

Inventflow: Grundfos A-partner

Grundfos NK 65-200/198 A2F2AE-SBQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nk/grundfos-nk-65-200-198-a2f2ae-sbqqe>

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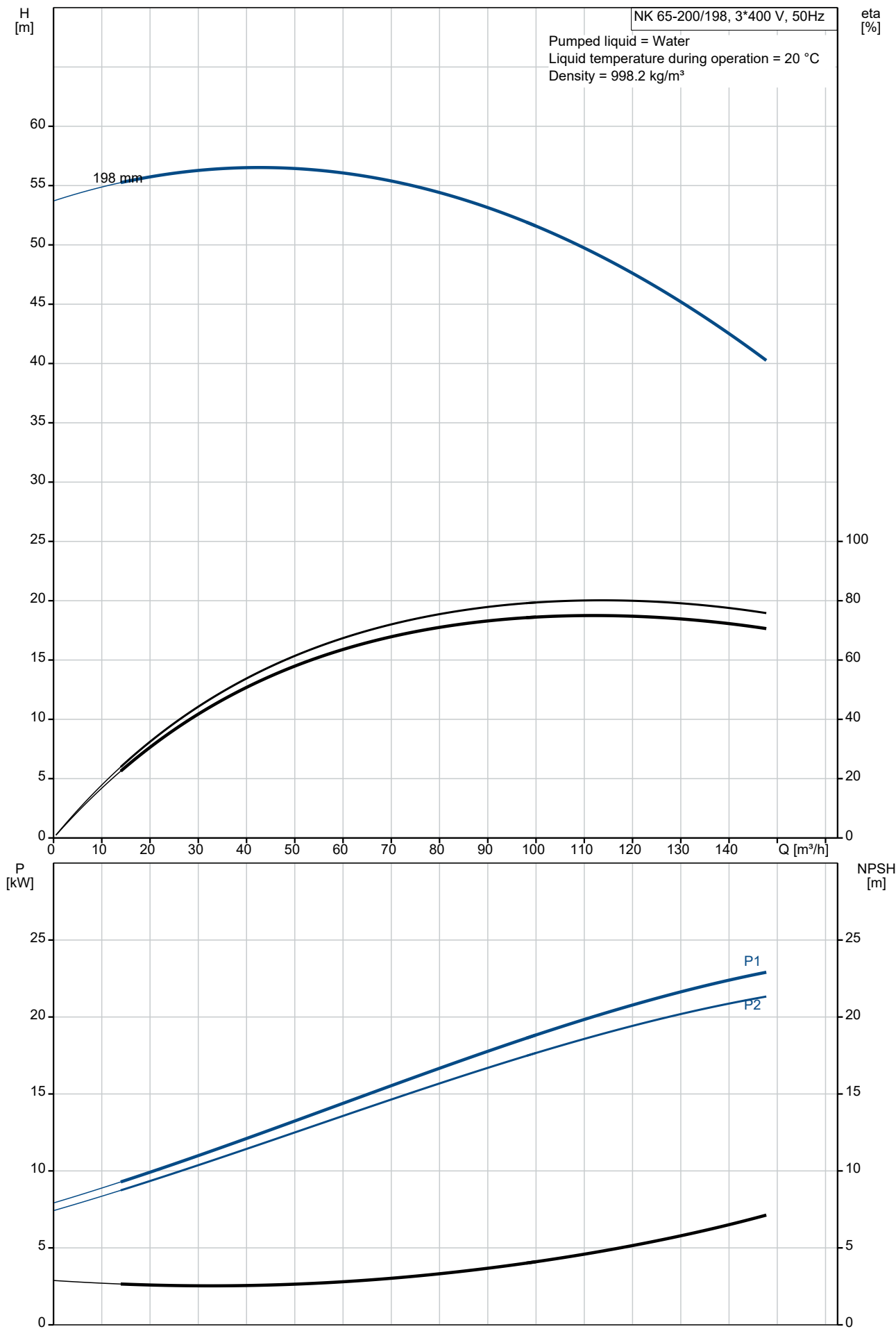
Datasheet



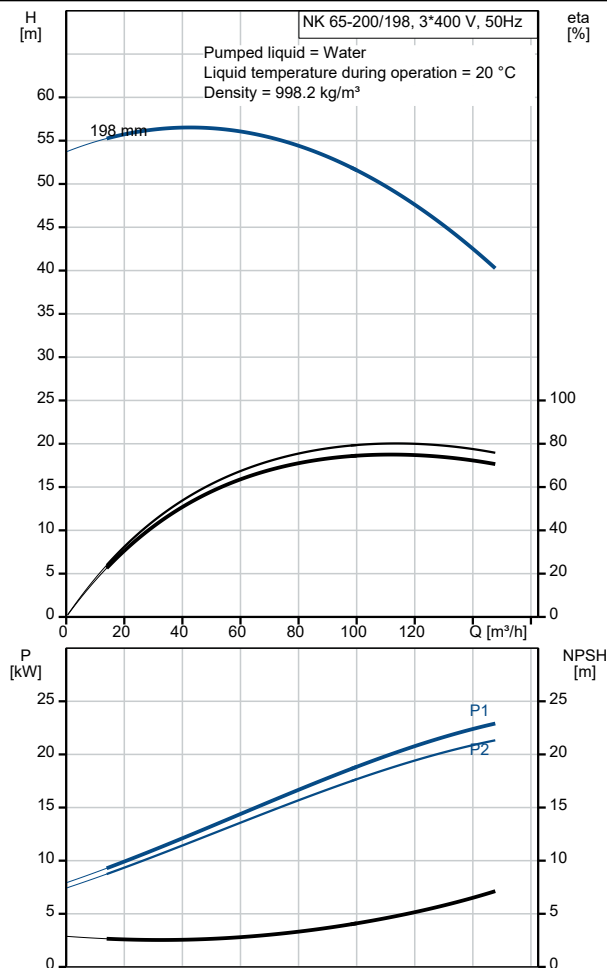
Qty.	Description
1	NK 65-200/198 A2F2AE-SBQQE  Note! Product picture may differ from actual product Product No.: 98724610 Non-self priming, single-stage centrifugal Flange standard: pump according to EN 1092-2. The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive 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: 118 m³/h Pump with motor: Y Rated head: 47.81 m Actual impeller diameter: 198 mm Nominal impeller diameter: 200 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 80 Size of outlet connection: DN 65 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: 265 kg Gross weight: 280 kg Shipping volume: 0.499 m³ Country of origin: HU Custom tariff no.: 84137059

98724610 NK 65-200/198 A2F2AE-SBQQE 50 Hz

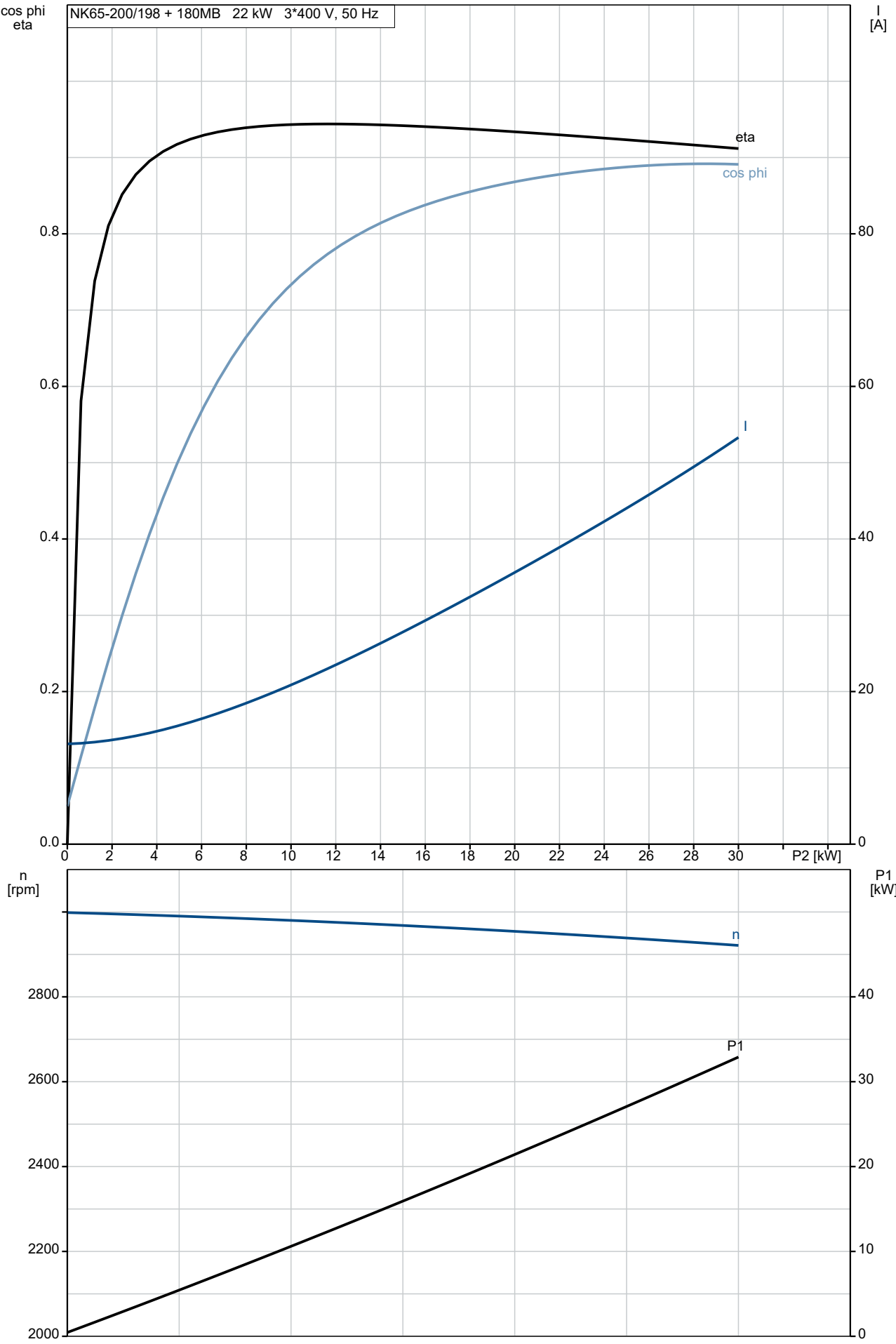


Description	Value
General information:	
Product name:	NK 65-200/198 A2F2AE-SBQQE
Product No:	98724610
EAN number:	5712600500273
Technical:	
Pump speed on which pump data are based:	2950 rpm
Rated flow:	118 m³/h
Pump with motor:	Y
Rated head:	47.81 m
Actual impeller diameter:	198 mm
Nominal impeller diameter:	200
Shaft diameter:	24 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 80
Size of outlet connection:	DN 65
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 %

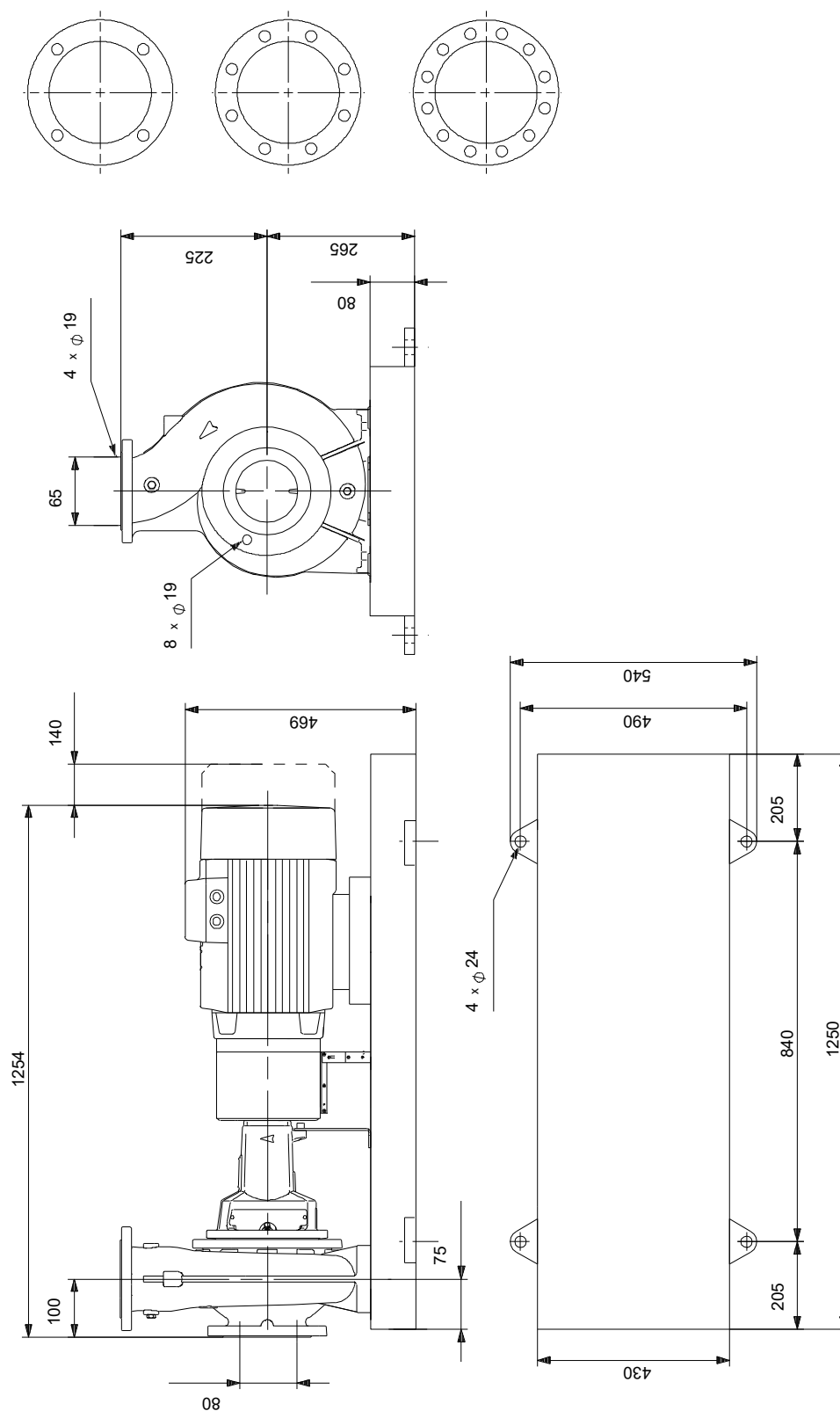


Description	Value
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	87470022
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	265 kg
Gross weight:	280 kg
Shipping volume:	0.499 m³
Country of origin:	HU
Custom tariff no.:	84137059

98724610 NK 65-200/198 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 65-200/198, Product No. 98724610
Produced After 1101 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aanta	Eenhei
	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, coupling			96579755	1	pcs
8	Coupling cpl.				1	
89r	Spacer sleeve				1	
89.s	Spacer ring				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	
11.a	Parallel key		Dimension: 8X7X40		1	
	Kit, coupling guard			97907626	1	pcs
7.b	Retainer				1	
7	Coupling guard cpl.				1	
186	Hex socket head cap screw		Length (mm): 10		4	
			Thread: M6			
	Kit, cover			95131802	1	pcs
18	Plug				1	
36	Nut		Thread: M10		8	
36	Nut		Thread: M10		6	
77	Cover f/mech. seal				1	
	Kit, foot for bearing bracket			96909162	1	pcs
	Nut		Thread: M12		2	
66	Washer				2	
90c	Foot				1	
90.e	Hex head screw		Length (mm): 25		1	
			Thread: M12			
90.d	Hex head bolt		Length (mm): 100		2	
			Thread: M12			
90.d	Hex head bolt		Length (mm): 80		2	
			Thread: M12			
90.d	Hex head bolt		Length (mm): 55		2	
			Thread: M12			

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aanta	Eenhei
90.d	Hex socket head cap screw				2	
90.d	Hex head screw		Length (mm): 35MM		2	
			Thread: M12			
90.d	Hex head screw		Length (mm): 30		2	
			Thread: M12			
	Kit, foot for coupling guard			96848498	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	
	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			95131724	1	pcs
6	Pump housing				1	
26	Staybolt		Length (mm): 35		8	
			Thread: M10			
45	Wear ring				1	
20	Pipe plug		Thread: R 3/8		2	
36	Nut		Thread: M10		8	
	Kit, rubber blocks f. coupling			96480017	1	pcs
89	Rubber blocks for coupling				6	
	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			96810141	1	pcs
45	Wear ring				1	
	Spare, wear ring			96939585	1	pcs
45	Wear ring				1	
	V-ring			96591314	1	pcs
159a	V-ring				1	
	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	
28	Hex head screw			Length (mm): 50 MM	96620477	4	pcs

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aanta	Eenhei
28	Hex head screw		Thread: M12 Length (mm): 25	99522923	1	pcs
36	Nut		Thread: M12	96620484	6	pcs
49	Impeller		Thread: M10	98296639	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
72.a	O-ring		Diameter: 221,84 Material type: EPDM Thickness: 3,53	92547617	1	pcs
72.a	O-ring		Diameter: 221,84 Material type: EPDM Thickness: 3,53	97511825	1	pcs
72.a	O-ring		Diameter: 221,84 Material type: EPDM Thickness: 3,53	97757671	1	pcs
77a	Pan head screw			99266550	4	pcs
89	Rubber blocks for coupling			96591290	6	pcs
156a	Bearing cover			97506936	2	pcs
186	Hex socket head cap screw		Length (mm): 10 Thread: M6	97506946	4	pcs