

Inventflow: Grundfos A-partner

Grundfos NK 32-125.1/100 A1F2AE-SBQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nk/grundfos-nk-32-125-1-100-a1f2ae-sbqqe>

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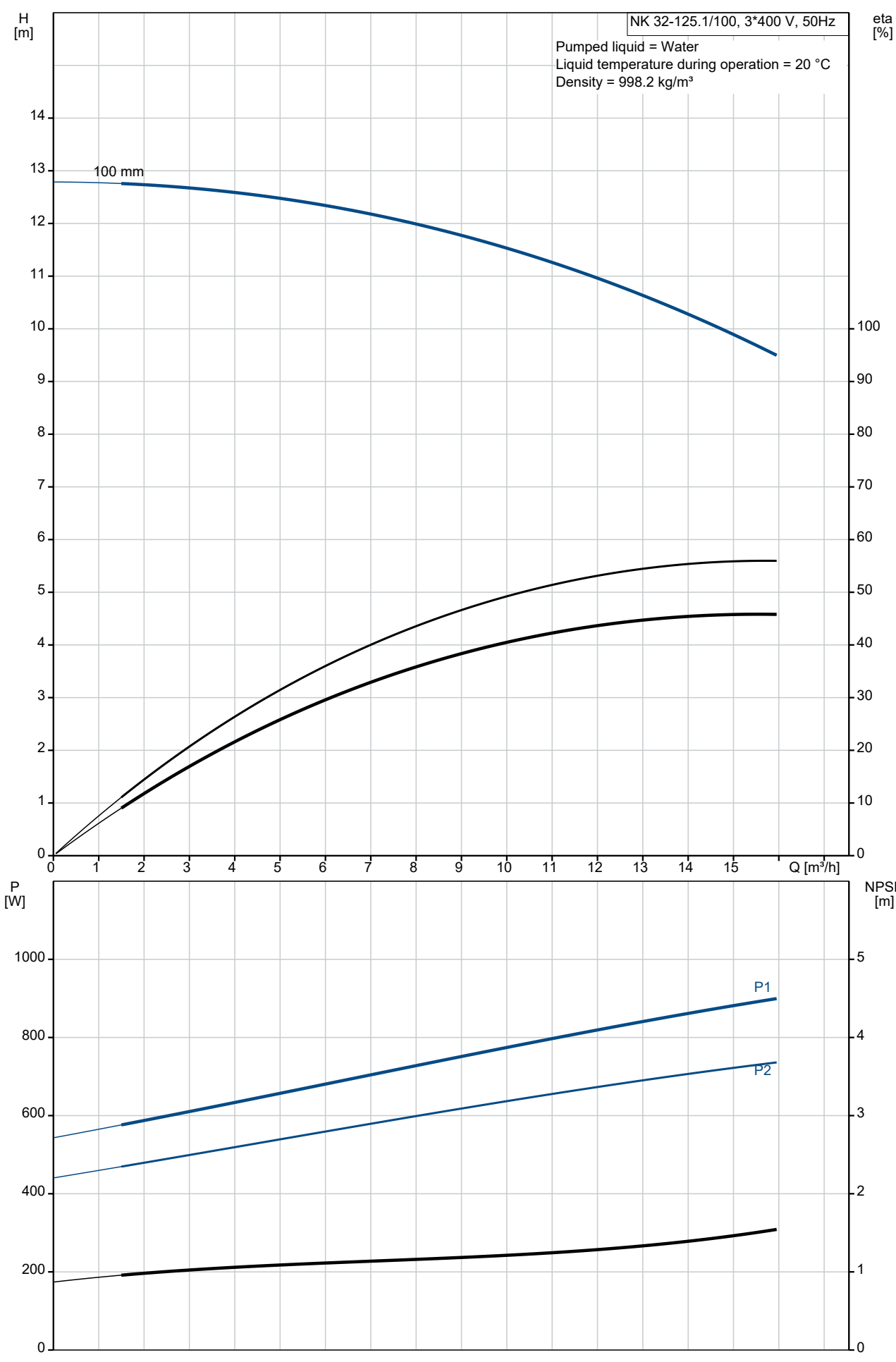
Datasheet



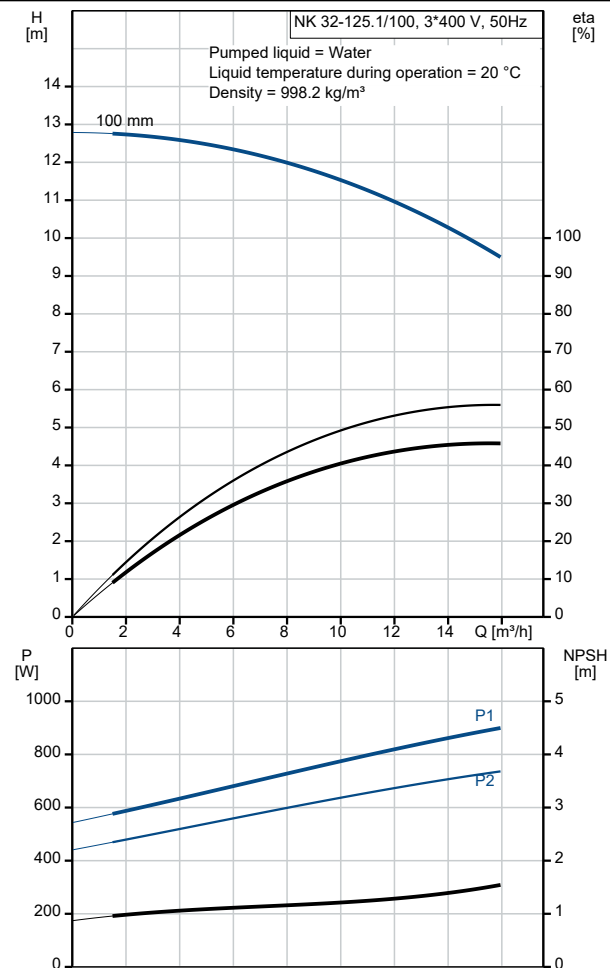
Qty.	Description
1	NK 32-125.1/100 A1F2AE-SBQQE  Note! Product picture may differ from actual product Product No.: 98971701 Non-self priming, single-stage centrifugal Flange standard: pump according to EN 1092-2. The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive or long-fibred solids. Phase: Pump and 3-phase AC motor are mounted as separate units on a common baseplate and The impeller is hydraulically as well as dynamically balanced. The pump has the following characteristics: - flange dimensions according to EN 1092-2, Pump housing: - Cast iron volute pump housing, - stainless steel shaft Impeller: and Cast iron impeller and bronze wear rings, - unbalanced mechanical shaft seal according to EN 12756. Controls: Frequency converter: NONE Pressure sensor: N Liquid: Pumped liquid: Water Liquid temperature range: -25 .. 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Technical: Pump speed on which pump data are based: 2840 rpm Rated flow: 14.89 m³/h Pump with motor: Y Rated head: 9.782 m Actual impeller diameter: 100 mm Nominal impeller diameter: 125.1 Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B2 Bearing design: Standard Materials: Pump housing: Cast iron EN-GJL-250 ASTM class 35 Wear ring: Brass Impeller: Cast iron EN-GJL-200

Qty.	Description
	Shaft: ASTM class 30 Stainless steel EN 1.4301 AISI 304 Internal pump house coating: CED Installation: Maximum ambient temperature: 60 °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 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/o spacer Base frame design: EN/ISO Grouting: N Electrical data: Motor type: 80A IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-415Y V Rated current: 3.30/1.90 A Starting current: 580-620 % Cos phi - power factor: 0.81-0.71 Rated speed: 2840-2870 rpm Efficiency: IE3 80,7% Motor efficiency at full load: 80.7 % Motor efficiency at 3/4 load: 82.7 % Motor efficiency at 1/2 load: 81.7 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 87120351 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 79 kg Gross weight: 93 kg Shipping volume: 0.249 m³ Country of origin: HU Custom tariff no.: 84137059

98971701 NK 32-125.1/100 A1F2AE-SBQQE 50 Hz

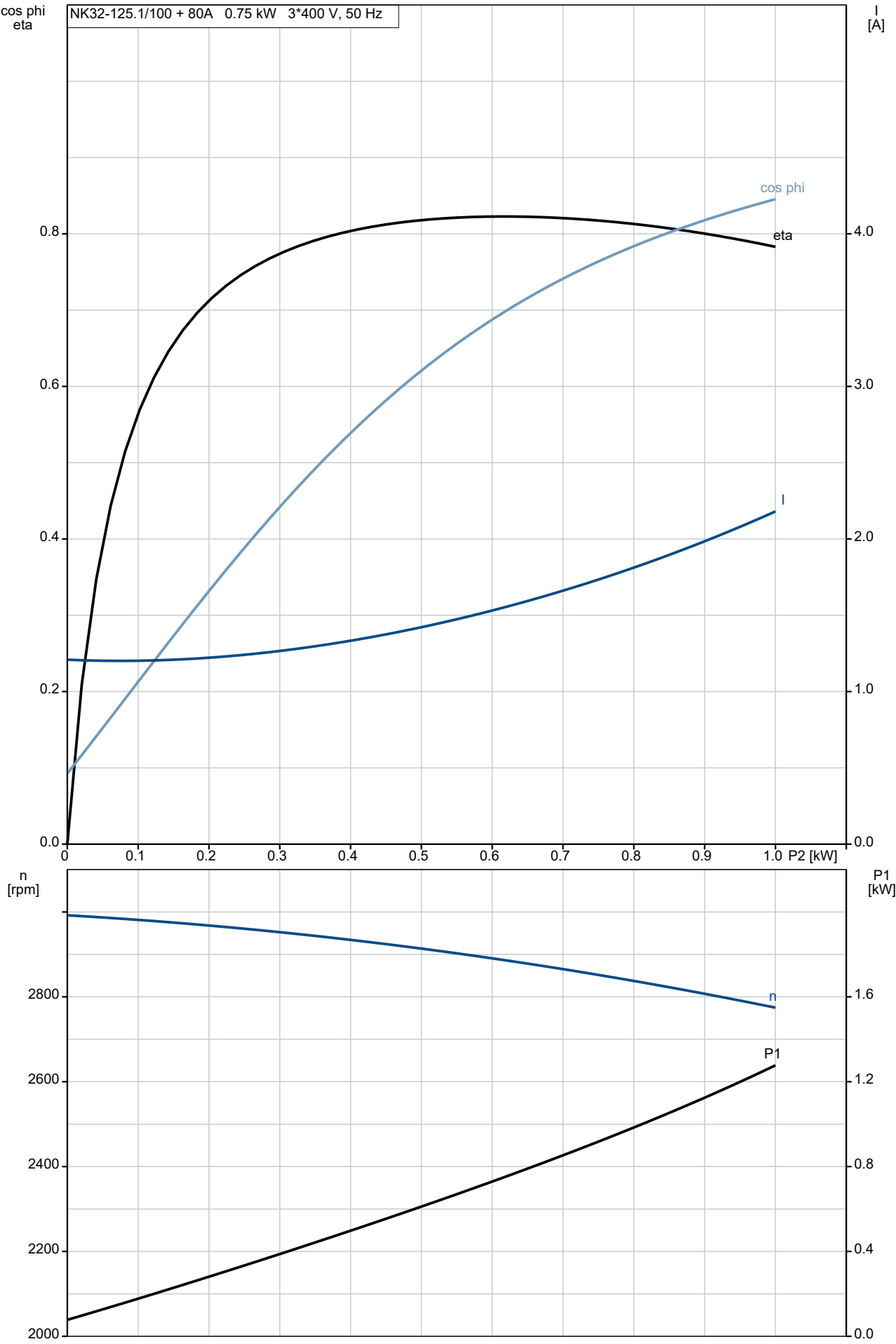


Description	Value
General information:	
Product name:	NK 32-125.1/100 A1F2AE-SBQQE
Product No:	98971701
EAN number:	5712604470596
Technical:	
Pump speed on which pump data are based:	2840 rpm
Rated flow:	14.89 m³/h
Pump with motor:	Y
Rated head:	9.782 m
Actual impeller diameter:	100 mm
Nominal impeller diameter:	125.1
Shaft diameter:	24 mm
Code for shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B2
Pump version:	A1
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
Shaft:	Stainless steel
Shaft:	EN 1.4301
Shaft:	AISI 304
Internal pump house coating:	CED
Material code:	A
Code for rubber:	E
Installation:	
Maximum ambient temperature:	60 °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 50
Size of outlet connection:	DN 32
Pressure rating for connection:	PN 16
Coupling type:	Flexible w/o spacer
Base frame design:	EN/ISO
Grouting:	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:	80A
IE Efficiency class:	IE3
Rated power - P2:	0.75 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415Y V
Rated current:	3.30/1.90 A
Starting current:	580-620 %
Cos phi - power factor:	0.81-0.71
Rated speed:	2840-2870 rpm
Efficiency:	IE3 80,7%
Motor efficiency at full load:	80.7 %
Motor efficiency at 3/4 load:	82.7 %
Motor efficiency at 1/2 load:	81.7 %

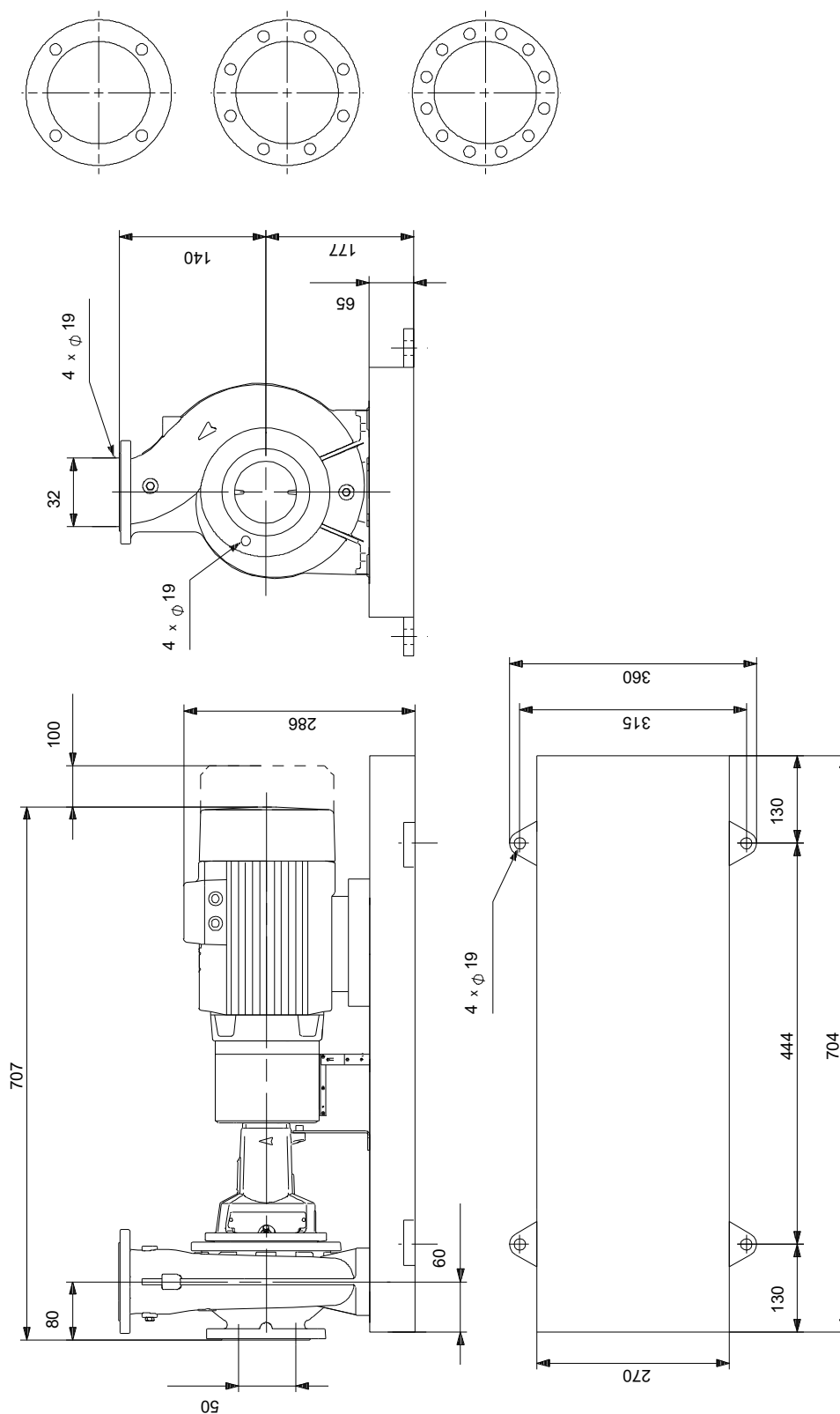


Description	Value
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	87120351
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	79 kg
Gross weight:	93 kg
Shipping volume:	0.249 m ³
Country of origin:	HU
Custom tariff no.:	84137059

98971701 NK 32-125.1/100 A1F2AE-SBQQE 50 Hz



98971701 NK 32-125.1/100 A1F2AE-SBQQE 50 Hz



Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Spare parts NK 32-125.1/100, Product No. 98971701
Produced After 1101 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aanta	Eenheid
-	Kit, bearing			96579598	1	pcs
53a	O-ring		Diameter: 71,5 Material type: EPDM Thickness: 3		1	
53	Ball bearing				1	
54a	O-ring		Diameter: 71,5 Material type: EPDM Thickness: 3		1	
54	Ball bearing				1	
156a	Bearing cover				2	
159f	Retaining ring				2	
159a	V-ring				2	
-	Kit, bearing bracket			95131793	1	pcs
7.k	Hex socket head cap screw		Length (mm): 10 Thread: M6		4	
36.a	Nut		Thread: M10		6	
76a	Rivet				2	
86	Bearing bracket				1	
124d	Shaft guard				1	
124d	Shaft guard				1	
124.d	Pan head screw				4	
-	Kit, bolt for coupling			96809939	1	pcs
-	Bolt				4	
-	Bolt				1	
89q	Washer		Internal diameter: 16,5 Outer diameter: 25,0			
89g	Spring lock washer					
89f	Washer		Internal diameter: 14,5 Outer diameter: 25			
89e	Nut					
89d	Bolt					
89	Rubber blocks for coupling				1	
-	Kit, coupling			96848893	1	pcs
- 8	Coupling cpl.				1	
-	Bolt				4	
-	Bolt					
89q	Washer		Internal diameter: 16,5 Outer diameter: 25,0			
89g	Spring lock washer					
89f	Washer		Internal diameter: 14,5 Outer diameter: 25			
89e	Nut					
89d	Bolt					
89	Rubber blocks for coupling					
9	Socket set screw				2	
89.p	Coupling female				1	
89.o	Coupling part, male				1	
89.b	Socket set screw		Length (mm): 8 Thread: M6		2	
11.a	Parallel key		Dimension: 8X7X40		1	
-	Kit, coupling guard			97945046	1	pcs
7b	Hex socket head cap screw		Length (mm): 10 Thread: M6		4	
7b	Retainer for coupling guard				1	
7	Coupling guard cpl.				1	

Pos	Omschrijving	Opmerking tekst	Classificatie	Gegevens	Onderdeelnr.	Aanta	Eenheid
-	Kit, cover				95131799	1	pcs
18	Plug					1	
36	Nut		Thread: M10			6	
77	Cover f/mech. seal					1	
-	Kit, foot for bearing bracket				96909142	1	pcs
	Nut		Thread: M12			2	
66	Washer					2	
90.e	Hex head screw		Length (mm): 25			1	
			Thread: M12				
90.d	Hex head bolt		Length (mm): 90			2	
			Thread: M12				
90.d	Hex head screw		Length (mm): 60			2	
			Thread: M12				
90.d	Hex head screw		Length (mm): 40			2	
			Thread: M12				
90.c	Foot					1	
-	Kit, foot for coupling guard				96848536	1	pcs
7h	Hex head screw		Length (mm): 16			2	
			Thread: M8				
- 7.d	Foot cpl.					1	
7d	Foot for coupling guard					1	
66	Washer					2	
-	Kit, nut				96939128	1	pcs
11	Parallel key		Dimension: 6X6X35			1	
- 36	Nut					1	
66a	Spring lock washer					1	
66	Washer					1	
67	Nut		Thread: M14			1	
-	Kit, pump housing				95131702	1	pcs
- 6	Pump housing					1	
26	Staybolt		Length (mm): 40			6	
			Thread: M10				
45	Wear ring					1	
20	Pipe plug		Thread: R 3/8			2	
36	Nut		Thread: M10			6	
-	Kit, rubber blocks f. coupling				96789247	1	pcs
89	Rubber blocks for coupling					8	
-	Kit, shaft				96039654	1	pcs
11.a	Parallel key		Dimension: 8X7X40			1	
11	Parallel key		Dimension: 6X6X35			1	
51	Shaft					1	
66a	Spring lock washer					1	
66	Washer					1	
67	Nut		Thread: M14			1	
-	Kit, shaft cover				96809954	1	pcs
124d	Shaft guard					1	
124d	Shaft guard					1	
124.d	Pan head screw					4	
-	Spare, wear ring				96810099	1	pcs
45	Wear ring					1	
-	Spare, wear ring				96810102	1	pcs
45b	Wear ring					1	
-	V-ring				96591314	1	pcs
159a	V-ring					1	
-	Motor				85904568	1	pcs
-	Kit, Ball bearing				96279730	1	
111	Ball bearing		Designation: 6204.2Z.C3.SYN			1	
111	Ball bearing					1	
157	O-ring		Diameter: 32			1	
			Material type: NBR				
			Thickness: 2				

Pos	Omschrijving	Opmerking tekst	Classificatie	Gegevens	Onderdeelnr.	Aanta	Eenheid
158	Waved washer						1
-	Kit, end shield				96279726	1	
156b	Flange						1
159d	Seal ring						1
184	Gasket			Internal diameter: 114,80			1
				Outer diameter: 121,20			
				Thickness: 0,25			
185	Pan head screw						4
186	Drain plug						1
-	Kit, fan				96279721	1	
156	Fan						1
159a	Seal ring						1
-	Kit, fan cover				96279720	1	
151	Fan cover						1
152	Pan head thread forming screw						2
-	Kit, foot				96279896	1	
191	Foot						1
192	Cross recess countersunk screw						4
-	Kit, key				96279850	1	
171	Parallel key			Designation: DS96 DIN 6885			1
				Dimension: 6X6X32			
171	Parallel key			Designation: DS96			1
				Dimension: 6X6X25			
-	Kit, shaft seal				96279723	1	
159d	Seal ring						1
159a	Seal ring						1
-	Kit, terminal box				96279724	1	
152	Pan head thread forming screw						4
164a	Terminal box w/gasket						1
164	Terminal box cover w/gasket						1
173a	Washer			Designation: SQUARE			1
				Internal diameter: 5,5			
				Outer diameter: 10X10			
				Thickness: 1,5			
173a	Base						1
173	Pan head thread forming screw			Designation: COMBI TORX T25			1
173	Pan head screw			Designation: DIN 7985			1
175	Pan head screw			Designation: DIN 7985			2
176	Terminal cpl.						1
7k	Hex socket head cap screw			Length (mm): 10 Thread: M6	97506946	4	pcs
28	Hex head screw			Length (mm): 25 Thread: M12	99522923	1	pcs
36	Nut			Thread: M10	96620484	6	pcs
49	Impeller				98801188	1	pcs
53.b	Spacer ring				96938908	1	pcs
54a	O-ring			Diameter: 71,5 Material type: EPDM Thickness: 3	97511807	2	pcs
67	Nut			Thread: M14	92526531	1	pcs
72a	O-ring				92547662	1	pcs
72a	O-ring				92526508	1	pcs
72a	O-ring				97511824	1	pcs
72a	O-ring				99756265	1	pcs
77a	Pan head screw				99266550	4	pcs
156a	Bearing cover				97506936	2	pcs