

Inventflow: Grundfos A-partner

Grundfos NK 40-125/105 A1F2AE-SBQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nk/grundfos-nk-40-125-105-a1f2ae-sbqqe>

Contact

info@inventflow.nl

+31 (0) 546 45 80 72

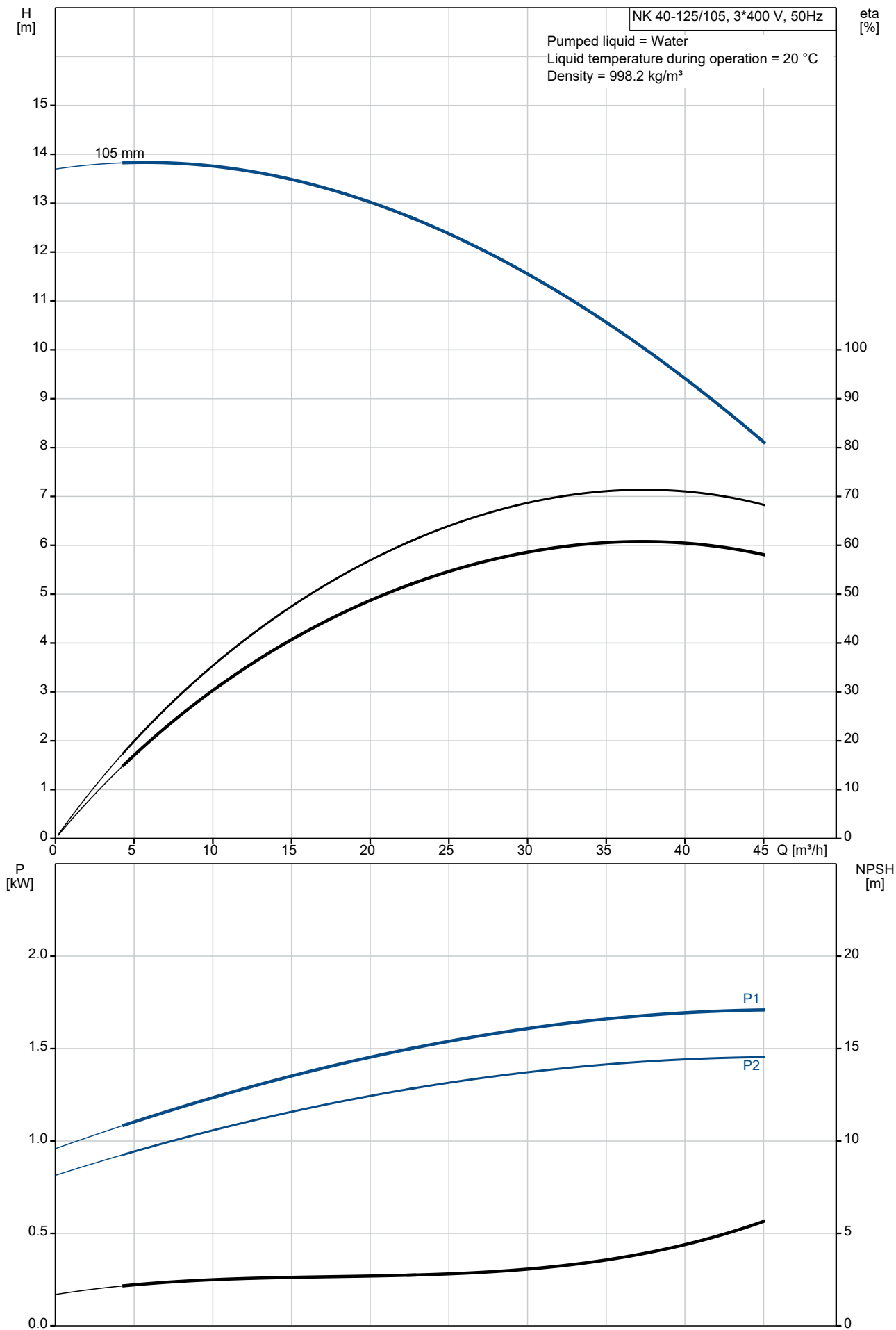
Datasheet



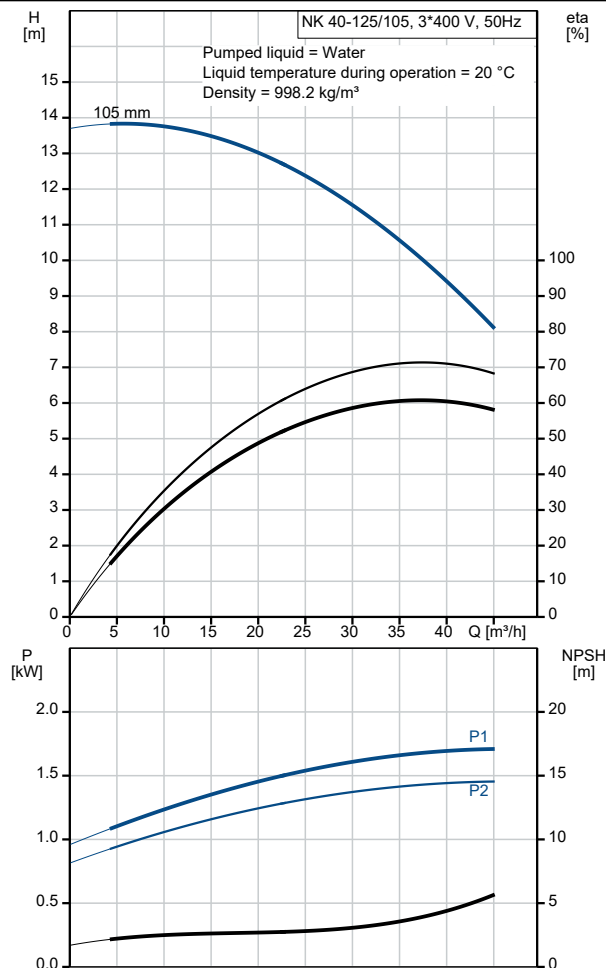
Qty.	Description
1	NK 40-125/105 A1F2AE-SBQQE  Note! Product picture may differ from actual product Product No.: 98314841 Non-self priming, single-stage centrifugal Flange standard: pump according to EN 1092-2. The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive 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: 2890 rpm Rated flow: 37.07 m³/h Pump with motor: Y Rated head: 9.931 m Actual impeller diameter: 105 mm Nominal impeller diameter: 125 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 65 Size of outlet connection: DN 40 Pressure rating for connection: PN 16 Coupling type: Flexible w/o spacer Base frame design: EN/ISO Grouting: N Electrical data: Motor type: 90SD IE Efficiency class: IE3 Rated power - P2: 1.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-415Y V Rated current: 5.70/3.30 A Starting current: 750-820 % Rated speed: 2890-2910 rpm Efficiency: IE3 84,2% Motor efficiency at full load: 84.2 % Motor efficiency at 3/4 load: 86.4 % Motor efficiency at 1/2 load: 86.0 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 99583836 Others: Minimum efficiency index, MEI ≥: 0.66 Net weight: 94 kg Gross weight: 108 kg Shipping volume: 0.251 m³ Country of origin: HU Custom tariff no.: 84137059

98314841 NK 40-125/105 A1F2AE-SBQQE 50 Hz

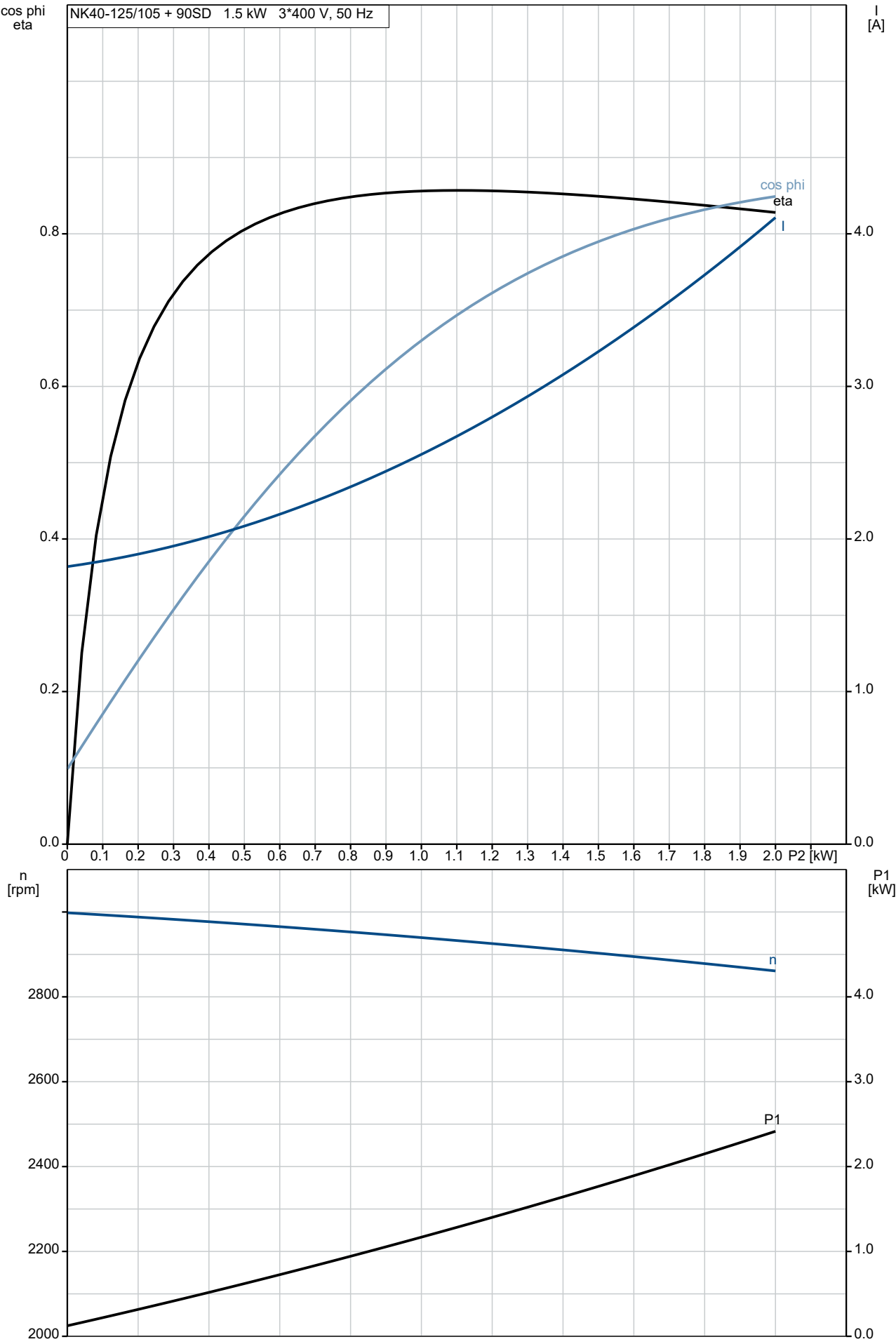


Description	Value
General information:	
Product name:	NK 40-125/105 A1F2AE-SBQQE
Product No:	98314841
EAN number:	5711492893999
Technical:	
Pump speed on which pump data are based:	2890 rpm
Rated flow:	37.07 m³/h
Pump with motor:	Y
Rated head:	9.931 m
Actual impeller diameter:	105 mm
Nominal impeller diameter:	125
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 65
Size of outlet connection:	DN 40
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:	90SD
IE Efficiency class:	IE3
Rated power - P2:	1.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415Y V
Rated current:	5.70/3.30 A
Starting current:	750-820 %
Rated speed:	2890-2910 rpm
Efficiency:	IE3 84,2%
Motor efficiency at full load:	84.2 %
Motor efficiency at 3/4 load:	86.4 %
Motor efficiency at 1/2 load:	86.0 %
Number of poles:	2

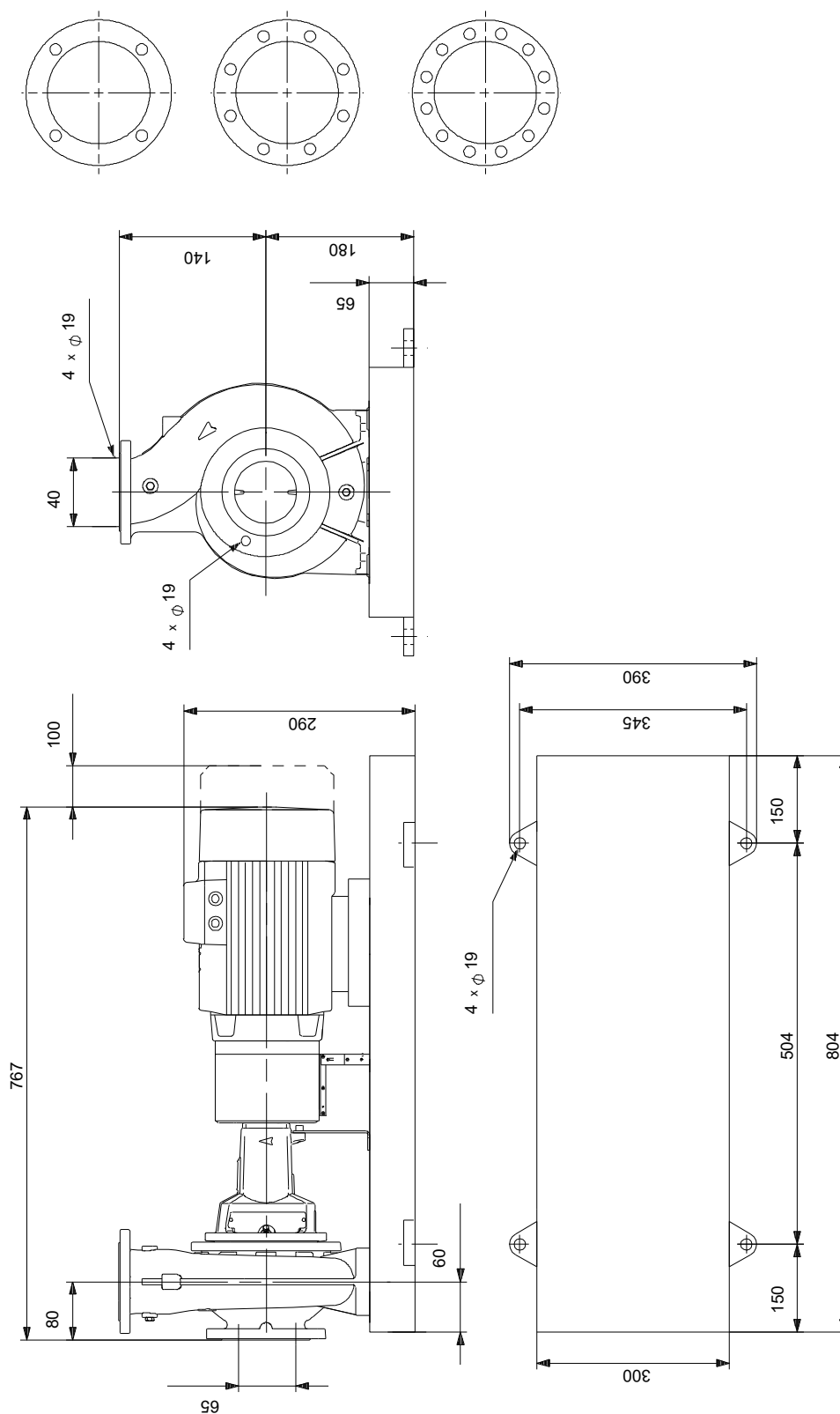


Description	Value
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	99583836
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.66
Net weight:	94 kg
Gross weight:	108 kg
Shipping volume:	0.251 m³
Country of origin:	HU
Custom tariff no.:	84137059

98314841 NK 40-125/105 A1F2AE-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 40-125/105, Product No. 98314841
Produced After 1945 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
	Kit, bearing			96579598	1	pcs
53a	O-ring		Diameter: 71,5		1	
			Material type: EPDM			
			Thickness: 3			
53	Ball bearing				1	
54a	O-ring		Diameter: 71,5		1	
			Material type: EPDM			
			Thickness: 3			
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		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, 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			96848894	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					
89.p	Coupling female				1	
89.o	Connector				1	
89.b	Socket set screw		Length (mm): 8		2	
			Thread: M6			
89.a	Socket set screw		Length (mm): 10		2	
			Thread: M8			
11.a	Parallel key		Dimension: 8X7X40		1	
	Kit, coupling guard			97945046	1	pcs
7b	Hex socket head cap screw		Length (mm): 10		4	
			Thread: M6			
7b	Retainer for coupling guard				1	

Pos	Omschrijving	Opmerking tekst	Classificatie	Gegevens	Onderdeelnr.	Aantal	Eenheid
7	Coupling guard cpl.					1	
7e	Hex socket head cap screw					3	
7c	Spacer f/coupling guard					1	
7	Guard					1	
94	Lock nut	Thread: M6				2	
	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 Thread: M12				1	
90.d	Hex head bolt	Length (mm): 90 Thread: M12				2	
90.d	Hex head screw	Length (mm): 60 Thread: M12				2	
90.d	Hex head screw	Length (mm): 40 Thread: M12				2	
90.c	Foot					1	
	Kit, foot for coupling guard				96848537	1	pcs
7h	Hex head screw	Length (mm): 16 Thread: M8				2	
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				95131708	1	pcs
6	Pump housing					1	
26	Staybolt	Length (mm): 40 Thread: M10				6	
45	Wear ring					1	
20	Pipe plug	Thread: R 3/8				2	
36	Nut	Thread: M10				8	
	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				96810100	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				99606513	1	pcs
	Kit, bearing cpl.				96279794	1	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
111	Ball bearing				1	
154	Ball bearing				1	
157	O-ring		Diameter: 52		1	
			Material type: NBR			
			Thickness: 3			
158	Waved washer				1	
187	Retaining ring				1	
188	Retaining ring				1	
	Kit, end shield			96279789	1	
156a	End shield				1	
157a	Gasket		Internal diameter: 141,2		1	
			Outer diameter: 145,5			
			Thickness: 0,2			
157	O-ring		Diameter: 52		1	
			Material type: NBR			
			Thickness: 3			
158	Waved washer				1	
159a	Seal ring				1	
	Kit, end shield			96279773	1	
154	Flange				1	
159d	Gamma ring				1	
184	Gasket		Internal diameter: 141,2		1	
			Outer diameter: 145,5			
			Thickness: 0,2			
186	Drain plug				2	
	Kit, fan			96279757	1	
156	Fan				1	
159a	Seal ring				1	
	Kit, fan cover			96279755	1	
151	Fan cover				1	
152	Pan head thread forming screw				4	
	Kit, foot			96279785	1	
191	Foot				1	
192	Cross recess countersunk screw				4	
	Kit, key			96279818	1	
171	Parallel key		Dimension: 8X7X40		1	
	Kit, retaining ring			96279798	1	
187	Retaining ring				1	
188	Retaining ring				1	
	Kit, shaft seal			96279761	1	
159c	Seal ring				1	
159a	Seal ring				1	
	Kit, staybolts			96279791	1	
181	Pan head staybolt				4	
	Kit, terminal board			96279769	1	
	Bracket cpl.				1	
163	Hex socket head screw				1	
173a	Base				1	
173	Pan head thread forming screw		Designation: COMBI TORX T25		1	
176	Slot cheese head screw		Designation: COMBI TORX T25		6	
			Length (mm): 10			
			Thread: M5			
176	Terminal				1	
176	Connecting piece				3	
176	Wire clamp				3	
176	Terminal board				1	

Pos	Omschrijving	Opmerking tekst	Classificatie	Gegevens	Onderdeelnr.	Aantal	Eenheid
177	Pan head screw					1	
	Kit, terminal box				96279771	1	
164	Terminal box cover w/gasket					1	
166	Pan head thread forming screw					4	
7k	Hex socket head cap screw		Length (mm): 10		97506946	4	pcs
			Thread: M6				
28	Hex head screw		Length (mm): 25		99522923	1	pcs
			Thread: M12				
36	Nut		Thread: M10		96620484	6	pcs
49	Impeller				98815830	1	pcs
53.b	Spacer ring				96938908	1	pcs
54a	O-ring		Diameter: 71,5		97511807	2	pcs
			Material type: EPDM				
			Thickness: 3				
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