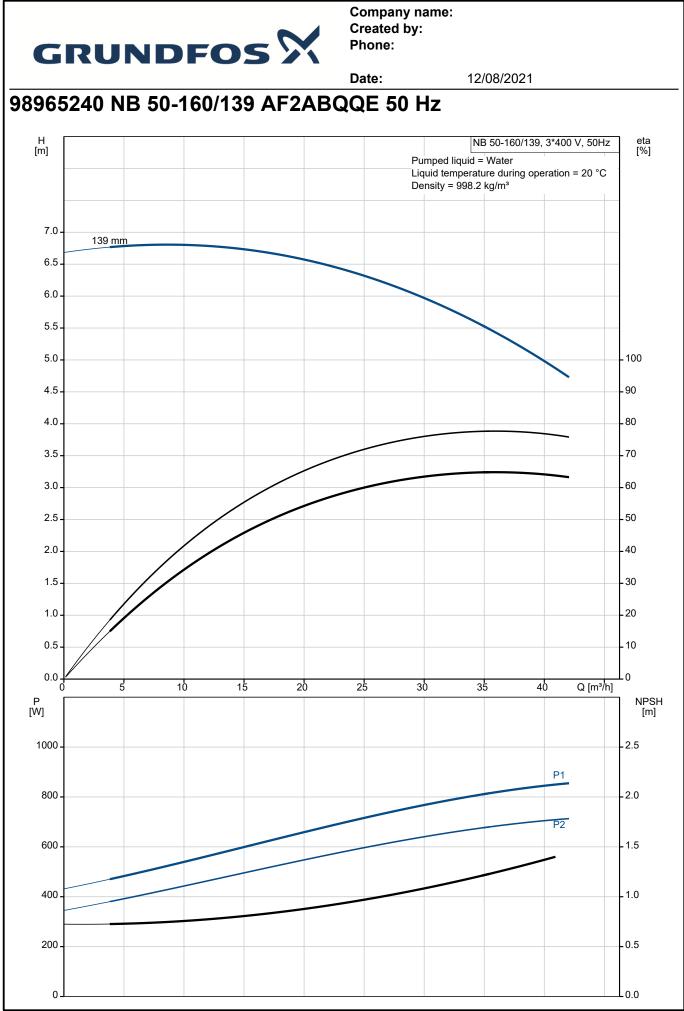
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 The pump housing has both a priming and a drain hole closed by plugs. The impeller is a closed impeller with double-curved blades with smooth surfaces. The impeller is statically balanced according to ISO 1940-1 class G6.3 and hydraulically balanced to compensate for axial thrust. Wear rings used in pump housing and for impeller are made of bronze/brass. Motor stool and pump cover are made of cast iron (EN-GJL-250). Coupling guards are fitted to the motor stool. The pump cover is provided with a manual air vent screw for venting of the pump housing and the shaft seal chamber. The pump is fitted with an unbalanced rubber bellows seal with torque transmission across the spring and around the bellows. Due to the bellows, the seal does not wear the shaft, and the axial movement is not prevented by deposits on the shaft. Primary seal: Rotating seal ring material: silicon carbide (SiC) Stationary seat material: silicon carbide (SiC) This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles. Secondary seal material: EPDM (ethylene-propylene rubber) EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils. The pump housing has feet. 	Duran		
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The pump housing has feet.		,	
		s not suitable for	mineral olis.

	GRUNDFO		4 Croat	eany name: ed by: e:	
	GRONDF		Date:		12/08/2021
ty.	Description				
	tolerances comply with IEC 6003 The motor efficiency is classified The motor does not incorporate r	4. as IE3 in acco notor protectio	rdance with IEC n and must be c	60034-30-1. onnected to a	IEC and DIN standards. Electrical motor-protective circuit breaker which ding to the rated current of the motor
	Further product details				
	Technical data				
	Controls:				
	Frequency converter:	NONE			
	Pressure sensor:	Ν			
	Liquid:	10/			
	Pumped liquid: Liquid temperature range:	Water -25 120 °C			
	Selected liquid temperature:	-25 120 C			
	Density:	20 C 998.2 kg/m ³			
	Density.	990.2 kg/m			
	Technical: Pump speed on which pump data Rated flow:	a are based: 35.8 m³/h	1450 rpm		
	Rated head:	5.4 m			
	Actual impeller diameter:	139 mm			
	Nominal impeller diameter:	160			
	Shaft seal arrangement:	Single			
	Code for shaft seal: Curve tolerance:	BQQE ISO9906:201	0 202		
	Bearing design:	Standard	2 302		
		otandara			
	Materials:				
	Pump housing:	Cast iron			
		EN-GJL-250	_		
		ASTM class 3	35		
	Wear ring:	Brass			
	Impeller:	Cast iron EN-GJL-200			
		ASTM class 3	80		
	Shaft:	Stainless stee			
		EN 1.4301			
		AISI 304			
	Internal pump house coating:	CED			
	Installation:	55 °C			
	Maximum ambient temperature: Maximum operating pressure:	55 C 16 bar			
	Pipe connection standard:	EN 1092-2			
	Size of inlet connection:	DN 65			
	Size of outlet connection:	DN 50			
	Pressure rating for connection:	PN 16			
	Bearing lubrication:	Grease			
	Pump housing with feet:	Yes			



			12/08/2021	
 Description				
Support block:	Ν			
Electrical data:				
Motor type:	SIEMENS			
IE Efficiency class:	IE3			
Rated power - P2:	0.75 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 220-240D/380)-420Y V		
Rated current:	3,1-2,9/1,79-1,66			
Starting current:	710-710 %			
Cos phi - power factor:	0.75			
Rated speed:	1450 rpm			
Efficiency:	IE3 82,5%			
Motor efficiency at full load:	82.5-82.5 %			
Motor efficiency at 3/4 load:	82.3-82.3 %			
Motor efficiency at 1/2 load:	79.9-79.9 %			
Number of poles:	4			
Enclosure class (IEC 34-5):	IP55			
Insulation class (IEC 85):	F			
Motor No:	83V02204			
Others:	0.70			
Minimum efficiency index, MEI ≥: Net weight:				
Gross weight:	43 kg 53 kg			
Shipping volume:	0.178 m ³			
Custom tariff no.:	84137051			
Country of origin: Custom tariff no.:	HU 84137051			



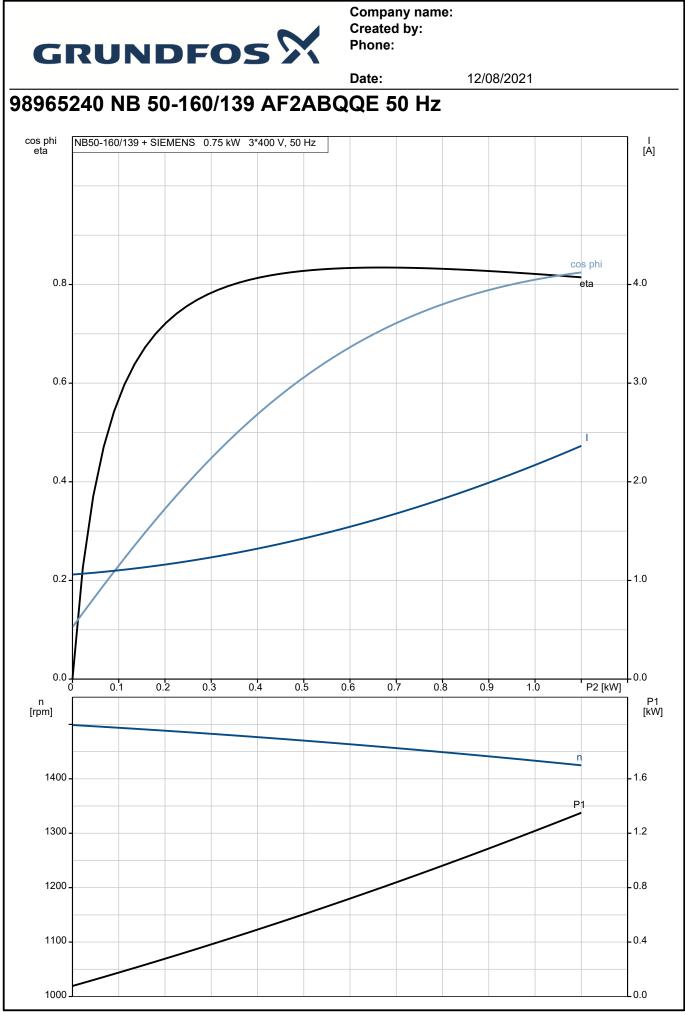


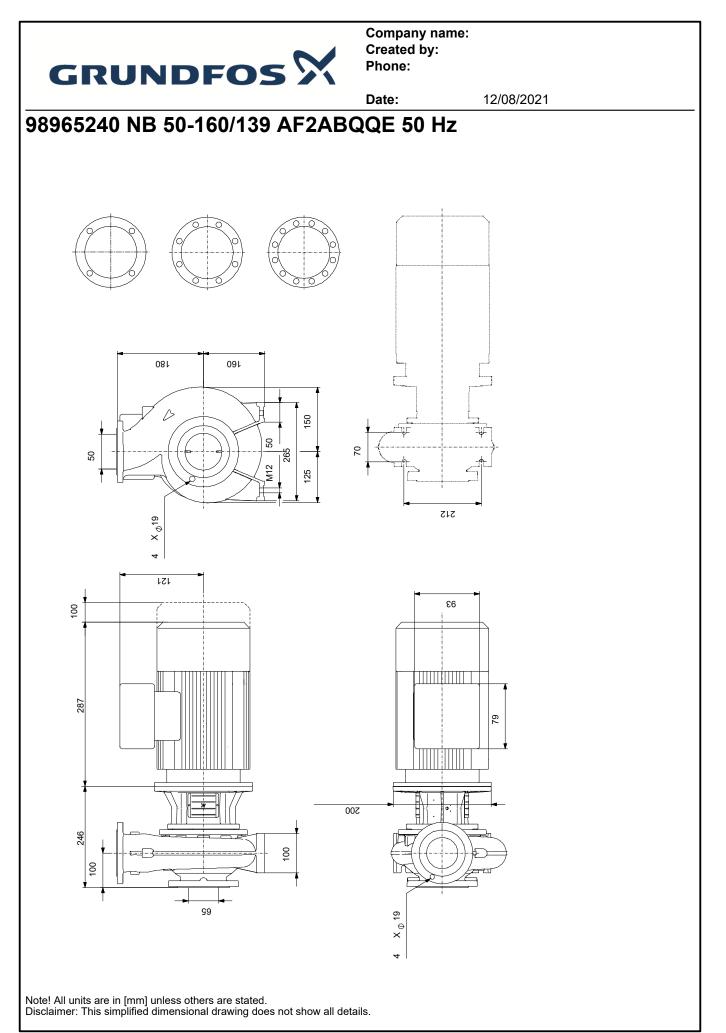
Description	Value	H [m]	NB 50-160/139, 3*400 V, 50Hz	eta [%]
General information:		-	Pumped liquid = Water Liquid temperature during operation = 20 °C	
Product name:	NB 50-160/139 AF2ABQQE	7.0 - 139 m	Density = 998.2 kg/m ³	
Product No:	98965240	6.5		
EAN number:	5712604365557	6.0 -		
Price:	GBP 1494	5.5 -		
Technical:		5.0		_ 100
Pump speed on which pump data are based:	1450 rpm	4.5 -		- 90
Rated flow:	35.8 m³/h	4.0		- 80
Rated head:	5.4 m	3.5 -		- 70
Actual impeller diameter:	139 mm	3.0		- 60
Nominal impeller diameter:	160	2.5		- 50
Shaft seal arrangement:	Single	2.0 -		- 40
Shaft diameter:	24 mm	1.5		- 30
Code for shaft seal:	BQQE	1.0		20
Curve tolerance:	ISO9906:2012 3B2	- //		
Pump version:	A	0.5		- 10
Bearing design:	Standard	0.0	10 15 20 25 30 35 Q [m³/h]	Lo
Materials:	Standard	P		NPSH
Pump housing:	Cast iron	[W] 1000 -		[m] - 2.5
Pump housing:	EN-GJL-250		P1	
Pump housing:	ASTM class 35	800 -		- 2.0
Wear ring:	Brass		P2	
Impeller:	Cast iron	600 -		- 1.5
Impeller:	EN-GJL-200	400		- 1.0
Impeller:	ASTM class 30			
Shaft:	Stainless steel	200 -		- 0.5
Shaft:	EN 1.4301			0.0
Shaft:	AISI 304	0		L 0.0
Internal pump house coating:	CED			
Material code:		100	287 100 50	20
	A			
Code for rubber: Installation:	C			A DA
Maximum ambient temperature:	55 °C	₂ ₽		
Maximum operating pressure:	16 bar			
Pipe connection standard:	EN 1092-2	100		2000
Size of inlet connection:	DN 65	-	125 150	200
Size of outlet connection:	DN 65 DN 50	58	-++ ⁷⁰ / 1 -	
Pressure rating for connection: Bearing lubrication:	PN 16 Grease			
Pump housing with feet:	Yes			
Support block:	N		- 79	
Connect code:	F2			
Liquid:	ΓZ			
Pumped liquid:	Water		LOW VOLTAGE	
Liquid temperature range:	-25 120 °C		TION OF ROTATION	
Selected liquid temperature:	-25 120 C 20 °C			
Density:	998.2 kg/m ³			
Electrical data:	990.∠ kg/III-			
	SIEMENS			
Motor type:				
IE Efficiency class:	IE3			
Rated power - P2:	0.75 kW		N OF ROTATION	
Mains frequency:	50 Hz			
Rated voltage:	3 x 220-240D/380-420Y V			
Rated current:	3,1-2,9/1,79-1,66 A			
Starting current:	710-710 %	▕▏▕▋፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟		
Cos phi - power factor:	0.75			
	0.10	1 '		

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		Date:	12/08/2021
Description	Value		
Rated speed:	1450 rpm		
Efficiency:	IE3 82,5%		
Motor efficiency at full load:	82.5-82.5 %		
Motor efficiency at 3/4 load:	82.3-82.3 %		
Motor efficiency at 1/2 load:	79.9-79.9 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protec:	NONE		
Motor No:	83V02204		
Mount. design. acc. IEC 34-7:	IM V1		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	43 kg		
Gross weight:	53 kg		
Shipping volume:	0.178 m³		
Country of origin:	HU		
Custom tariff no.:	84137051		







Date:

12/08/2021

98965240 NB 50-160/139 AF2ABQQE 50 Hz

