

Inventflow: Grundfos A-partner

Grundfos NB 50-315/277 AF2ABQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nb/grundfos-nb-50-315-277-af2abqqe>

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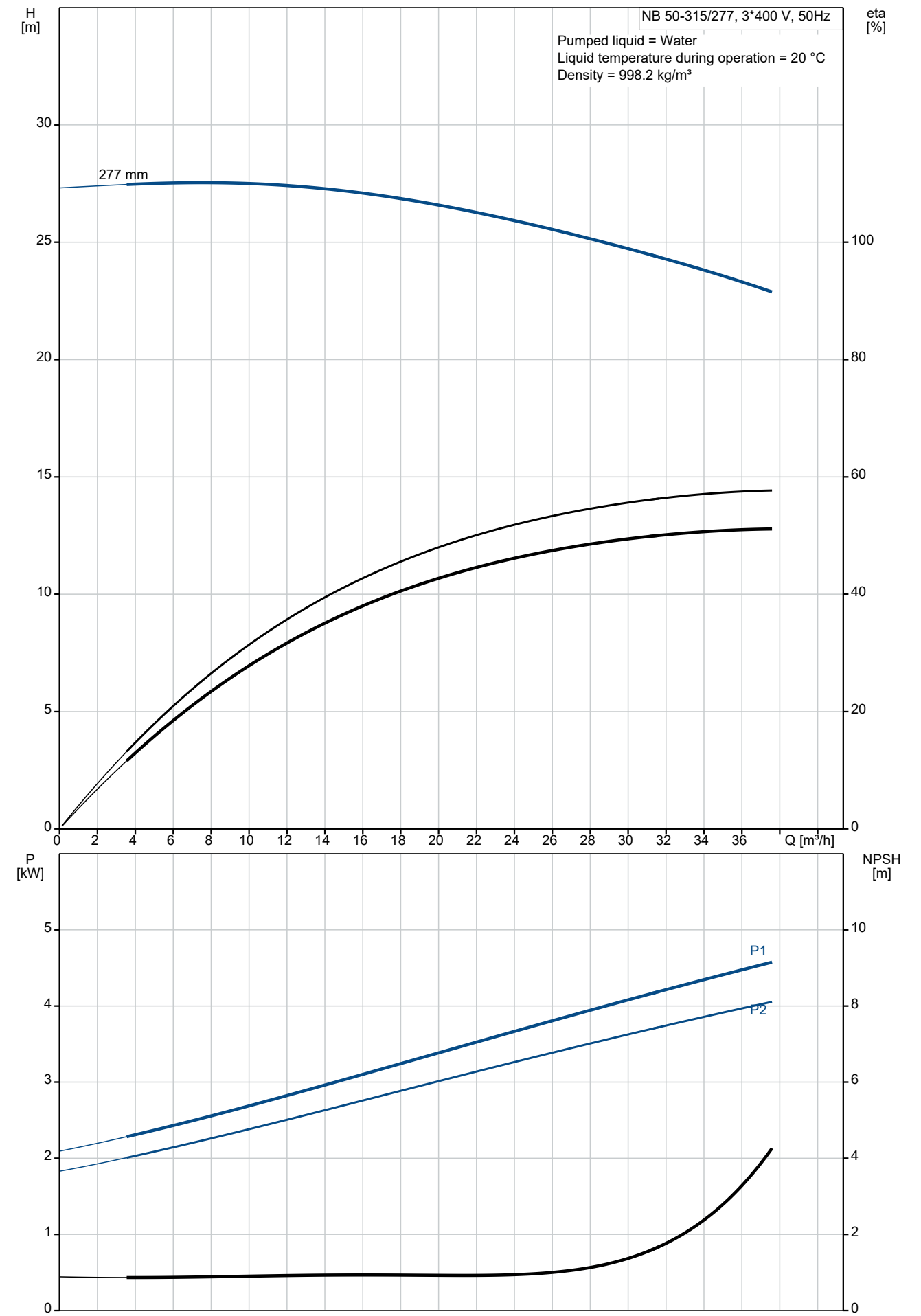
Datasheet



Qty.	Description
1	NB 50-315/277 AF2ABQQE  Product No.: 98911732 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: 1460 rpm Rated flow: 37.46 m³/h Rated head: 22.71 m Actual impeller diameter: 277 mm Nominal impeller diameter: 315 Shaft seal arrangement: Single 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

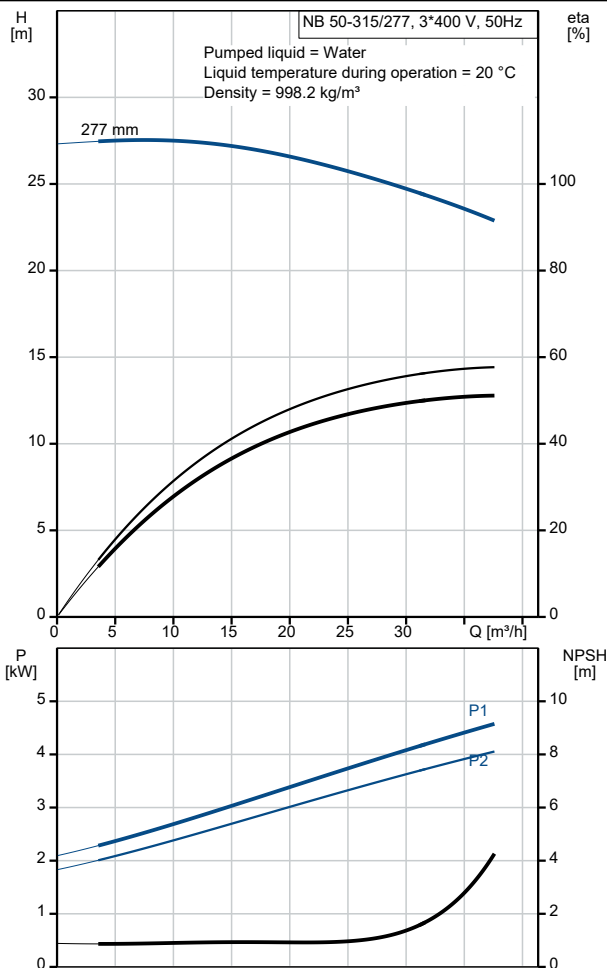
Qty.	Description
	EN-GJL-200 ASTM class 30 Shaft: Stainless steel EN 1.4301 AISI 304 Internal pump house coating: CED Installation: Maximum ambient temperature: 55 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 65 Size of outlet connection: DN 50 Pressure rating for connection: PN 16 Bearing lubrication: Grease Pump housing with feet: Yes Support block: N Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 4 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 8,3-7,51/4,83-4,37 A Starting current: 710-710 % Cos phi - power factor: 0.82 Rated speed: 1460 rpm Efficiency: IE3 88,6% Motor efficiency at full load: 88.6-88.6 % Motor efficiency at 3/4 load: 89.2-89.2 % Motor efficiency at 1/2 load: 88.6-88.6 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 83V15213 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 124 kg Gross weight: 143 kg Shipping volume: 0.383 m³ Country of origin: HU Custom tariff no.: 84137051

98911732 NB 50-315/277 AF2ABQQE 50 Hz



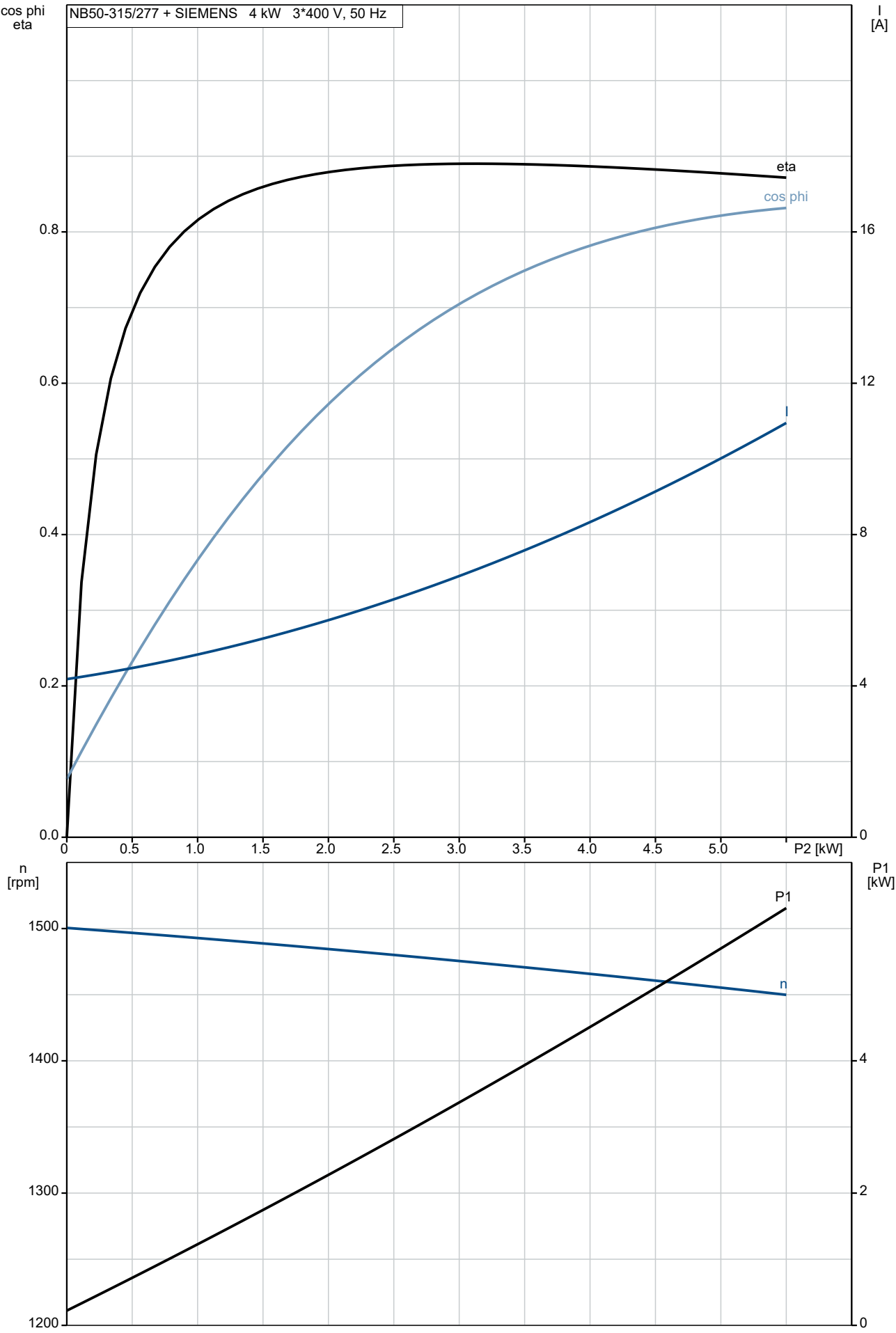
Description	Value		
General information:			
Product name:	NB 50-315/277 AF2ABQQE		
Product No:	98911732		
EAN number:	5712603443300		
Technical:			
Pump speed on which pump data are based:	1460 rpm		
Rated flow:	37.46 m³/h		
Rated head:	22.71 m		
Actual impeller diameter:	277 mm		
Nominal impeller diameter:	315		
Shaft seal arrangement:	Single		
Shaft diameter:	32 mm		
Code for shaft seal:	BQQE		
Curve tolerance:	ISO9906:2012 3B2		
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:	55 °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:	Yes		
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:	SIEMENS		
IE Efficiency class:	IE3		
Rated power - P2:	4 kW		
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-420D/660-725Y V		
Rated current:	8,3-7,51/4,83-4,37 A		
Starting current:	710-710 %		
Cos phi - power factor:	0.82		
Rated speed:	1460 rpm		
Efficiency:	IE3 88,6%		
Motor efficiency at full load:	88.6-88.6 %		
Motor efficiency at 3/4 load:	89.2-89.2 %		
Motor efficiency at 1/2 load:	88.6-88.6 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		

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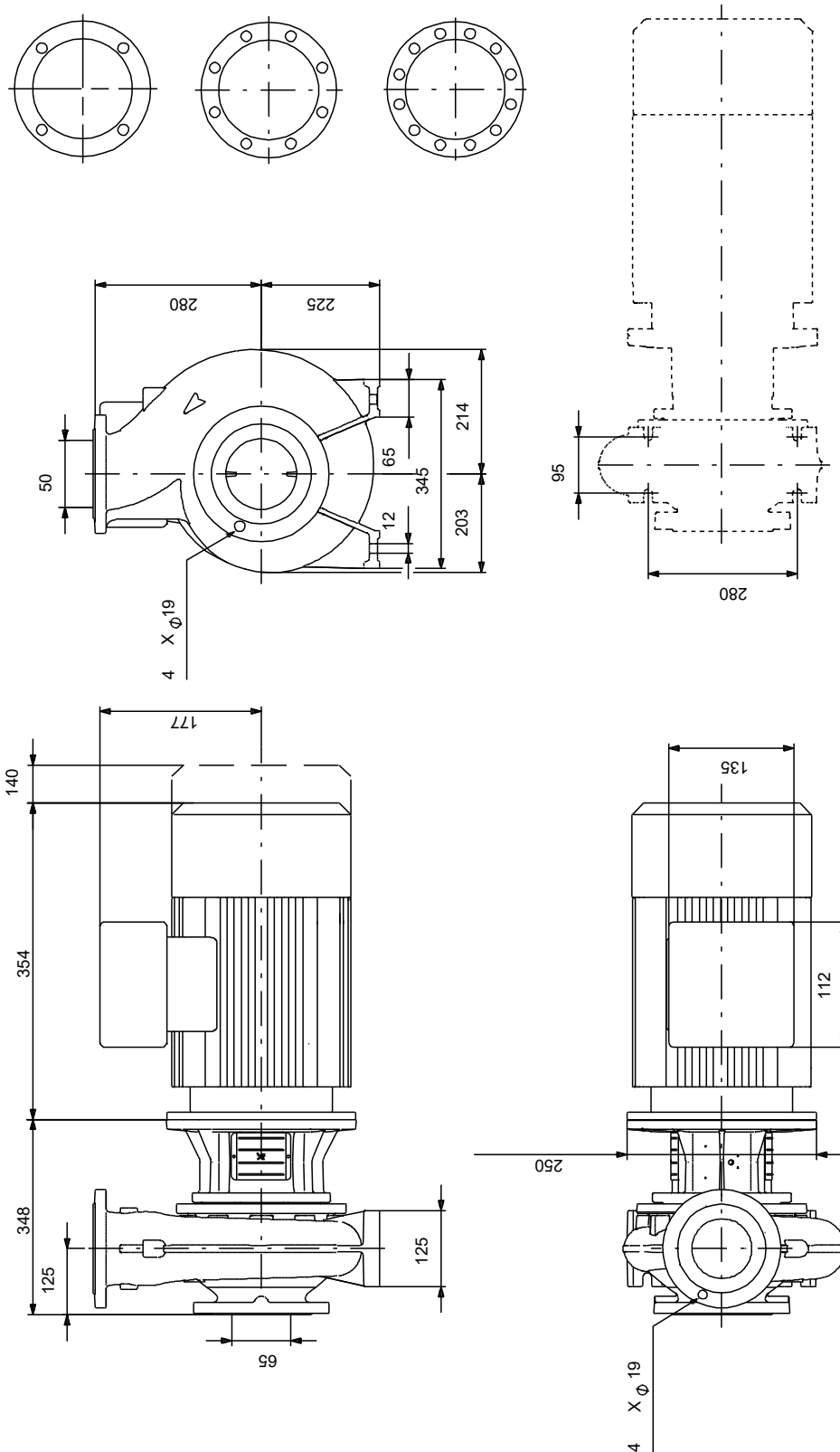


Description	Value
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	83V15213
Mount. design. acc. IEC 34-7:	IM V1
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	124 kg
Gross weight:	143 kg
Shipping volume:	0.383 m ³
Country of origin:	HU
Custom tariff no.:	84137051

98911732 NB 50-315/277 AF2ABQQE 50 Hz



98911732 NB 50-315/277 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 50-315/277, Product No. 98911732
Produced After 2101 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Bulk, Nut			92514631	1	pcs
67	Nut		Thread: M18		5	
-	Bulk, o-ring			92547632	1	pcs
72a	O-ring		Diameter: 329,79		5	
			Material type: EPDM			
			Thickness: 3,53			
-	Bulk, Plug vent			96620482	1	pcs
18	Plug				5	
-	Bulk, Shaft seal			92514302	1	pcs
105	Shaft seal				5	
-	Kit, coupling guard			96591145	1	pcs
7a	Pan head screw				4	
7	Coupling guard				2	
-	Kit, cover			98990970	1	pcs
18	Plug				1	
36	Nut		Thread: M12		14	
36	Nut		Thread: M10		8	
77	Cover				1	
-	Kit, motor stool			96942545	1	pcs
1a	Motor stool				1	
7	Coupling guard				2	
28	Hex head screw		Length (mm): 45 MM		4	
			Thread: M12			
36	Nut		Thread: M12		4	
36	Nut		Thread: M10		8	
76a	Rivet				2	
77a	Pan head screw				4	
-	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			96930829	1	pcs
6	Pump housing				1	
20	Plug				2	
36	Nut		Thread: M12		14	
-	Kit, stub shaft			99248514	1	pcs
9	Socket set screw		Length (mm): 6		2	
			Thread: M8			
11	Parallel key				1	
51	Stub shaft				1	
66a	Spring lock washer				1	
66	Washer		Designation: DIN 125 A2		1	
			Internal diameter: 19			
			Outer diameter: 34			
			Thickness: 3			
67	Nut		Thread: M18		1	
+	Spare, O-ring			97757675	1	pcs
-	Spare, plug vent			98164277	1	pcs
18	Plug				1	
-	Spare, shaft seal			98434906	1	pcs
105	Shaft seal				1	
-	Spare, spacer for shaft seal			96591277	1	pcs
105b	Spacer				1	
-	Spare, wear ring			99208818	1	pcs
45	Wear ring				1	
-	Motor				1	pcs
156	Spare, motor fan			98507834	1	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
151	Spare, motor fan cover			98490187	1	
176	Spare, Terminal board			98505508	1	
164a	Spare, Terminal box			98505698	1	
49	Impeller			99056442	1	pcs