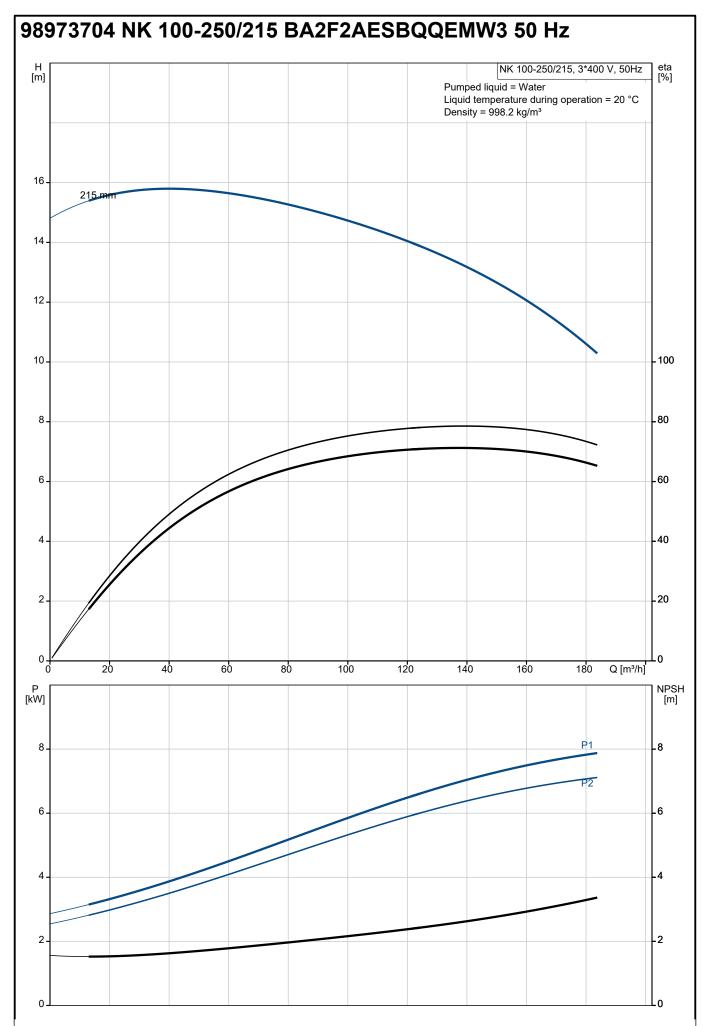
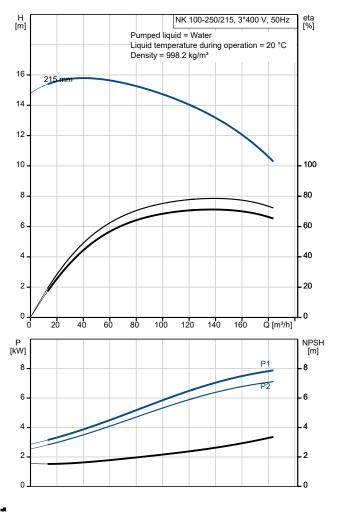


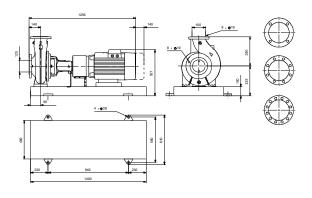
Qty.	Description							
1	The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.							
	The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.							
	The motor has thermistors (PTC sensors) 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.							
	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.							
	Controls:							
	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 data 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: Internal pump house coating: Shaft:	138 m³/h Y 13.07 m 215 mm 250 BQQE Single ISO9906:2012 3B2 Standard Cast iron EN-GJL-250 ASTM class 35 Brass Cast iron EN-GJL-250 ASTM class 35 Brass Cast iron EN-GJL-200 ASTM class 30 CED Stainless steel						
	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:	EN 1.4301 AISI 304 55 °C 16 bar EN 1092-2 DIN DIN DN 125 DN 100 PN 16 Flexible w/spacer						

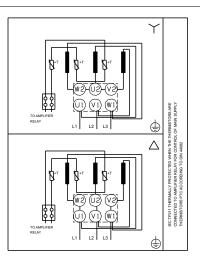
044	Description	
Qty.	-	
1	Base frame design: Code for base frame:	EN/ISO 7
	Grouting (Yes/No):	N
	Electrical data:	
	Motor type:	SIEMENS
	IE Efficiency class:	IE3
	Rated power - P2:	7.5 kW
	Mains frequency: Rated voltage:	50 Hz 3 x 380-420D/660-725Y V
	Rated current:	14.3/8.3 A
	Starting current:	820-820 %
	Cos phi - power factor:	0.84
	Rated speed:	1465 rpm
	Efficiency:	IE3 90,4%
	Motor efficiency at full load:	90.4-90.4 %
	Motor efficiency at 3/4 load: Motor efficiency at 1/2 load:	91.1-91.1 % 90.8-90.8 %
	Number of poles:	4
1	Enclosure class (IEC 34-5):	4 IP55
1	Insulation class (IEC 85):	F
1	Motor No:	98957793
	Bearing insulation type N-end:	N
	Others:	
	Minimum efficiency index, MEI ≥	0.70
	Net weight:	292 kg
	Gross weight:	319 kg
	Shipping volume:	0.742 m ³
	Country of origin:	HU
	Custom tariff no.:	84137059
1		
	fuere Currente Due duet Constra 10000 4	6 0071



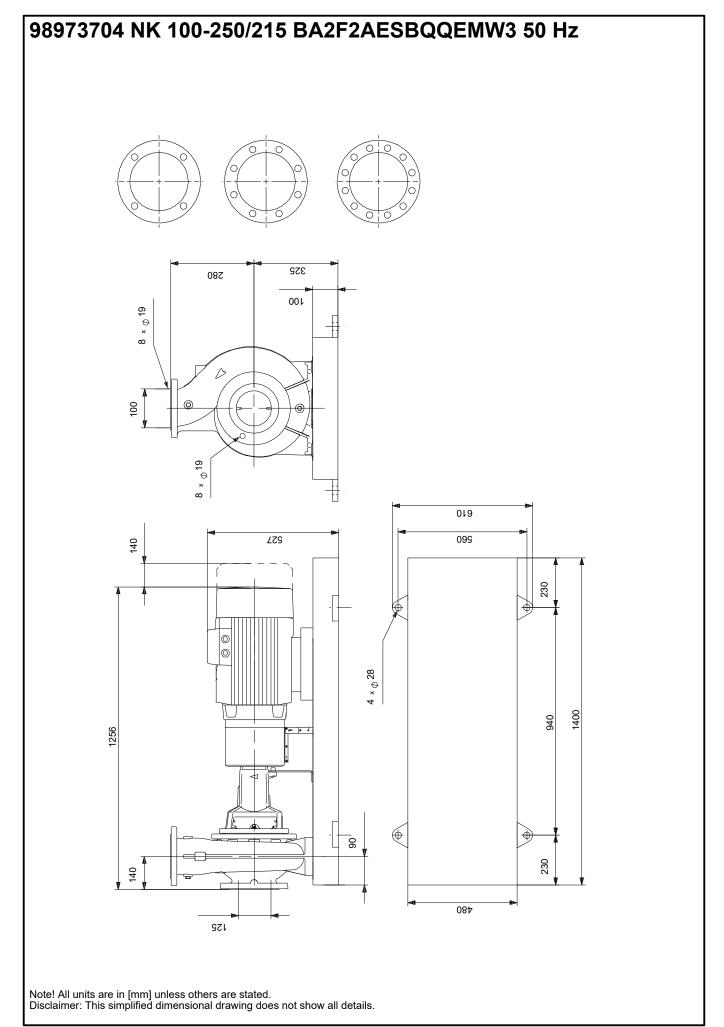
Description	Value
General information:	
Product name:	NK 100-250/215 BA2F2AESBQQEMW3
Product No:	98973704
EAN number:	5712604510810
Technical:	
Pump speed on which pump data are based:	1465 rpm
Rated flow:	138 m³/h
Pump with motor (Yes/No):	Y
Rated head:	13.07 m
Actual impeller diameter:	215 mm
Nominal impeller diameter:	250
Shaft diameter:	32 mm
Code for shaft seal:	BQQE
Mechanical seal type:	Single ISO9906:2012 3B2
Curve tolerance: Pump version:	A2
Bearing design:	A2 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:	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 DN 405
Size of inlet connection: Size of outlet connection:	DN 125 DN 100
Pressure rating for connection:	PN 16
Fressure rating for connection.	
Coupling type:	Eloviblo w/spacor
Coupling type: Base frame design:	Flexible w/spacer
Base frame design:	EN/ISO
Base frame design: Code for base frame:	EN/ISO 7
Base frame design: Code for base frame: Grouting (Yes/No):	EN/ISO
Base frame design: Code for base frame: Grouting (Yes/No): Connect code:	EN/ISO 7 N
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid:	EN/ISO 7 N
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid:	EN/ISO 7 N F
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid:	EN/ISO 7 N F Water
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range:	EN/ISO 7 N F Water -25 120 °C
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature:	EN/ISO 7 N F Water -25 120 °C 20 °C
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type:	EN/ISO 7 N F Water -25 120 °C 20 °C
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class:	EN/ISO 7 N F Water -25 120 °C 20 °C 998.2 kg/m ³
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2:	EN/ISO 7 N F Water -25 120 °C 20 °C 998.2 kg/m ³ SIEMENS
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency:	EN/ISO 7 N F Water -25 120 °C 20 °C 998.2 kg/m ³ SIEMENS IE3 7.5 kW 50 Hz
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage:	EN/ISO 7 N F -25 120 °C 20 °C 998.2 kg/m ³ SIEMENS IE3 7.5 kW 50 Hz 3 x 380-420D/660-725Y V
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current:	EN/ISO 7 N F -25 120 °C 20 °C 998.2 kg/m ³ SIEMENS IE3 7.5 kW 50 Hz 3 x 380-420D/660-725Y V 14.3/8.3 A
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: Starting current:	EN/ISO 7 N F -25 120 °C 20 °C 998.2 kg/m ³ SIEMENS IE3 7.5 kW 50 Hz 3 x 380-420D/660-725Y V 14.3/8.3 A 820-820 %
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor:	EN/ISO 7 N F -25 120 °C 20 °C 998.2 kg/m ³ SIEMENS IE3 7.5 kW 50 Hz 3 x 380-420D/660-725Y V 14.3/8.3 A 820-820 % 0.84
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed:	EN/ISO 7 N F -25 120 °C 20 °C 998.2 kg/m ³ SIEMENS IE3 7.5 kW 50 Hz 3 x 380-420D/660-725Y V 14.3/8.3 A 820-820 % 0.84 1465 rpm
Base frame design: Code for base frame: Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor:	EN/ISO 7 N F -25 120 °C 20 °C 998.2 kg/m ³ SIEMENS IE3 7.5 kW 50 Hz 3 x 380-420D/660-725Y V 14.3/8.3 A 820-820 % 0.84

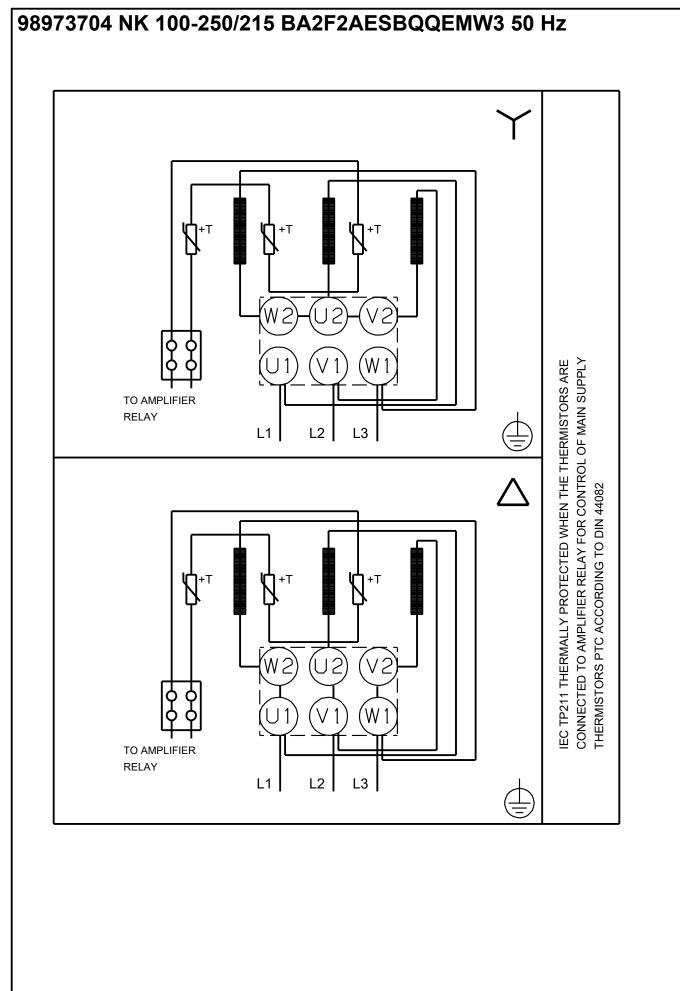






Description	Value		
Motor efficiency at 3/4 load:	91.1-91.1 %		
Motor efficiency at 1/2 load:	90.8-90.8 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	PTC		
Motor No:	98957793		
Bearing insulation type N-end:	Ν		
Controls:			
Frequency converter:	NONE		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	292 kg		
Gross weight:	319 kg		
Shipping volume:	0.742 m³		
Country of origin:	HU		
Custom tariff no.:	84137059		





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

		Order Da			
Position	Your pos.	Product name	Amount	Product No	Total
		NK 100-250/215	1	98973704	Price o reques
					reques
				1	