

Motor



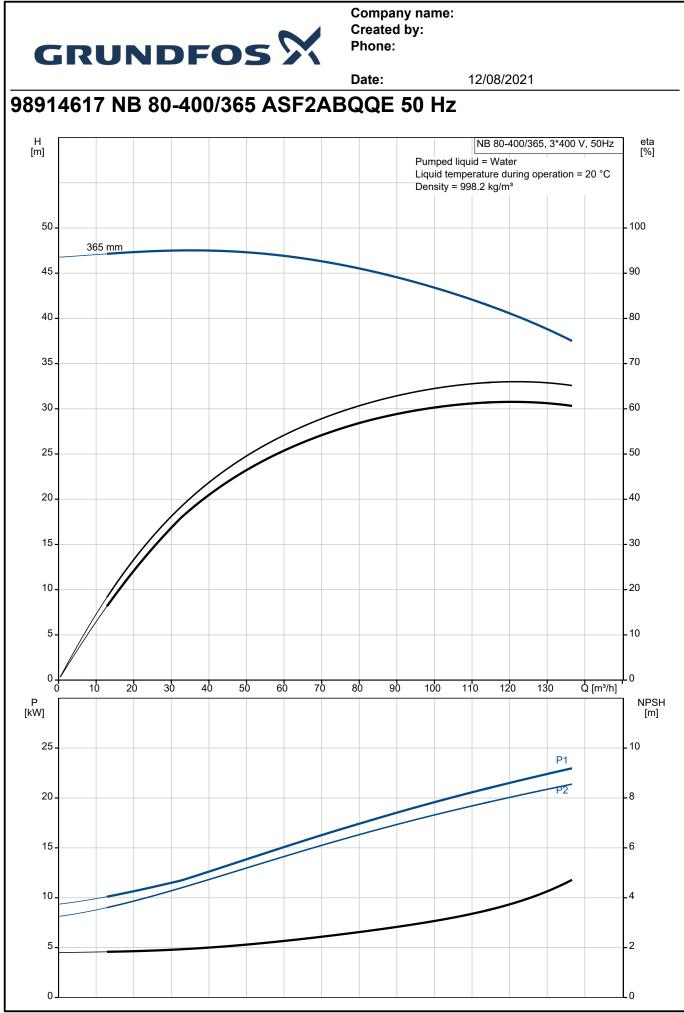
GRUNDF	05 >	Flione.	
		Date:	12/08/2021
Description			
The motor is a totally enclose tolerances comply with IEC 6	d, fan-cooled motor w	/ith principal dimens	ions to IEC and DIN standards. Electrical
The motor efficiency is classif		nce with IEC 60034	-30-1.
-	TC sensors) in the wi	ndings in accordanc	e with DIN 44081/DIN 44082. The protection
Thermal switches must be co	nnected to an externa	al control circuit in a	way which ensures that the automatic rese
cannot cause accidents. The regulations.	motors must be conn	ected to a motor-pro	otective circuit breaker according to local
The motor can be connected Grundfos CUE offers a range	to a variable speed d of variable speed driv	rive for adjustment c ves. Please find mor	of pump performance to any duty point. re 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:	20 °C		
Density:	998.2 kg/m³		
Technical:			
Pump speed on which pump		70 rpm	
Rated flow:	124.5 m³/h		
Rated head:	39.67 m		
Actual impeller diameter:	365 mm		
Nominal impeller diameter:	400		
Shaft seal arrangement: Code for shaft seal:	Single BQQE		
Code for shall seal. Curve tolerance:	ISO9906:2012 3	P	
Bearing design:	Standard	D	
Materials:			
Pump housing:	Cast iron		
	EN-GJL-250		
	ASTM class 35		
Wear ring:	Brass		
Impeller:	Cast iron		
	EN-GJL-200		
	ASTM class 30		
Shaft:	Stainless steel		
	EN 1.4301		
Internal pump house coating:	AISI 304 CED		
Installation: Maximum ambient temperatu	re: 55 °C		
Maximum amplent temperatu Maximum operating pressure			
Pipe connection standard:	EN 1092-2		
Size of inlet connection:	DN 1002-2		

DN 100

Size of inlet connection:



	Date:	12/08/2021	
Description			
Size of outlet connection: Pressure rating for connection: Bearing lubrication:	DN 80 PN 16 Grease		
Pump housing with feet: Support block:	Yes Y		
Electrical data:			
Motor type:	SIEMENS		
IE Efficiency class:	IE3		
Rated power - P2:	22 kW		
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-420D/660-725Y V		
Rated current:	42,5-40,5/24,6-23,6 A		
Starting current:	680-680 %		
Cos phi - power factor:	0.8		
Rated speed:	1470 rpm		
Efficiency:	IE3 93,0%		
Motor efficiency at full load:	93.0-93.0 %		
Motor efficiency at 3/4 load: Motor efficiency at 1/2 load:	93.7-93.7 % 93.7-93.7 %		
Number of poles:	95.7-95.7 % 4		
Enclosure class (IEC 34-5):	4 IP55		
Insulation class (IEC 85):	F		
Motor No:	99032196		
	33032130		
Others:			
Minimum efficiency index, MEI ≥	: 0.44		
Net weight:	362 kg		
Gross weight:	395 kg		
Shipping volume:	0.951 m ³		
Country of origin:	HU		
Custom tariff no.:	84137051		





		Date:	12/08/2021
Description	Value	H [m]	NB 80-400/365, 3*400 V, 50Hz
General information:			Pumped liquid = Water Liquid temperature during operation = 20 °C
Product name:	NB 80-400/365 ASF2ABQQE	50 - 365 m	Density = 998.2 kg/m ³
Product No:	98914617	45	
EAN number:	5712603497686		
Price:	GBP 8012	40 -	
Fechnical:	GBF 0012	_	
		35 -	
Pump speed on which pump data are pased:	1470 rpm	30 -	
Rated flow:	124.5 m³/h	25 -	
Rated head:	39.67 m	20	
Actual impeller diameter:	365 mm	20 -	
Nominal impeller diameter:	400	-	
Shaft seal arrangement:	Single	15 -	
Shaft diameter:	42 mm	10	
Code for shaft seal:	BQQE	- '~] 🥒	
Curve tolerance:	ISO9906:2012 3B	5-	
Pump version:	AS	- /	
		0 <u>/</u> 0 20	40 60 80 100 120 Q [m³/h]
Bearing design:	Standard	- P	
Materials:		[kW]	
Pump housing:	Cast iron	25 -	P1
Pump housing:	EN-GJL-250	20 -	
Pump housing:	ASTM class 35	20-	
Near ring:	Brass	15 _	
mpeller:	Cast iron	-	
mpeller:	EN-GJL-200	10 -	
mpeller:	ASTM class 30	-	
Shaft:	Stainless steel	5	
Shaft:	EN 1.4301	0	
Shaft:	AISI 304	•	
Internal pump house coating:	CED		
Material code:	A		
Code for rubber:	E	125	
	L.		
	55.00	- ↓ h≹Ĭ	
Maximum ambient temperature:	55 °C	₽ +	
Maximum operating pressure:	16 bar	160	
Pipe connection standard:	EN 1092-2		
Size of inlet connection:	DN 100		9 96 130
Size of outlet connection:	DN 80	8 × 0 19 ₽1ΪΤ	
Pressure rating for connection:	PN 16		
Bearing lubrication:	Grease		
Pump housing with feet:	Yes	U U	121
Support block:	Y		
Connect code:	F2		
Liquid:	· -		
Pumped liquid:	Water		
	-25 120 °C	-	<u> </u>
Liquid temperature range:			
Selected liquid temperature:	20 °C	- ₿⁺⁺ ₿.	·T \$\$+T
Density:	998.2 kg/m³		
Electrical data:			
Motor type:	SIEMENS	TO AMPLIFIER	
E Efficiency class:	IE3	NELAY L1	
Rated power - P2:	22 kW	-	
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-420D/660-725Y V		T T T T T T T T T T T T T T T T T T T
Rated current:	42,5-40,5/24,6-23,6 A		
	,,	U 55 [Ú	ບັ(v ບັ (w ປີ ຊິຊິຊິ]
Starting current:	680-680 %	TO AMPLIFIER RELAY	

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Description	Value			
Rated speed:	1470 rpm			
Efficiency:	IE3 93,0%			
Motor efficiency at full load:	93.0-93.0 %			
Motor efficiency at 3/4 load:	93.7-93.7 %			
Motor efficiency at 1/2 load:	93.7-93.7 %			
Number of poles:	4			
Enclosure class (IEC 34-5):	IP55			
Insulation class (IEC 85):	F			
Motor protec:	PTC			
Motor No:	99032196			
Mount. design. acc. IEC 34-7:	IM B35			
Controls:				
Frequency converter:	NONE			
Pressure sensor:	Ν			
Others:				
Minimum efficiency index, MEI ≥:	0.44			
Net weight:	362 kg			
Gross weight:	395 kg			
Shipping volume:	0.951 m³			
Country of origin:	HU			
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