

Inventflow: Grundfos A-partner

Grundfos NK 40-315/273 A2F2AE-SBQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nk/grundfos-nk-40-315-273-a2f2ae-sbqqe>

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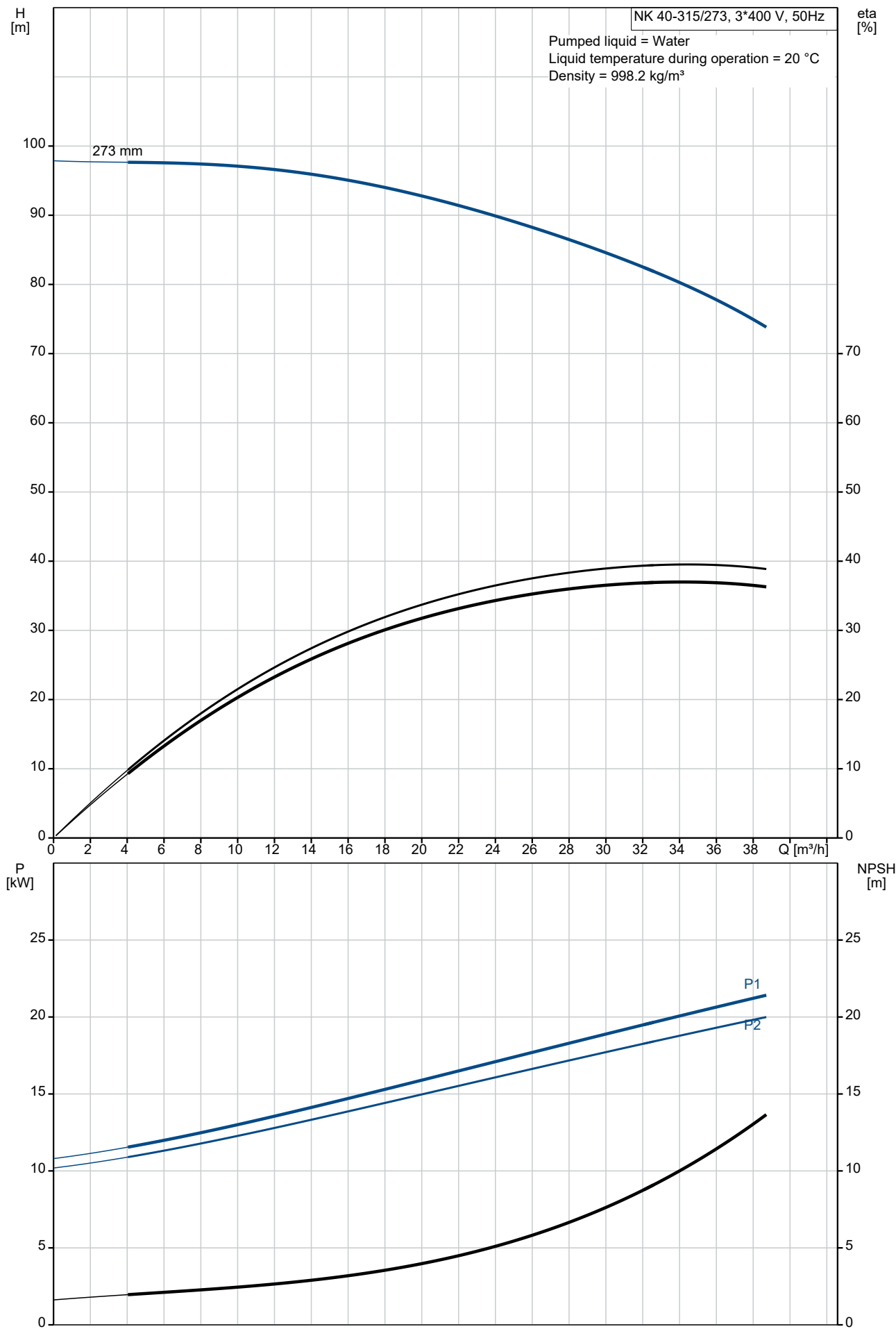
Datasheet



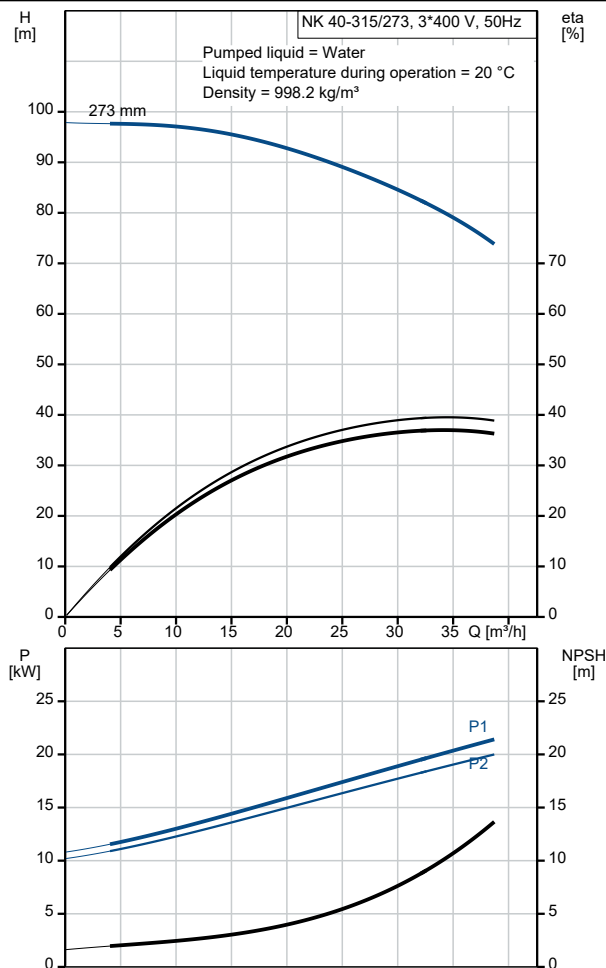
Qty.	Description
1	NK 40-315/273 A2F2AE-SBQQE  Note! Product picture may differ from actual product Product No.: 98973446 Non-self priming, single-stage centrifugal Flange standard: pump according to EN 1092-2. The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive 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: 2950 rpm Rated flow: 35.6 m³/h Pump with motor: Y Rated head: 77.82 m Actual impeller diameter: 273 mm Nominal impeller diameter: 315 Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B 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 65 Size of outlet connection: DN 40 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Grouting: N Electrical data: Motor type: 180MB IE Efficiency class: IE3 Rated power - P2: 22 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y V Rated current: 39.5/22.8 A Starting current: 830 % Cos phi - power factor: 0.90-0.90 Rated speed: 2950 rpm Efficiency: IE3 92,7% Motor efficiency at full load: 92.7 % Motor efficiency at 3/4 load: 93.7 % Motor efficiency at 1/2 load: 94.4 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 87470022 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 317 kg Gross weight: 345 kg Shipping volume: 0.667 m³ Country of origin: HU Custom tariff no.: 84137059

98973446 NK 40-315/273 A2F2AE-SBQQE 50 Hz

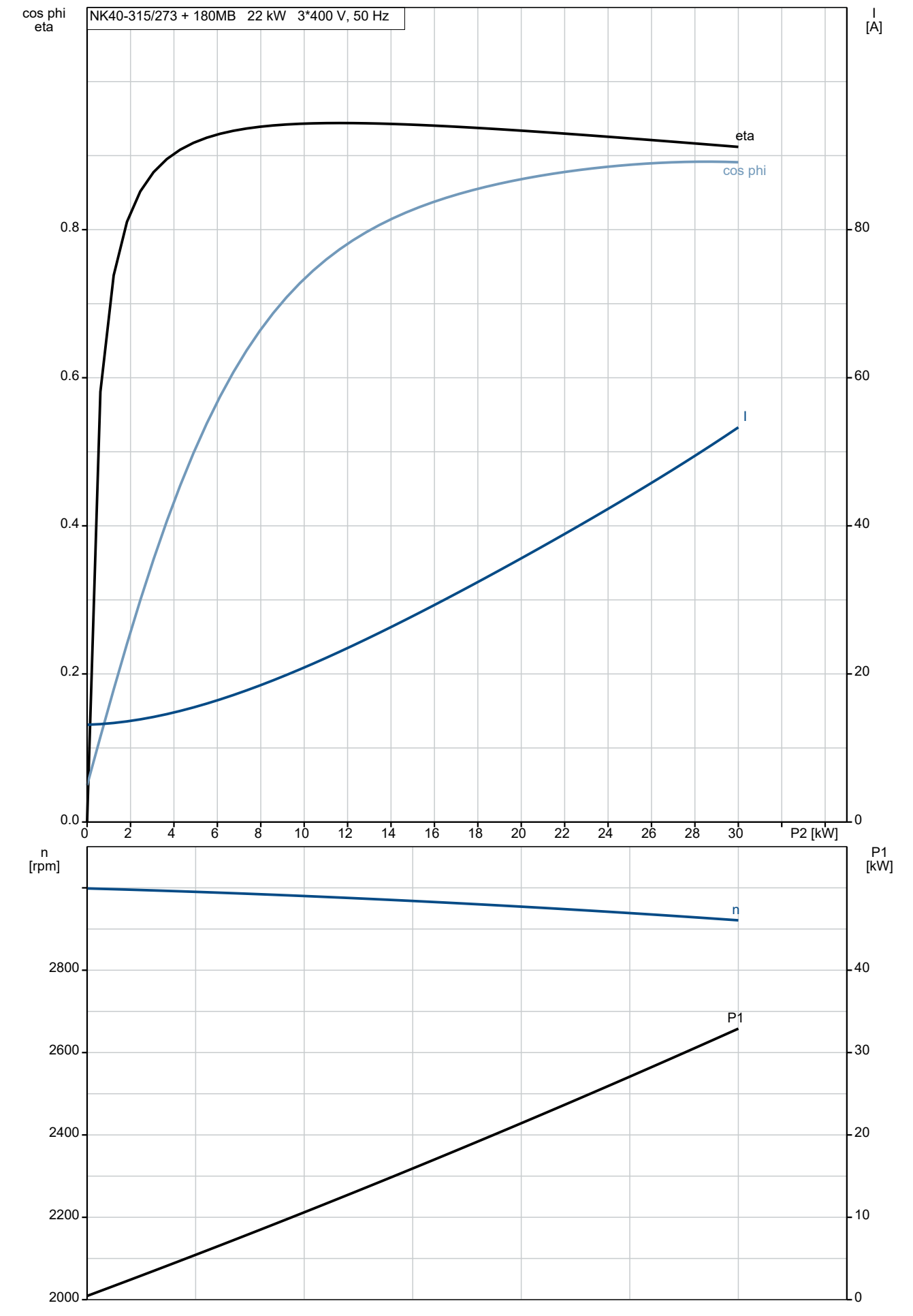


Description	Value
General information:	
Product name:	NK 40-315/273 A2F2AE-SBQQE
Product No:	98973446
EAN number:	5712604505601
Technical:	
Pump speed on which pump data are based:	2950 rpm
Rated flow:	35.6 m³/h
Pump with motor:	Y
Rated head:	77.82 m
Actual impeller diameter:	273 mm
Nominal impeller diameter:	315
Shaft diameter:	32 mm
Code for shaft seal:	BQQE
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
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 65
Size of outlet connection:	DN 40
Pressure rating for connection:	PN 16
Coupling type:	Flexible w/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:	180MB
IE Efficiency class:	IE3
Rated power - P2:	22 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D/660-690Y V
Rated current:	39.5/22.8 A
Starting current:	830 %
Cos phi - power factor:	0.90-0.90
Rated speed:	2950 rpm
Efficiency:	IE3 92,7%
Motor efficiency at full load:	92.7 %
Motor efficiency at 3/4 load:	93.7 %
Motor efficiency at 1/2 load:	94.4 %

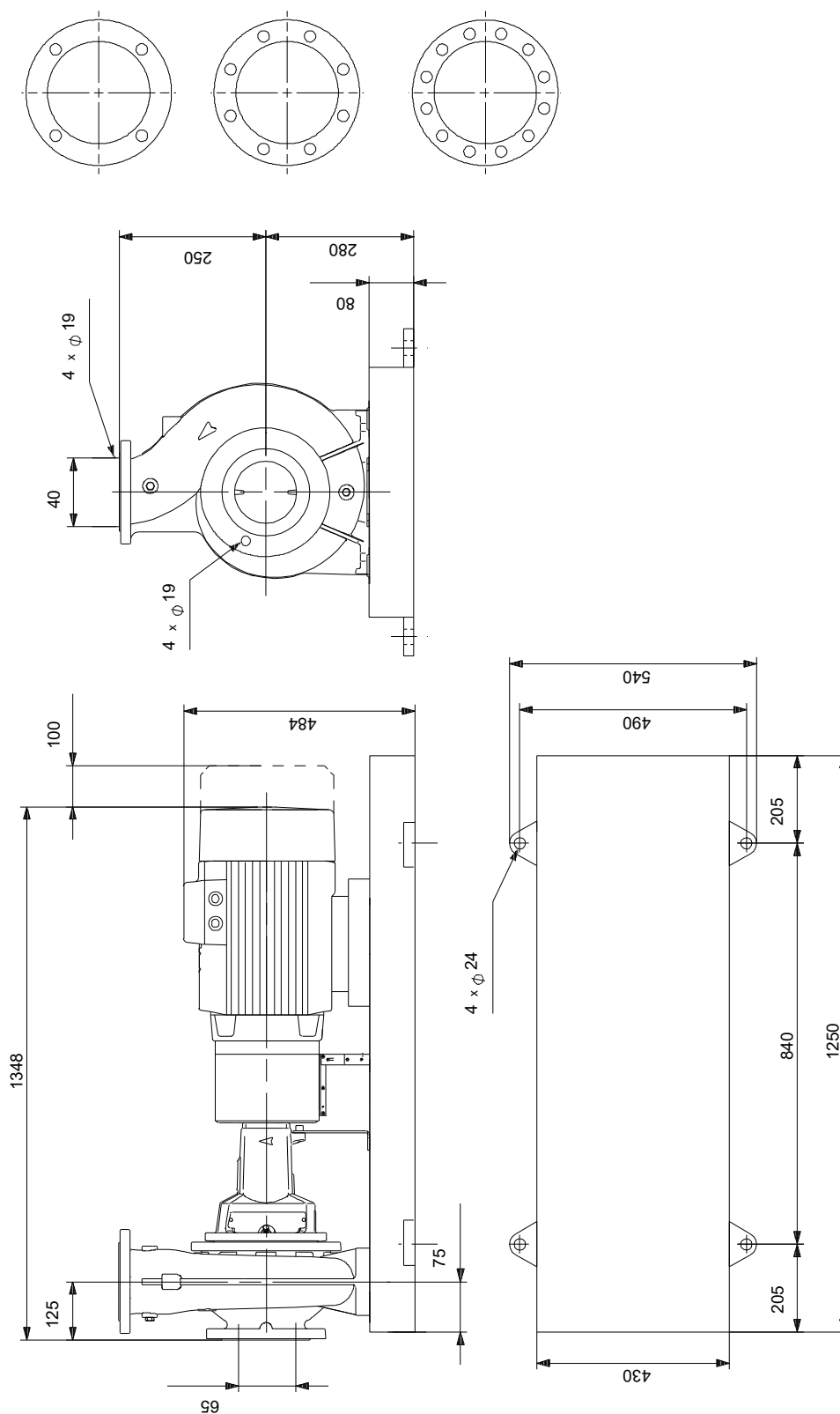


Description	Value
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	87470022
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	317 kg
Gross weight:	345 kg
Shipping volume:	0.667 m³
Country of origin:	HU
Custom tariff no.:	84137059

98973446 NK 40-315/273 A2F2AE-SBQQE 50 Hz



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

Spare parts NK 40-315/273, Product No. 98973446
Produced After 1101 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr	Aanta	Eenhei
-	Kit, bearing			96579599	1	pcs
111	Ball bearing			96607904	1	
53	Ball bearing			96607904	1	
53.a	O-ring		Diameter: 89,5		1	
			Material type: EPDM			
			Thickness: 3			
109	O-ring		Diameter: 89,5		1	
			Material type: EPDM			
			Thickness: 3			
156a	Bearing cover				2	
159f	Retaining ring				2	
159a	V-ring				2	
-	Kit, bearing bracket			95131794	1	pcs
7.k	Hex socket head cap screw		Length (mm): 10		4	
			Thread: M6			
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, coupling			96861595	1	pcs
- 8	Coupling cpl.				1	
89.s	Spacer ring				1	
89.r	Spacer sleeve				1	
89.p	Coupling female				1	
89.o	Coupling part spacer side				1	
89.d	Hex socket head cap screw		Length (mm): 20		6	
			Thread: M8			
89.b	Socket set screw		Length (mm): 8		1	
			Thread: M6			
89	Rubber blocks for coupling				6	
40	Parallel key				1	
-	Kit, coupling guard			97945074	1	pcs
7b	Hex socket head cap screw		Length (mm): 10		4	
			Thread: M6			
7b	Retainer for coupling guard				1	
7	Coupling guard cpl.				1	
-	Kit, cover			96927316	1	pcs
18	Plug				1	
36	Nut		Thread: M12		14	
36	Nut		Thread: M10		8	
77	Cover f/mech. seal				1	
-	Kit, foot for bearing bracket			96909170	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): 110		2	
			Thread: M12			
90.d	Hex head bolt		Length (mm): 90		2	
			Thread: M12			
90.d	Hex head bolt		Length (mm): 65		2	
			Thread: M12			
90.d	Hex head bolt		Length (mm): 55		2	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr	Aanta	Eenhei
			Thread: M12			
90.d	Hex head screw		Length (mm): 35MM		2	
			Thread: M12			
90.d	Hex head screw		Length (mm): 40		2	
			Thread: M12			
90.d	Hex head screw		Length (mm): 30		2	
			Thread: M12			
90.c	Foot				1	
-	Kit, foot for coupling guard			96848499	1	pcs
7h	Hex head screw		Length (mm): 16		2	
			Thread: M8			
- 7.d	Foot cpl.				1	
7l	Support f/coupling guard foot				1	
7h	Hex socket head cap screw				2	
7d	Foot for coupling guard				1	
66	Washer				2	
66	Washer				2	
-	Kit, nut			96939130	1	pcs
11	Parallel key				1	
- 36	Nut				1	
66a	Spring lock washer				1	
66	Washer				1	
67	Nut		Thread: M18		1	
-	Kit, pump housing			95131740	1	pcs
6	Pump housing				1	
20	Pipe plug		Thread: R 3/8		2	
36	Nut		Thread: M12		14	
-	Kit, rubber blocks f. coupling			96480017	1	pcs
89	Rubber blocks for coupling				6	
-	Kit, shaft			96039655	1	pcs
11.a	Parallel key				1	
11	Parallel key				1	
51	Shaft				1	
66a	Spring lock washer				1	
66	Washer				1	
67	Nut		Thread: M18		1	
-	Kit, shaft cover			96809957	1	pcs
124d	Shaft guard				1	
124d	Shaft guard				1	
124.d	Pan head screw				4	
-	Spare, wear ring			96797628	1	pcs
45	Wear ring				1	
-	Spare, wear ring			96810102	1	pcs
45b	Wear ring				1	
-	V-ring			96871238	1	pcs
159a	V-ring				2	
-	Motor				1	pcs
-	Kit, bearing cpl.		Designation: 6310.Z.C4-6310.Z.C4	96796811	1	
111	Ball bearing				1	
154	Ball bearing				1	
158	Waved washer				1	
-	Kit, bearing plate			96796809	1	
155.a	Cover				1	
208a	Gasket				3	
208	Hex socket head cap screw		Designation: DIN912		3	
			Length (mm): 40			
			Thread: M5			
-	Kit, end shield			96796805	1	

Pos	Omschrijving	Opmerking tekst	Classificatie	Gegevens	Onderdeelnr	Aanta	Eenhei
156. b	End shield DE						1
159. b	Seal ring						1
185. b	Nut						4
185	Hex socket head cap screw						4
186	Drain plug						3
195. a	Grease nipple						1
-	Kit, eyebolt				96796712	1	
189	Eyebolt						2
-	Kit, fan				96796652	1	
156. c	Retaining ring						1
156	Fan						1
-	Kit, fan cover				96796647	1	
151	Fan cover						1
152. a	Rubber bush						4
152	Hex head cap screw						4
196	Diaphragm						1
-	Kit, foot				96796804	1	
191. a	Foot						1
191	Foot						1
192	Hex socket head cap screw						4
194	Lock washer						4
194	Nut						4
-	Kit, gaskets				96798508	1	
184	O-ring			Diameter: 235			2
-	Kit, key				96796817	1	
171	Parallel key						1
-	Kit, lubrication nipple				96796671	1	
195. b	Grease nipple						2
195. a	Grease nipple						1
-	Kit, ND-end shield cpl.				96796810	1	
156a	End shield NDE						1
158	Waved washer						1
159	V-ring						1
185. c	Nut						4
185. a	Hex socket head cap screw						4
195. b	Grease nipple						1
-	Kit, shaft seal				96843460	1	
159. b	V-ring						1
159	V-ring						1
-	Kit, terminal board				96796657	1	
	Terminal connection						3
	Washer						12
36	Hex nut						12
173	Torx Screw						1
176. d	Terminal board						1
176	Terminal board						1
177	Torx Screw						1
-	Kit, terminal box cover				96796659	1	
164	Terminal box cover						1
273a	Pan head thread forming screw						4
7k	Hex socket head cap screw			Length (mm): 10	97506946	4	pcs

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr	Aanta	Eenhei
28	Hex head screw		Thread: M6 Length (mm): 25	99522923	1	pcs
36	Nut		Thread: M12	96620484	8	pcs
36	Nut		Thread: M10	96620479	14	pcs
54	Ball bearing		Thread: M12	98638919	2	pcs
67	Nut		Thread: M18	92526535	1	pcs
72a	O-ring		Diameter: 329,79	92547632	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
72a	O-ring		Diameter: 329,79	92526511	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
72a	O-ring		Diameter: 329,79	97511846	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
72a	O-ring		Diameter: 329,79	97757675	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
77a	Pan head screw			99266550	4	pcs
89	Rubber blocks for coupling			96591290	6	pcs
105b	Spacer			96591277	1	pcs
109	O-ring		Diameter: 89,5	97511809	2	pcs
			Material type: EPDM			
			Thickness: 3			
156a	Bearing cover			97506937	2	pcs