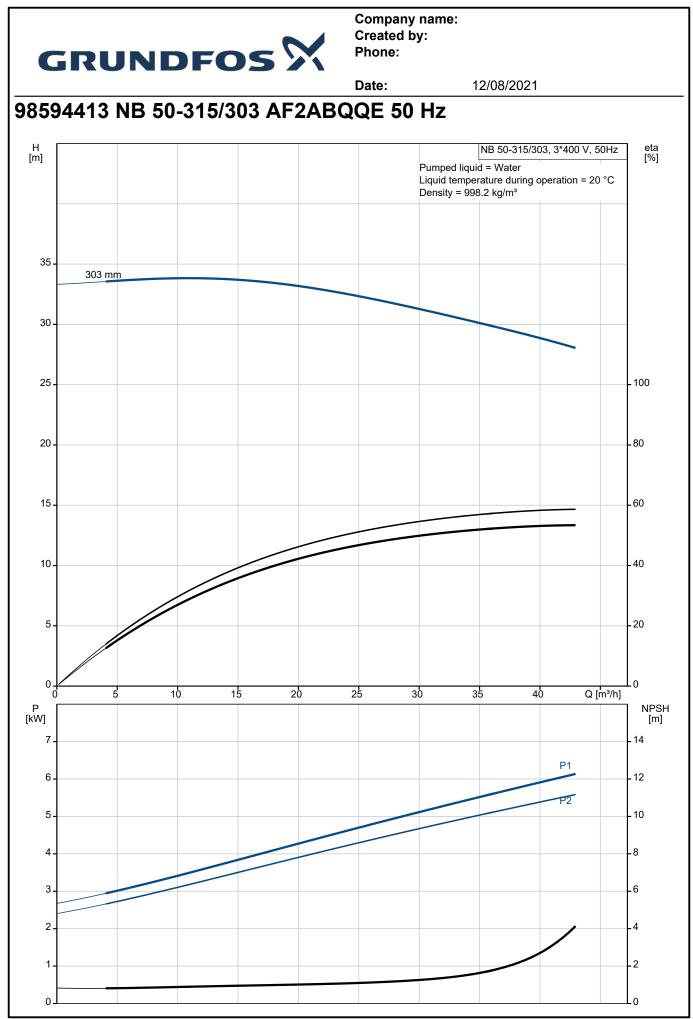
GRUNDF	05 X	Filone.	
		Date:	12/08/2021
Description			
The motor is a totally enclosed, tolerances comply with IEC 600	fan-cooled motor w	ith principal dimens	ions to IEC and DIN standards. Electrical
The motor efficiency is classifie		nce with IEC 60034	-30-1.
	C sensors) in the wir	ndings in accordanc	e with DIN 44081/DIN 44082. The protection
Thermal switches must be conr	nected to an externa	l control circuit in a	way which ensures that the automatic reset tective circuit breaker according to local
regulations.			
The motor can be connected to Grundfos CUE offers a range o	a variable speed dr f variable speed driv	ive for adjustment c es. Please find mor	of pump performance to any duty point. e information in Grundfos Product Center.
Further product details			
Technical data			
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	-25 120 °C		
Selected liquid temperature: Density:	20 °C 998.2 kg/m³		
Density.	990.2 kg/m		
Technical:			
Pump speed on which pump da		75 rpm	
Rated flow:	42.93 m ³ /h		
Rated head:	28.04 m		
Actual impeller diameter: Nominal impeller diameter:	303 mm 315		
Shaft seal arrangement:	Single		
Code for shaft seal:	BQQE		
Curve tolerance:	ISO9906:2012 3E	32	
Bearing design:	Standard	5L	
Materials:			
Pump housing:	Cast iron		
	EN-GJL-250		
	ASTM class 35		
Wear ring:	Brass		
Impeller:	Cast iron		
	EN-GJL-200		
Oh a ffe	ASTM class 30		
Shaft:	Stainless steel		
	EN 1.4301 AISI 304		
Internal pump house coating:	CED		
Installation			
Installation: Maximum ambient temperature	: 55 °C		
Maximum amplent temperature Maximum operating pressure:	. 55 C 16 bar		
Pipe connection standard:	EN 1092-2		
Size of inlet connection:	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 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 5.5 kW 50 Hz 3 x 380-420D/660-725Y V 11,13-10,1/6,4-5,8 A 720-720 % 0.84 1475 rpm IE3 89,6% 89.6-89.6 % 90.1-90.1 % 89.5-89.5 % 4 IP55 F	
Motor No:	83V15217	
Others: Minimum efficiency index, MEI ≥ Net weight: Gross weight: Shipping volume: Country of origin: Custom tariff no.:	0.70 149 kg 171 kg 0.509 m³ HU 84137051	





		Date:	12/08/2021	
Description	Value	H [m]	NB 50-315/303, 3*400 V, 50Hz	eta [%]
General information:	Fulue		Pumped liquid = Water	[]
Product name:	NB 50-315/303 AF2ABQQE	-	Liquid temperature during operation = 20 °C Density = 998.2 kg/m³	
Product No:	98594413	35 - 303 r	nm	
EAN number:	5711497870513			
Price:	GBP 3238	30 -		
Technical:	001 0200	_		
Pump speed on which pump data are based:	1475 rpm	25 -	1	00
Rated flow:	42.93 m³/h	20		80
Rated head:	28.04 m	_		
Actual impeller diameter:	303 mm	15	6	60
Nominal impeller diameter:	315			
Shaft seal arrangement:	Single	10 -	4	10
Shaft diameter:	32 mm			
Code for shaft seal:	BQQE	5 -	22	20
Curve tolerance:	ISO9906:2012 3B2			
Pump version:	A			
Bearing design:	Standard		10 15 20 25 30 35 Q [m³/h]	,
Materials:		P [kW]		NPSH
Pump housing:	Cast iron			[m]
Pump housing:	EN-GJL-250	6 -	P1 1.	2
Pump housing:	ASTM class 35	5 -	P2 1	0
Wear ring:	Brass			
Impeller:	Cast iron	4 -	8	
Impeller:	EN-GJL-200	3_	6	6
Impeller:	ASTM class 30	2	4	Ļ
Shaft:	Stainless steel	1		2
Shaft:	EN 1.4301			
Shaft:	AISI 304)
Internal pump house coating:	CED			
Material code:	A	368	435 1 ⁴⁰	8
Code for rubber:	E			D
Installation:	E	h.ľľ⊫		to.
Maximum ambient temperature:	55 °C	s		
	16 bar			2
Maximum operating pressure: Pipe connection standard:	EN 1092-2	125	M12 65 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	000
Size of inlet connection:	DN 65		203 214	00
Size of outlet connection:	DN 50		 	
Pressure rating for connection:	PN 16			
Bearing lubrication:	Grease			
Pump housing with feet:	Yes			
	N	Ψ	T + 130 +	
Support block: Connect code:				
Liquid:	F2			
	Mator			
Pumped liquid:	Water	_	Υ	
Liquid temperature range:	-25 120 °C 20 °C			
Selected liquid temperature: Density:	998.2 kg/m ³	₿ ^{∗⊤}	₿ ^{.,} 1 ₿ ^{.,} 1	
Electrical data:	330.2 kg/11	_ [
	SIEMENS			
Motor type:	SIEMENS IE3	TO AMPLIFIER RELAY		
IE Efficiency class:			E 2	
Rated power - P2:	5.5 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-420D/660-725Y V			
Rated current:	11,13-10,1/6,4-5,8 A	60		
Starting current:	720-720 %	TO AMPLIFIER RELAY		
Cos phi - power factor:	0.84			

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		Date:	12/08/2021
Description	Value		
Rated speed:	1475 rpm		
Efficiency:	IE3 89,6%		
Motor efficiency at full load:	89.6-89.6 %		
Motor efficiency at 3/4 load:	90.1-90.1 %		
Motor efficiency at 1/2 load:	89.5-89.5 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protec:	PTC		
Motor No:	83V15217		
Mount. design. acc. IEC 34-7:	IM V1		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	149 kg		
Gross weight:	171 kg		
Shipping volume:	0.509 m³		
Country of origin:	HU		
Custom tariff no.:	84137051		

