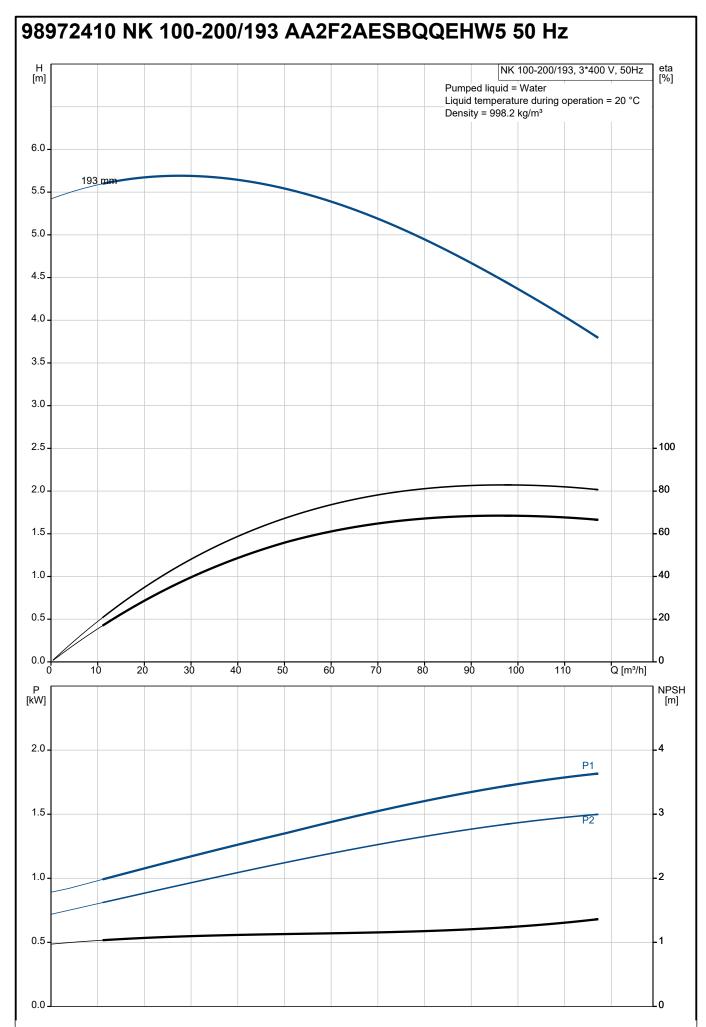
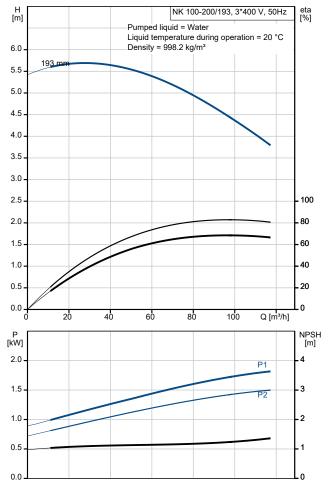


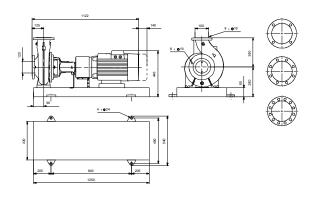
Qty.	Description					
1	The motor does not incorporate motor protection and must be connected to a motor-protective circuit breaker which can be manually reset. The motor-protective circuit breaker must be set according to the rated current of the motor (I1/1).					
	The motor can be connected to a variable 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. Further product details 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					
	Controlo					
	Controls:	NONE				
	Frequency converter: Pressure sensor:	NONE N				
	Liquid:					
	Pumped liquid:	Water				
	Liquid temperature range:	-25 120 °C				
	Selected liquid temperature:	20 °C				
	Density:	998.2 kg/m ³				
	Technical:					
	Pump speed on which pump dat Rated flow:	a are based: 970 rpm 94.5 m³/h				
	Pump with motor (Yes/No):	Υ				
	Rated head:	4.5 m				
	Actual impeller diameter:	193 mm				
	Nominal impeller diameter:	200				
	•					
	Code for shaft seal:	BQQE				
	Mechanical seal type:	Single				
	Curve tolerance: Bearing design:	ISO9906:2012 3B2 Standard				
	5 5					
	Materials:					
	Pump housing:	Cast iron 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: Grouting (Yes/No):	6 N				
	Electrical data:					

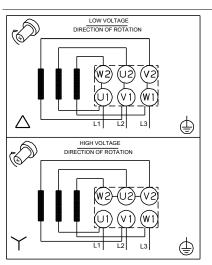
Qty.	Description		
1	Motor type:	SIEMENS	
	IE Efficiency class:	IE3	
	Rated power - P2:	1.5 kW	
	Mains frequency:	50 Hz	
	Rated voltage:	3 x 220-240D/380-420Y V	
	Rated current:	6.3/3.6 A	
	Starting current:	520-520 %	
	Cos phi - power factor:	0.73	
	Rated speed:	970 rpm	
	Efficiency:	IE3 82,5%	
	Motor efficiency at full load:	82.5-82.5 %	
	Motor efficiency at 3/4 load:	83.1-83.1 %	
	Motor efficiency at 1/2 load:	81.5-81.5 %	
	Number of poles:	6	
	Enclosure class (IEC 34-5):	IP55	
		F	
	Insulation class (IEC 85): Motor No:	F 98957420	
	Bearing insulation type N-end:	STEEL BEARING	
	Others:		
	Minimum efficiency index, MEI ≥:		
	Net weight:	207 kg	
	Gross weight:	316 kg	
	Shipping volume:	1.11 m³	
	Country of origin:	HU	
	Custom tariff no.:	84137059	



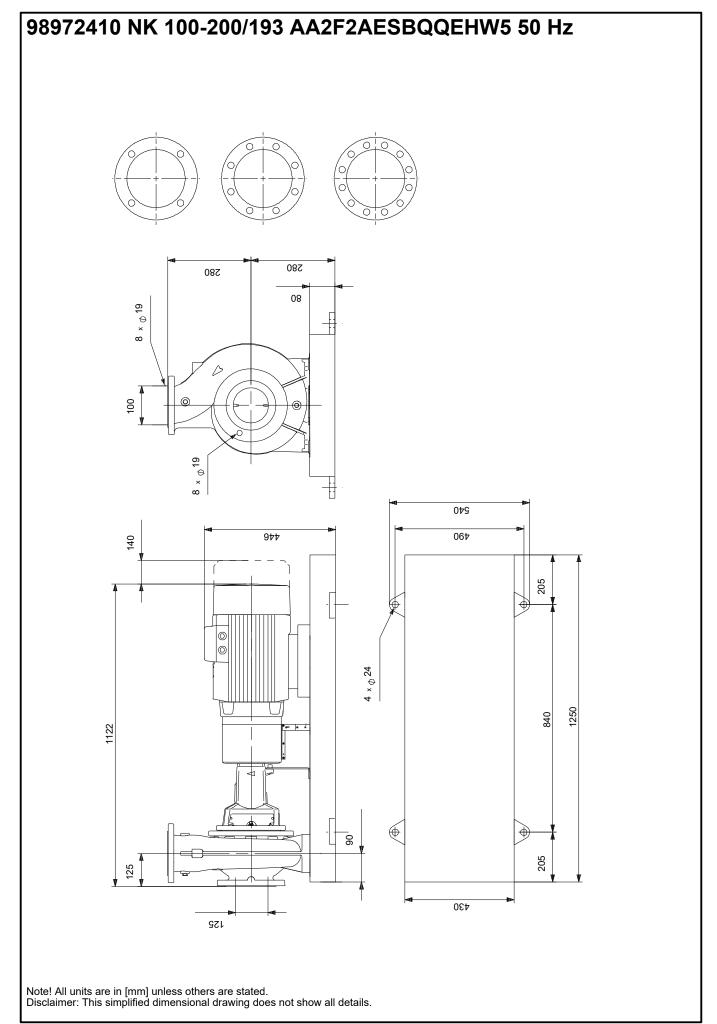
	· · ·		
Description General information:	Value		
Product name:	NK 100-200/193		
rioduct hame.	AA2F2AESBQQEHW5		
Product No:	98972410		
EAN number:	5712604484739		
Technical:			
Pump speed on which pump data are based:	970 rpm		
Rated flow:	94.5 m³/h		
Pump with motor (Yes/No):	Y		
Rated head:	4.5 m		
Actual impeller diameter:	193 mm		
Nominal impeller diameter:	200		
Shaft diameter:	32 mm		
Code for shaft seal:	BQQE		
Mechanical seal type:	Single ISO9906:2012 3B2		
Curve tolerance: Pump version:	A2		
Bearing design:	Standard		
Materials:	Stanuaru		
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:	Α		
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:	DIN		
Size of inlet connection:	DN 125		
Size of outlet connection:	DN 100		
Pressure rating for connection:	PN 16		
Coupling type:	Flexible w/spacer EN/ISO		
Base frame design: Code for base frame:	6		
Grouting (Yes/No):	N		
Connect code:	F		
Liquid:	ľ		
Pumped liquid:	Water		
Liquid temperature range:	-25 120 °C		
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m ³		
Electrical data:			
Motor type:	SIEMENS		
IE Efficiency class:	IE3		
Rated power - P2:	1.5 kW		
Mains frequency:	50 Hz		
Rated voltage:	3 x 220-240D/380-420Y V		
Rated current:	6.3/3.6 A		
Starting current:	520-520 %		
Cos phi - power factor:	0.73		
Rated speed:	970 rpm		
Efficiency:	IE3 82,5%		
Motor efficiency at full load:	82.5-82.5 %		

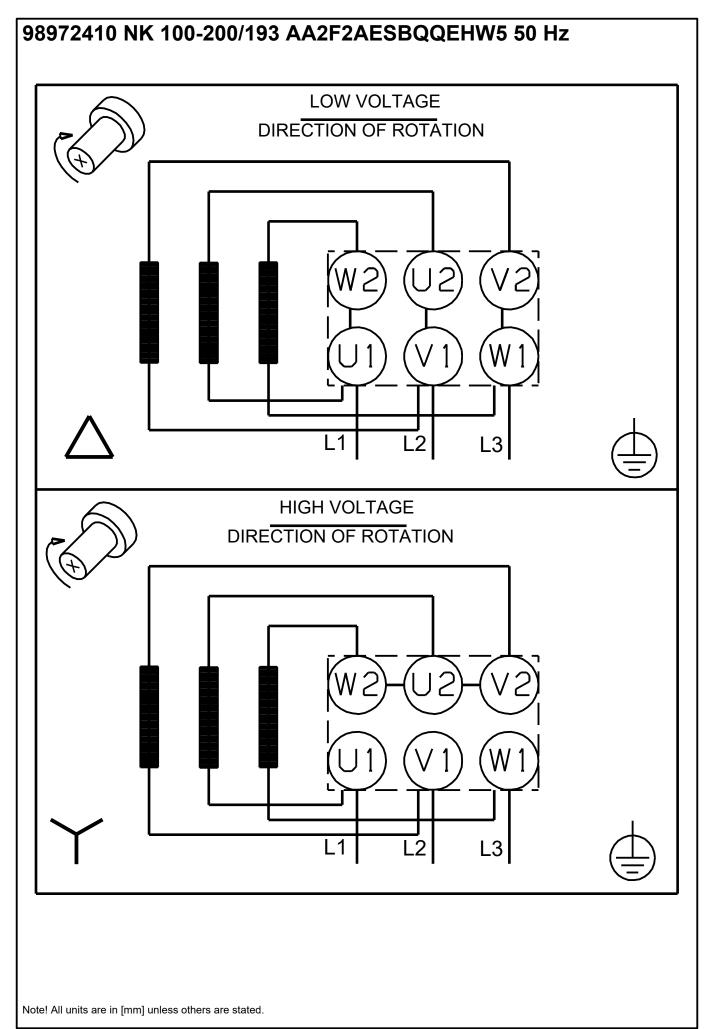






Description	Value		
Motor efficiency at 3/4 load:	83.1-83.1 %		
Motor efficiency at 1/2 load:	81.5-81.5 %		
Number of poles:	6		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	NONE		
Motor No:	98957420		
Bearing insulation type N-end:	STEEL BEARING		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.65		
Net weight:	207 kg		
Gross weight:	316 kg		
Shipping volume:	1.11 m ³		
Country of origin:	HU		
Custom tariff no .:	84137059		





Order Data:							
Position	Your pos.	Product name	Amount	Product No	Total		
		NK 100-200/193	1	98972410	Price o reques		
					reques		