

Inventflow: Grundfos A-partner

Grundfos NB 50-200/210 AF2ABQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nb/grundfos-nb-50-200-210-af2abqqe>

Contact

info@inventflow.nl

+31 (0) 546 45 80 72

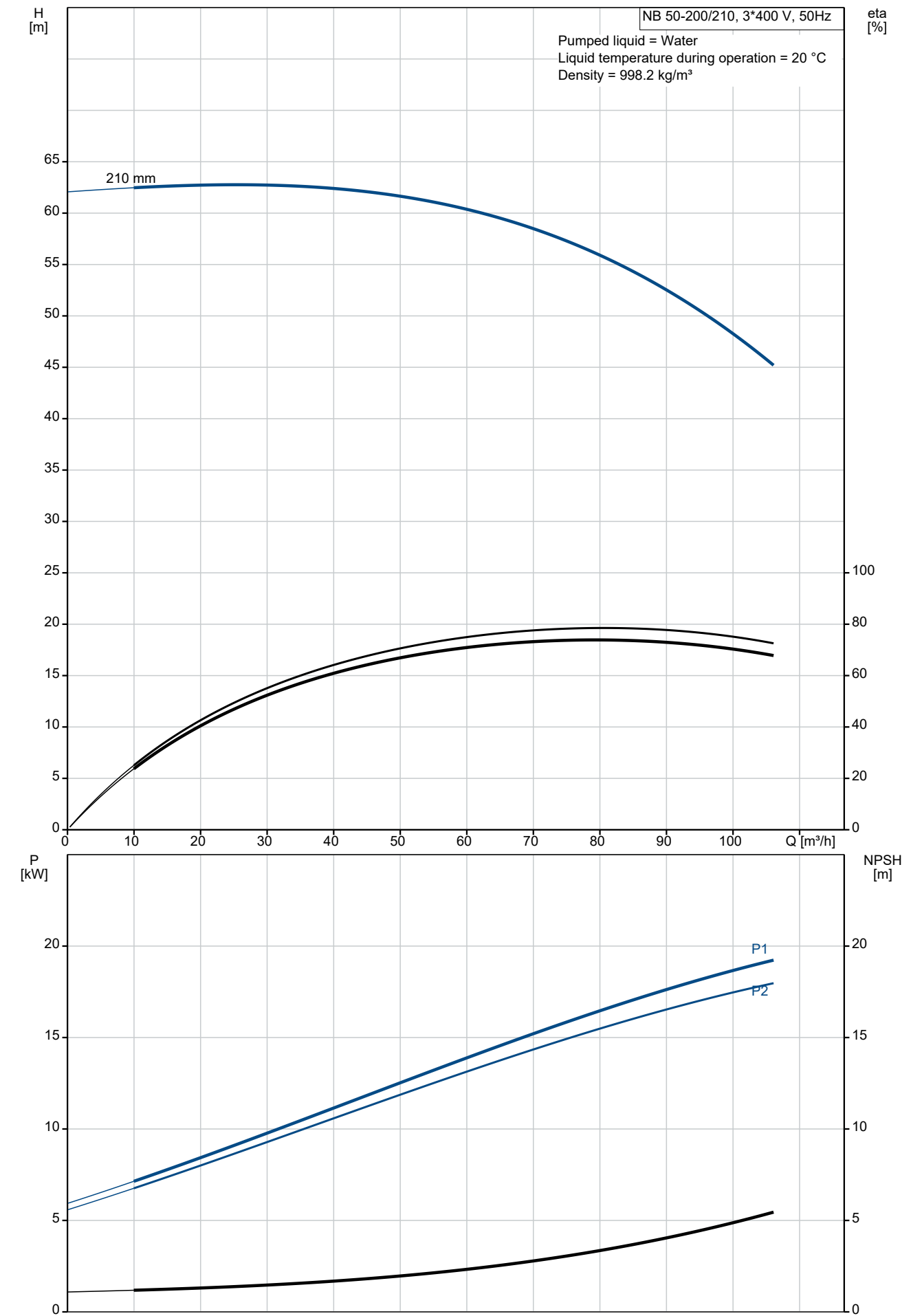
Datasheet



Qty.	Description
1	NB 50-200/210 AF2ABQQE  Product No.: 98354127 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. The pump is directly coupled with an Phase: IEC-flanged 3-phase AC motor. 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: 2940 rpm Rated flow: 88.61 m³/h Rated head: 52.62 m Actual impeller diameter: 210 mm Nominal impeller diameter: 200 Shaft seal arrangement: Single 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

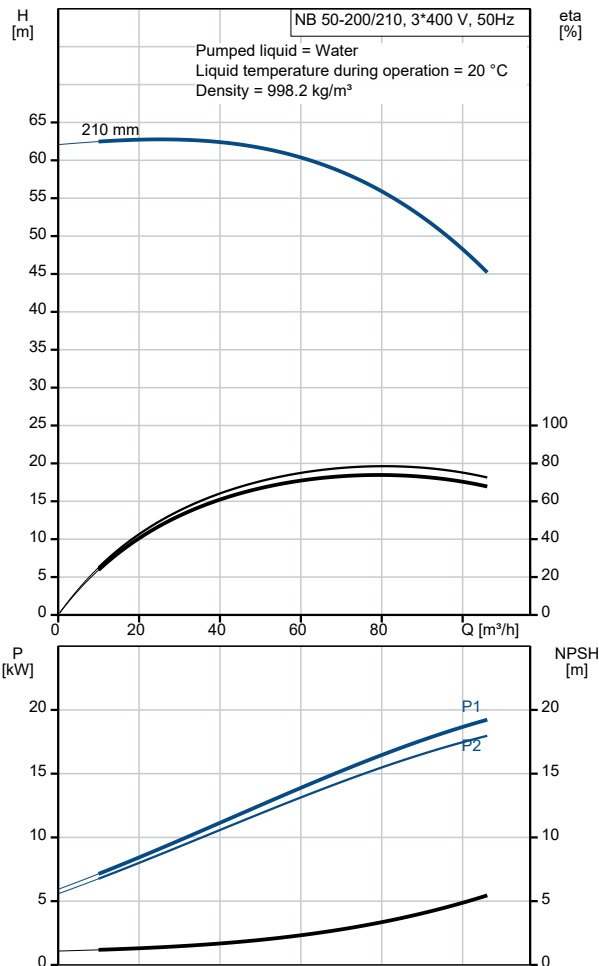
Qty.	Description
	EN-GJL-200 ASTM class 30 Shaft: Stainless steel EN 1.4301 AISI 304 Internal pump house coating: CED Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 65 Size of outlet connection: DN 50 Pressure rating for connection: PN 16 Bearing lubrication: Grease Pump housing with feet: No Support block: N Electrical data: Motor type: 160LB IE Efficiency class: IE3 Rated power - P2: 18.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y V Rated current: 34,5-32,5/20,0-18,8 A Starting current: 830-980 % Cos phi - power factor: 0.89-0.85 Rated speed: 2940-2950 rpm Efficiency: IE3 92,4% Motor efficiency at full load: 92.4 % Motor efficiency at 3/4 load: 93.2 % Motor efficiency at 1/2 load: 93.2 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 87420030 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 163 kg Gross weight: 188 kg Shipping volume: 0.707 m³ Country of origin: HU Custom tariff no.: 84137051

98354127 NB 50-200/210 AF2ABQQE 50 Hz



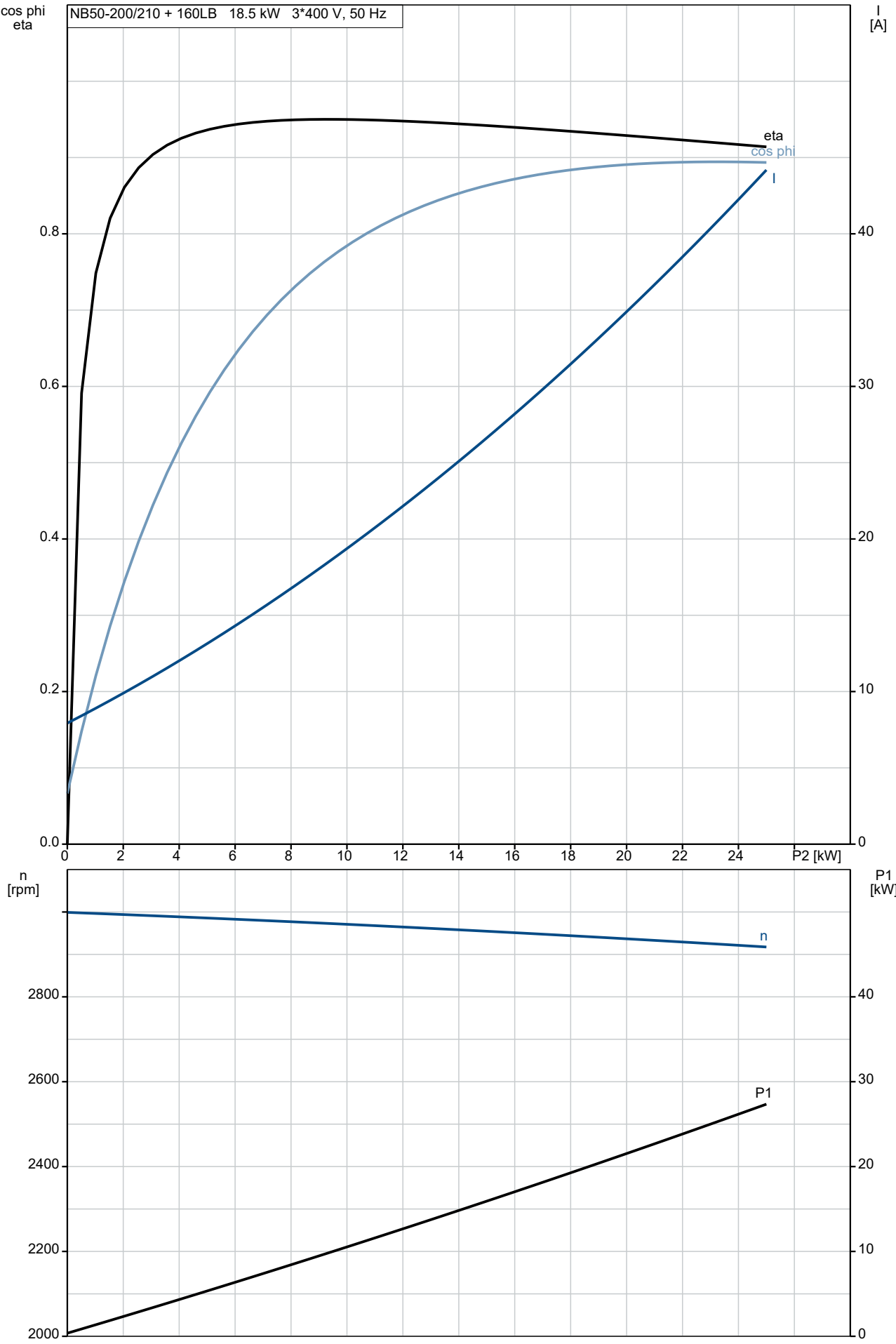
Description	Value		
General information:			
Product name:	NB 50-200/210 AF2ABQQE		
Product No:	98354127		
EAN number:	5711493526452		
Technical:			
Pump speed on which pump data are based:	2940 rpm		
Rated flow:	88.61 m³/h		
Rated head:	52.62 m		
Actual impeller diameter:	210 mm		
Nominal impeller diameter:	200		
Shaft seal arrangement:	Single		
Shaft diameter:	24 mm		
Code for shaft seal:	BQQE		
Curve tolerance:	ISO9906:2012 3B		
Pump version:	A		
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		
Size of inlet connection:	DN 65		
Size of outlet connection:	DN 50		
Pressure rating for connection:	PN 16		
Bearing lubrication:	Grease		
Pump housing with feet:	No		
Support block:	N		
Connect code:	F2		
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	-25 .. 120 °C		
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m³		
Electrical data:			
Motor type:	160LB		
IE Efficiency class:	IE3		
Rated power - P2:	18.5 kW		
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-415D/660-690Y V		
Rated current:	34,5-32,5/20,0-18,8 A		
Starting current:	830-980 %		
Cos phi - power factor:	0.89-0.85		
Rated speed:	2940-2950 rpm		
Efficiency:	IE3 92,4%		
Motor efficiency at full load:	92.4 %		
Motor efficiency at 3/4 load:	93.2 %		
Motor efficiency at 1/2 load:	93.2 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		

</

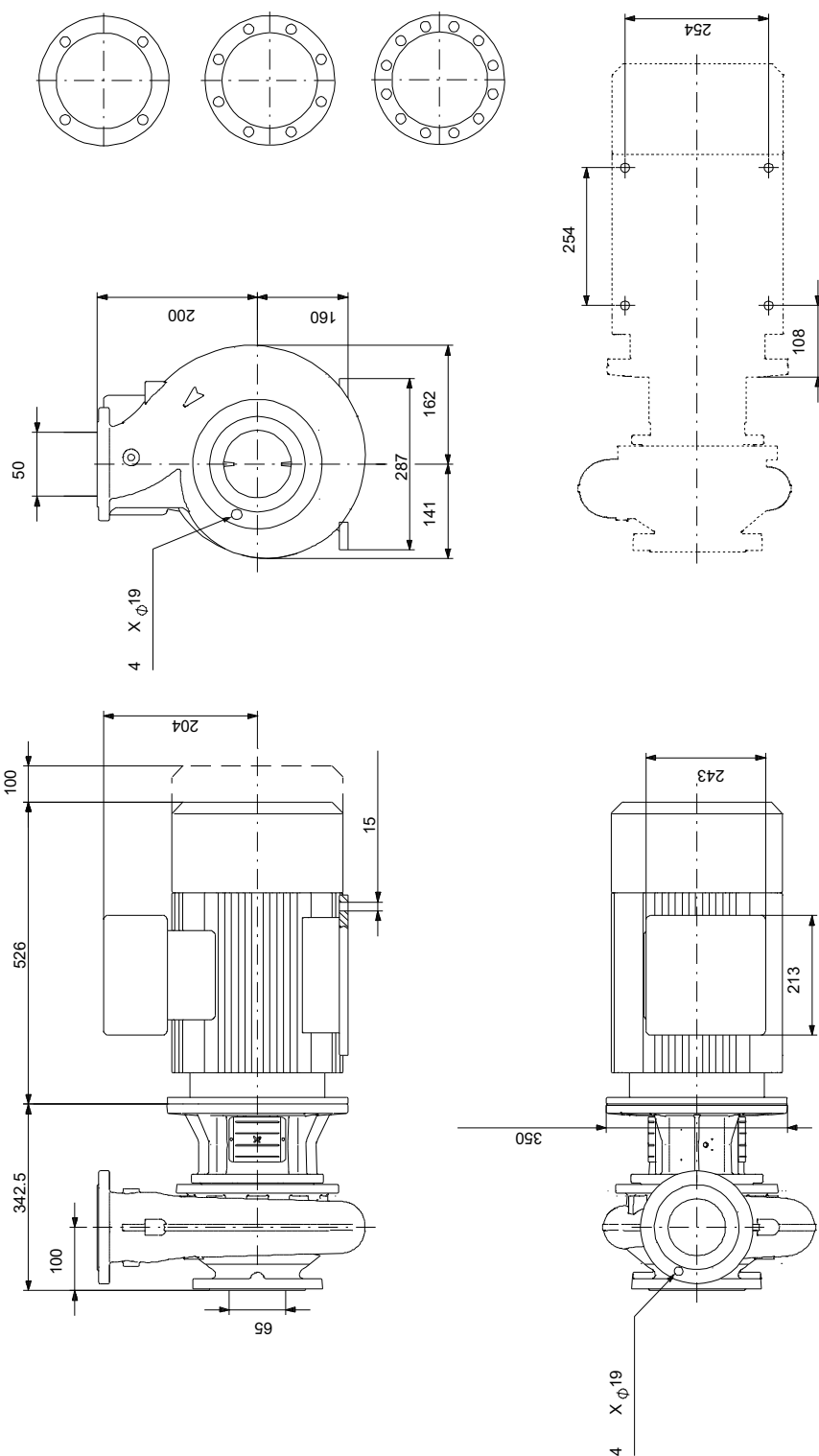


Description	Value
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	87420030
Mount. design. acc. IEC 34-7:	IM B35
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	163 kg
Gross weight:	188 kg
Shipping volume:	0.707 m ³
Country of origin:	HU
Custom tariff no.:	84137051

98354127 NB 50-200/210 AF2ABQQE 50 Hz



98354127 NB 50-200/210 AF2ABQQE 50 Hz



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

Spare parts NB 50-200/210, Product No. 98354127
Produced After 2101 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Bulk, Nut			92514630	1	pcs
67	Nut		Thread: M14		5	
-	Bulk, o-ring			92547617	1	pcs
72.a	O-ring		Diameter: 221,84 Material type: EPDM Thickness: 3,53		5	
-	Bulk, Plug vent			96620482	1	pcs
18	Plug				5	
-	Bulk, Shaft seal			99380916	1	pcs
105	Shaft seal				5	
-	Kit, coupling guard			96809946	1	pcs
7a	Pan head screw				4	
7	Coupling guard				2	
-	Kit, motor stool			98990913	1	pcs
1a	Motor stool				1	
7	Coupling guard				2	
18	Plug				1	
28	Hex head screw				4	
36	Hex nut		Thread: M16		4	
36	Nut		Thread: M10		8	
76a	Rivet				2	
77a	Pan head screw				4	
-	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			95131718	1	pcs
-	6 Pump housing				1	
26	Staybolt		Length (mm): 35 Thread: M10		8	
45b	Wear ring				1	
20	Pipe plug		Thread: R 3/8		2	
36	Nut		Thread: M10		8	
-	Kit, stub shaft			96039354	1	pcs
9	Socket set screw		Length (mm): 10 Thread: M8		2	
11	Parallel key		Dimension: 6X6X35		1	
51	Pump shaft				1	
66a	Spring lock washer				1	
66	Washer				1	
67	Nut		Thread: M14		1	
+	Spare, O-ring			97757671	1	pcs
-	Spare, plug vent			98164277	1	pcs
18	Plug				1	
-	Spare, shaft seal			98434904	1	pcs
105	Shaft seal				1	
-	Spare, wear ring			99208819	1	pcs
45	Wear ring				1	
-	Motor				1	pcs
-	Kit, bearing cpl.			96796674	1	
32b	Waved washer				1	
111	Ball bearing				1	
154	Ball bearing				1	
157	O-ring				1	
-	Kit, bearing plate			96796664	1	
155.a	Bearing cover				1	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
208a	Gasket				3	
208	Hex socket head cap screw		Designation: DIN912		3	
			Length (mm): 40			
			Thread: M5			
-	Kit, eyebolt			96796712	1	
189	Eyebolt				2	
-	Kit, fan			96796648	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, flange			96796662	1	
156.b	Flange				1	
159.b	Seal ring				1	
185.b	Nut				4	
185	Hex socket head cap screw				4	
186	Drain plug				4	
195.a	Grease nipple				1	
-	Kit, foot			96796665	1	
191	Foot				2	
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			96279873	1	
40	Parallel key		Designation: DS96 DIN 6885		1	
			Dimension: 12X8X90			
-	Kit, lubrication nipple			96796671	1	
195.b	Grease nipple				2	
195.a	Grease nipple				1	
-	Kit, ND-end shield cpl.			96796669	1	
32b	Waved washer				1	
156.a	End shield NDE				1	
157	O-ring				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			96843459	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	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
177	Torx Screw					1
-	Kit, terminal box cover			96796659	1	
164	Terminal box cover					1
273a	Pan head thread forming screw					4
49	Impeller		Outer diameter: 210	98296614	1	pcs