



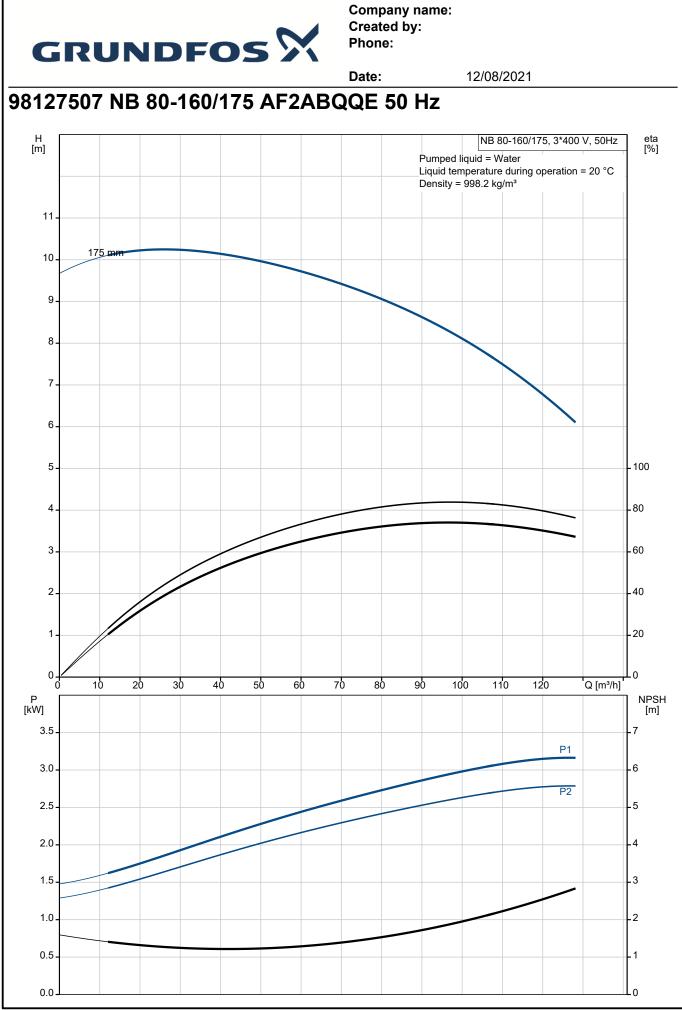
GRUNDF	os X	Phone:		
		Date:	12/08/2021	
Description				
The motor is a totally enclosed, tolerances comply with IEC 600	fan-cooled motor w 34	ith principal dimens	ions to IEC and DIN standards. Electrica	al
The motor efficiency is classified The motor has thermistors (PTC	d as IE3 in accorda sensors) in the wi	ndings in accordanc	e with DIN 44081/DIN 44082. The prote	ection
reacts to both slow- and quick-ri	0	0	ad and stalled conditions. way which ensures that the automatic re	+
			tective circuit breaker according to local	
The motor can be connected to Grundfos CUE offers a range of	a variable speed d variable speed driv	rive for adjustment o ves. Please find mo	f pump performance to any duty point. e information in Grundfos Product Cento	er.
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 dat		60 rpm		
Rated flow:	101.7 m³/h			
Rated head:	8.009 m			
Actual impeller diameter:	175 mm			
Nominal impeller diameter:	160			
Shaft seal arrangement:	Single			
Code for shaft seal:	BQQE			
Curve tolerance:	ISO9906:2012 3	B2		
Bearing design:	Standard			
Materials:				
Pump housing:	Cast iron EN-GJL-250			
	ASTM class 35			
Wear ring:	Brass Coot iron			
Impeller:	Cast iron EN-GJL-200			
Oh - ft	ASTM class 30			
Shaft:	Stainless steel			
	EN 1.4301			
Internal pump house coating:	AISI 304 CED			
Installation:				
	55 °C			
Maximum ambient temperature:				
Maximum operating pressure: Pipe connection standard:	16 bar EN 1092-2			
Size of inlet connection:	EN 1092-2 DN 100			

DN 100

Size of inlet connection:



	Date:	12/08/2021
Description		
Size of outlet connection: Pressure rating for connection: Bearing lubrication: Pump housing with feet:	DN 80 PN 16 Grease Yes	
Support block:	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:	10,82-9,79/6,3-5,7 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	
Others:		
Minimum efficiency index, MEI ≥	: 0.70	
Net weight:	75 kg	
Gross weight:	92 kg	
Shipping volume:	0.315 m <sup>3</sup>	
Country of origin:	HU	
Custom tariff no.:	84137051	



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		Date:	12/08/2021
Description	Value	H [m]	NB 80-160/175, 3*400 V, 50Hz [%
General information:	1440		Pumped liquid = Water
Product name:	NB 80-160/175	11 -	Liquid temperature during operation = 20 °C Density = 998.2 kg/m <sup>3</sup>
	AF2ABQQE	10 175 mm	
Product No:	98127507	_	
EAN number:	5711490013047	9 -	
Price:	GBP 2028	8 -	
Technical:			
Pump speed on which pump data are based:	1460 rpm	7 <b>-</b>	
Rated flow:	101.7 m³/h	0	
Rated head:	8.009 m	5	<b>1</b> 00
Actual impeller diameter:	175 mm	4 _	80
Nominal impeller diameter:	160		
Shaft seal arrangement:	Single	3 -	60
Shaft diameter:	24 mm	2	40
Code for shaft seal:	BQQE		
Curve tolerance:	ISO9906:2012 3B2	1-	- 20
Pump version:	A	0	
Bearing design:	Standard	0 20 P	40 60 80 100 Q [m³/h]
Materials:		[kW]	[n
Pump housing:	Cast iron		P1
Pump housing:	EN-GJL-250	3.0 -	P2 6
Pump housing:	ASTM class 35	2.5 -	P2 5
Wear ring:	Brass	2.0	4
Impeller:	Cast iron	1.5	3
Impeller:	EN-GJL-200	1.0	2
Impeller:	ASTM class 30		
Shaft:	Stainless steel	0.5 -	1
Shaft:	EN 1.4301	0.0	0
Shaft:	AISI 304		
Internal pump house coating:	CED	299	370.5 140
Material code:	A		
Code for rubber:	E		
Installation:		₽┞┦_₽₽₽₽	
Maximum ambient temperature:	55 °C		
Maximum operating pressure:	16 bar		
Pipe connection standard:	EN 1092-2	-+	
Size of inlet connection:	DN 100	280	- 215 ×
Size of outlet connection:	DN 80	<u>∗ו19</u> _5°56 1	
Pressure rating for connection:	PN 16		
Bearing lubrication:	Grease		
Pump housing with feet:	Yes		
Support block:	N		
Connect code:	F2		
Liquid:			
Pumped liquid:	Water	_	Y
Liquid temperature range:	-25 120 °C		
Selected liquid temperature:	20 °C	₿ <sup>+⊤</sup> ₿ <sup>+⊤</sup>	Ŕ <sup>.,</sup>
Density:	998.2 kg/m³		
Electrical data:			(V) (W)
Motor type:	SIEMENS	TO AMPLIFIER	
IE Efficiency class:	IE3	L1	
Rated power - P2:	3 kW		
Mains frequency:	50 Hz		
Rated voltage:	3 x 220-240D/380-420Y V		
Rated current:	10,82-9,79/6,3-5,7 A		
Starting current:	730-730 %		
Cos phi - power factor:	0.83	- u	

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Efficiency:	IE3 87,7%			
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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:	75 kg			
Gross weight:	92 kg			
Shipping volume:	0.315 m³			
Country of origin:	HU			
Custom tariff no.:	84137051			

