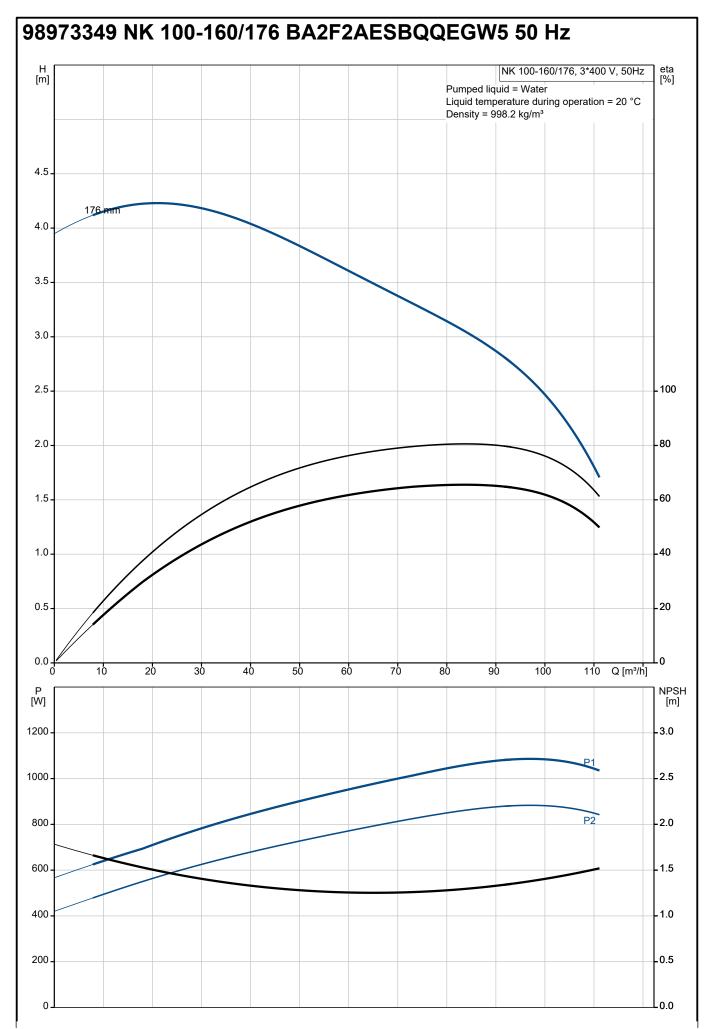
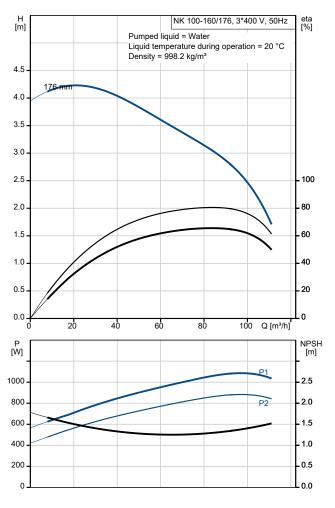


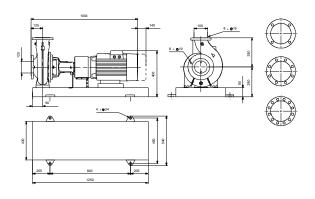
Qty.	Description							
1	The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.							
	The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.							
	The motor does not incorporate motor protection and must be connected to a motor-protective circuit breaker which can be manually reset. The motor-protective circuit breaker must be set according to the rated current of the motor (I1/1). The motor can be connected to a variable speed drive for adjustment of pump performance to any duty point. Grundfos CUE offers a range of variable speed drives. Please find more information in Grundfos Product Center. <b>Further product details</b> Cast-iron parts have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface.							
	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						
	Tashaisal							
	Technical: Pump speed on which pump data	a are based: 950 rpm						
	Rated flow:	82.86 m <sup>3</sup> /h						
	Pump with motor (Yes/No):	Υ						
	Rated head:	2.973 m						
	Actual impeller diameter:	176 mm						
	Nominal impeller diameter:	160						
	Code for shaft seal:	BQQE						
	Mechanical seal type:	Single						
	Curve tolerance:	ISO9906:2012 3B2						
	Bearing design:	Standard						
	Materials:							
	Pump housing:	Cast iron						
	r ump nousing.	EN-GJL-250						
		ASTM class 35						
	Wear ring:	Brass						
	Impeller:	Cast iron						
	•	EN-GJL-200						
		ASTM class 30						
	Internal pump house coating:	CED						
	Shaft:	Stainless steel						
		EN 1.4301						
		AISI 304						
	Installation:							
	t max amb:	55 °C						
	Maximum operating pressure:	16 bar						
	Pipe connection standard:	EN 1092-2						
	Type of inlet connection:	DIN						
	Type of outlet connection:	DIN						
	Size of inlet connection:	DN 125						
	Size of outlet connection:	DN 100						
	Pressure rating for connection:	PN 16						
	Coupling type:	Flexible w/spacer						
	Base frame design:	EN/ISO						
	Code for base frame:	6						

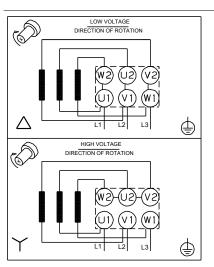
Qty.		
1	Grouting (Yes/No):	Ν
	Electrical data:	
	Motor type:	SIEMENS
	IE Efficiency class:	IE3
	Rated power - P2:	1.1 kW
	Mains frequency:	50 Hz
	Rated voltage:	3 x 220-240D/380-420Y V
	Rated current:	5.2/2.95 A
	Starting current:	500-500 %
	Cos phi - power factor: Rated speed:	0.66 950 rpm
	Efficiency:	IE3 81%
	Motor efficiency at full load:	81-81 %
	Motor efficiency at 3/4 load:	81.4-81.4 %
	Motor efficiency at 1/2 load:	79.3-79.3 %
	Number of poles:	6
	Enclosure class (IEC 34-5):	IP55
	Insulation class (IEC 85):	F
	Motor No:	98957404
	Bearing insulation type N-end:	STEEL BEARING
1	Others:	
	Minimum efficiency index, MEI ≥:	
	Net weight:	175 kg
	Gross weight:	284 kg
	Shipping volume:	1.11 m³ HU
	Country of origin: Custom tariff no.:	84137059
		04107000
1		



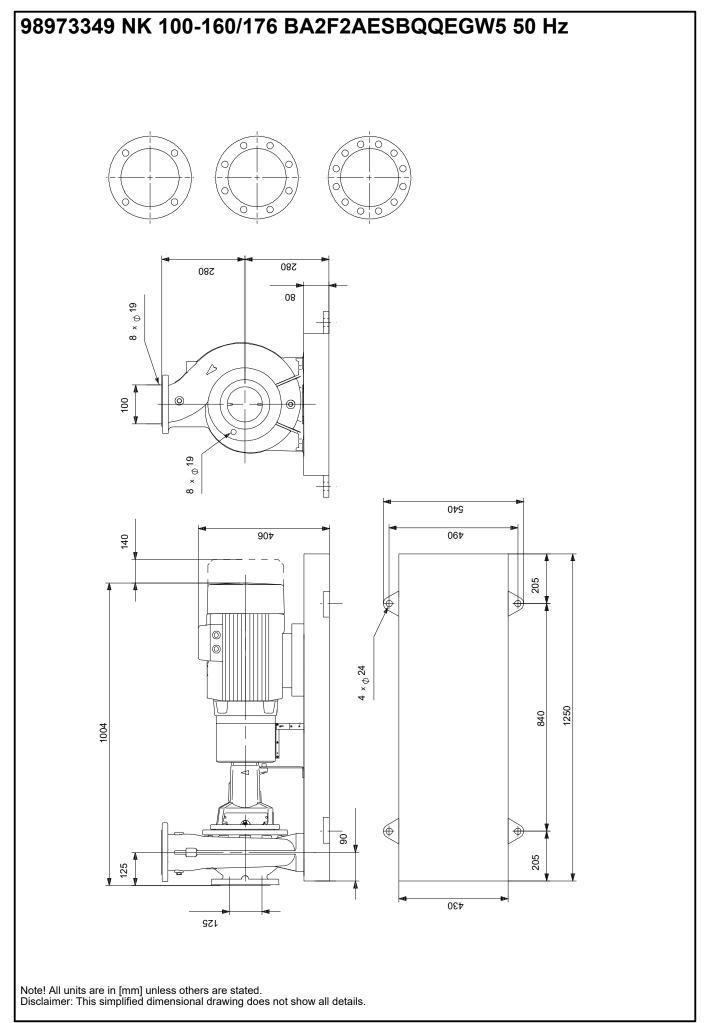
Description	Value	
Description General information:	Value	
Product name:	NK 100-160/176	
	BA2F2AESBQQEGW5	
Product No:	98973349	
EAN number:	5712604503331	
Technical:		
Pump speed on which pump data are based:	950 rpm	
Rated flow:	82.86 m³/h	
Pump with motor (Yes/No):	Y	
Rated head:	2.973 m	
Actual impeller diameter:	176 mm	
Nominal impeller diameter:	160	
Shaft diameter: Code for shaft seal:	24 mm	
Mechanical seal type:	BQQE Single	
Curve tolerance:	Single ISO9906:2012 3B2	
Pump version:	A2	
Bearing design:	Standard	
Materials:	Standard	
Pump housing:	Cast iron	
Pump housing:	EN-GJL-250	
Pump housing:	ASTM class 35	
Wear ring:	Brass	
Impeller:	Cast iron	
Impeller:	EN-GJL-200	
Impeller:	ASTM class 30	
Internal pump house coating:	CED	
Material code:	A	
Code for rubber:	E	
Shaft:	Stainless steel	
Shaft:	EN 1.4301	
Shaft:	AISI 304	
Installation:		
t max amb:	55 °C	
Maximum operating pressure:	16 bar	
Pipe connection standard:	EN 1092-2	
Type of inlet connection:	DIN	
Type of outlet connection: Size of inlet connection:	DIN DN 125	
Size of outlet connection:	DN 123	
Pressure rating for connection:	PN 16	
Coupling type:	Flexible w/spacer	
Base frame design:	EN/ISO	
Code for base frame:	6	
Grouting (Yes/No):	N	
Connect code:	F	
Liquid:		
Pumped liquid:	Water	
Liquid temperature range:	-25 120 °C	
Selected liquid temperature:	20 °C	
Density:	998.2 kg/m³	
Electrical data:		
Motor type:	SIEMENS	
IE Efficiency class:	IE3	
Rated power - P2:	1.1 kW	
Mains frequency:	50 Hz	
Rated voltage:	3 x 220-240D/380-420Y V	
Rated current:	5.2/2.95 A	
Starting current:	500-500 %	
Cos phi - power factor:	0.66	
Rated speed:	950 rpm	
Efficiency:	IE3 81%	
Motor efficiency at full load:	81-81 %	

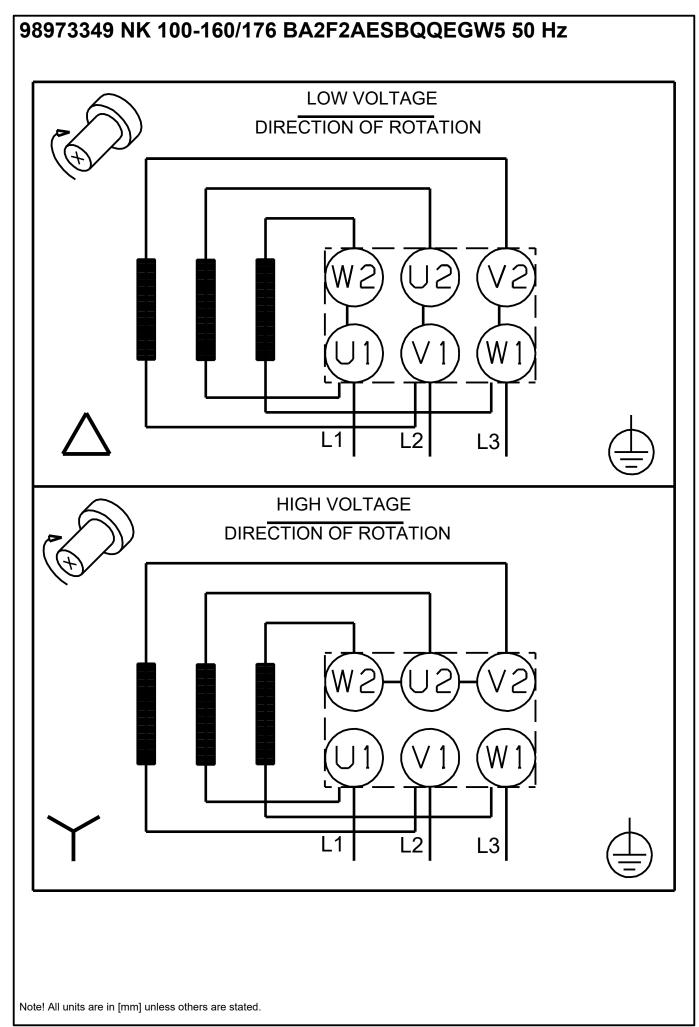






Description	Value		
Motor efficiency at 3/4 load:	81.4-81.4 %		
Motor efficiency at 1/2 load:	79.3-79.3 %		
Number of poles:	6		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	NONE		
Motor No:	98957404		
Bearing insulation type N-end:	STEEL BEARING		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	175 kg		
Gross weight:	284 kg		
Shipping volume:	1.11 m³		
Country of origin:	HU		
Custom tariff no.:	84137059		





		Order Da			
Position	Your pos.	Product name	Amount	Product No	Total
		NK 100-160/176	1	98973349	Price o reques
					reques
				1	