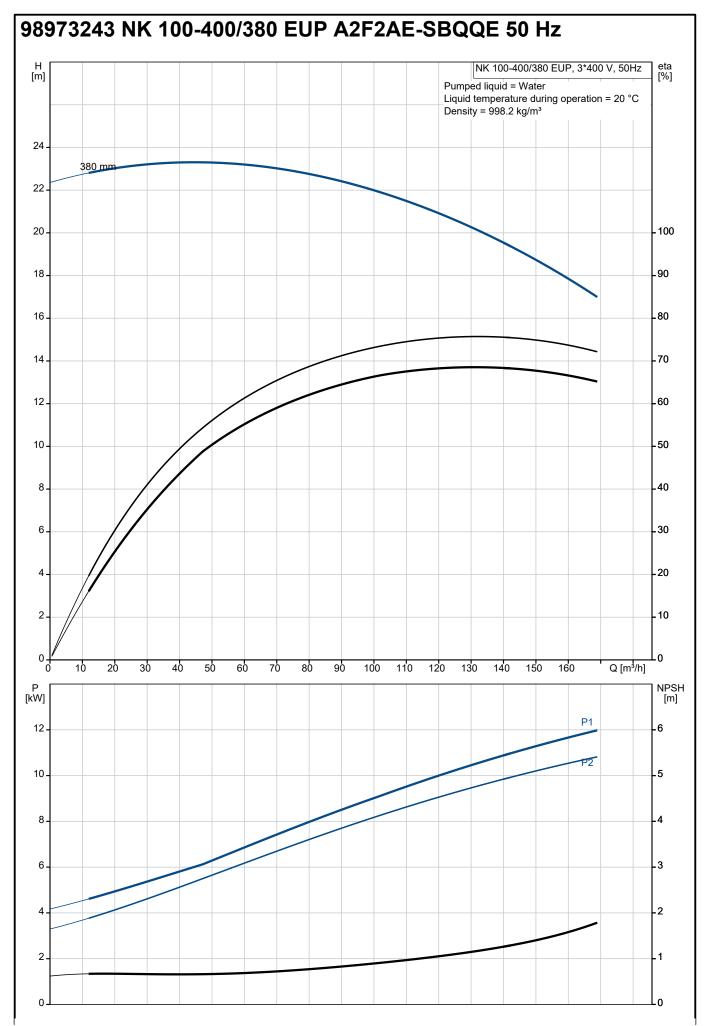
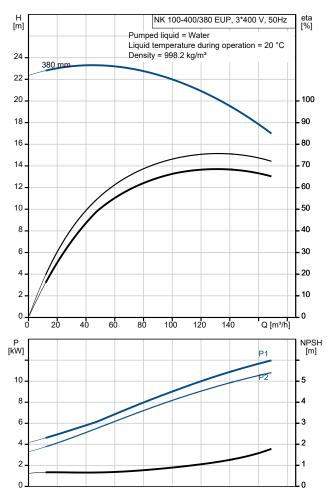


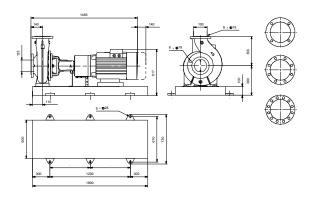
Qty.	Description						
1	The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.						
	The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.						
	The motor has thermistors (PTC sensors) in the windings in accordance with DIN 44081/DIN 44082. The protection reacts to both slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.						
	Thermal switches must be connected to an external control circuit in a way which ensures that the automatic reset cannot cause accidents. The motors must be connected to a motor-protective circuit breaker according to local regulations. 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 particle a thin, well-controlled layer on the surface.						
	Technical data						
	Controls:						
	Frequency converter: Pressure sensor:	NONE N					
	Liquid:						
	Pumped liquid:	Water					
	Liquid temperature range: Selected liquid temperature:	-25 120 °C 20 °C					
	Density:	998.2 kg/m <sup>3</sup>					
	Technical: Pump speed on which pump dat Rated flow: Pump with motor (Yes/No): Rated head: Actual impeller diameter: Nominal impeller diameter: Code for shaft seal: Mechanical seal type: Curve tolerance: Bearing design: Materials: Pump housing: Wear ring: Impeller:	131.4 m³/h Y 20 m 380 mm 400 BQQE Single ISO9906:2012 3B Standard Cast iron EN-GJL-250 ASTM class 35 Brass Cast iron EN-GJL-200 ASTM class 30					
	Internal pump house coating: Shaft:	CED Stainless steel EN 1.4301 AISI 304					
	Installation: t max amb: Maximum operating pressure: Pipe connection standard: Type of inlet connection: Type of outlet connection: Size of inlet connection: Size of outlet connection: Pressure rating for connection: Coupling type:	55 °C 16 bar EN 1092-2 DIN DIN DN 125 DN 100 PN 16 Flexible w/spacer					

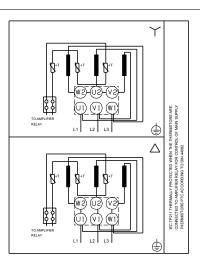
Qty.	Description	
	-	51//00
1	Base frame design:	EN/ISO
	Grouting (Yes/No):	Ν
	Electrical data:	
	Motor type:	SIEMENS
	IE Efficiency class:	IE3
	Rated power - P2:	11 kW
	Mains frequency:	50 Hz
	Rated voltage:	3 x 380-420D/660-725Y V
	Rated current:	22.0/12.7 A
	Starting current:	680-680 %
	Cos phi - power factor:	0.80
	Rated speed:	980 rpm
	Efficiency:	IE3 90,3%
	Motor efficiency at full load:	90.3-90.3 %
	Motor efficiency at 3/4 load:	90.7-90.7 %
	Motor efficiency at 1/2 load:	89.8-89.8 %
	Number of poles:	6
1	Enclosure class (IEC 34-5):	IP55
1	Insulation class (IEC 85):	F
1	Motor No:	98957460
	Bearing insulation type N-end:	STEEL BEARING
1		
1	Others:	0.70
	Minimum efficiency index, MEI ≥:	
	Net weight:	507 kg
	Gross weight:	574 kg
	Shipping volume:	1.49 m³ HU
	Country of origin: Custom tariff no.:	84137059
		04137039



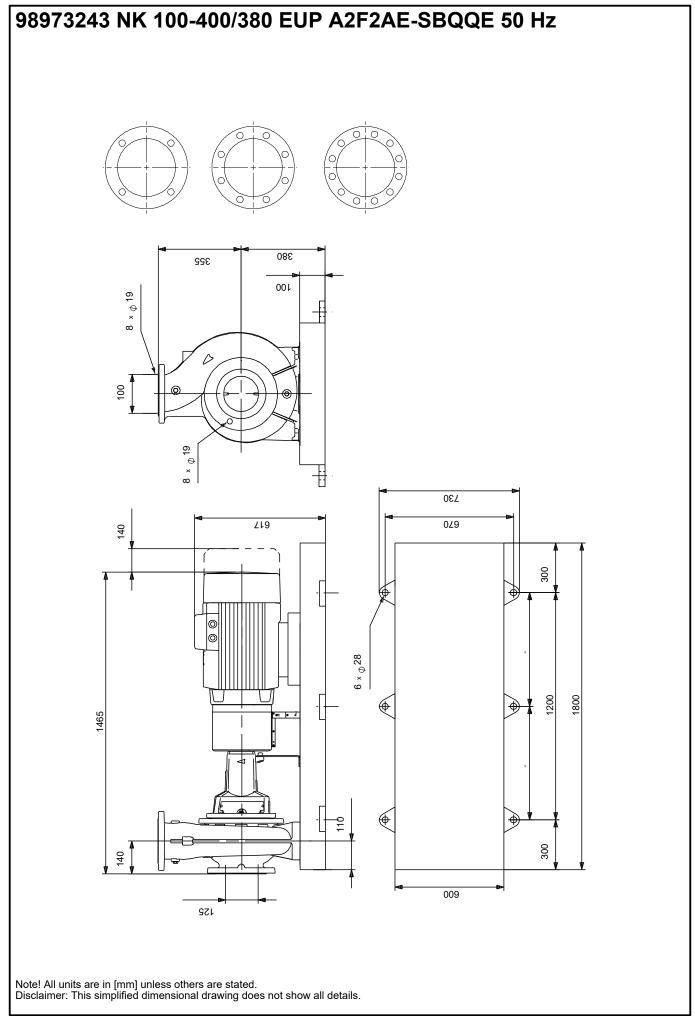
Description	Value	
General information:		
Product name:	NK 100-400/380 EUP A2F2AE-SBQQE	
Product No:	98973243	
EAN number:	5712604501269	
Technical:		
Pump speed on which pump data are based:	975 rpm	
Rated flow:	131.4 m³/h	
Pump with motor (Yes/No):	Y	
Rated head:	20 m	
Actual impeller diameter:	380 mm	
Nominal impeller diameter:	400	
Shaft diameter:	42 mm	
Code for shaft seal:	BQQE	
Mechanical seal type:	Single	
Curve tolerance:	ISO9906:2012 3B	
Pump version:	A2	
Bearing design:	Standard	
Materials:		
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:	F	
Shaft:	E 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:	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	
Grouting (Yes/No):	Ν	
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:	11 kW	
•	50 Hz	
Mains frequency:	3 x 380-420D/660-725Y V	
Rated voltage:	22.0/12.7 A	
Rated voltage: Rated current:		
Rated voltage: Rated current: Starting current:	22.0/12.7 A 680-680 %	
Rated voltage: Rated current: Starting current: Cos phi - power factor:	22.0/12.7 A 680-680 % 0.80	
Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed:	22.0/12.7 A 680-680 % 0.80 980 rpm	
Rated voltage: Rated current: Starting current: Cos phi - power factor:	22.0/12.7 A 680-680 % 0.80	

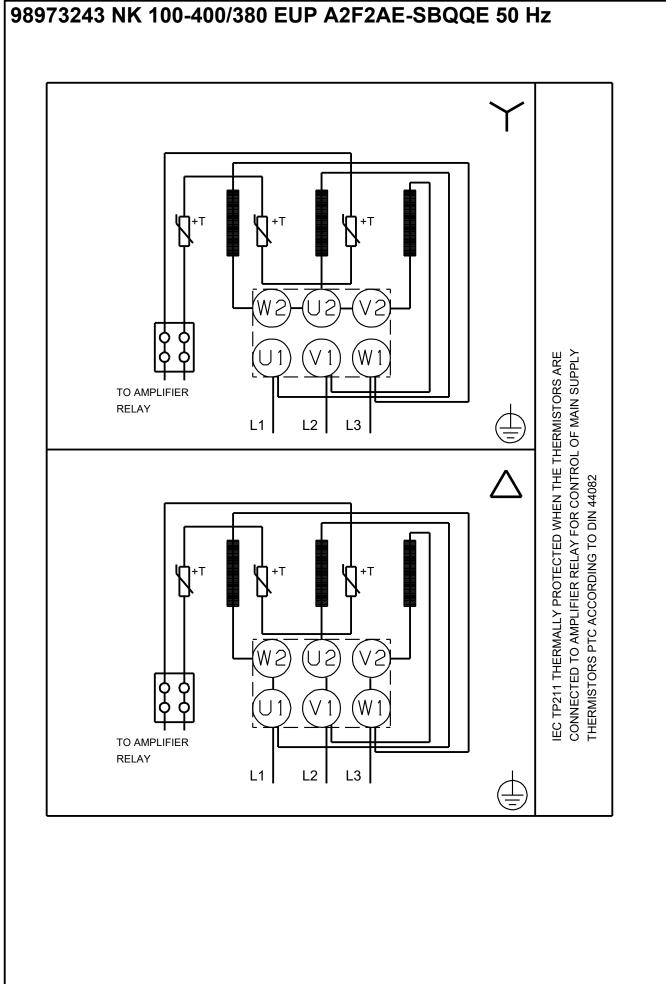






Description	Value		
Motor efficiency at 1/2 load:	89.8-89.8 %		
Number of poles:	6		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	PTC		
Motor No:	98957460		
Bearing insulation type N-end:	STEEL BEARING		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	507 kg		
Gross weight:	574 kg		
Shipping volume:	1.49 m³		
Country of origin:	HU		
Custom tariff no.:	84137059		





Note! All units are in [mm] unless others are stated.

Order Data:							
Position	Your pos.	Product name	Amount	Product No	Total		
		NK 100-400/380 EUP	1	98973243	Price or reques		
					reques		