

Inventflow: Grundfos A-partner

Grundfos NB 80-315/305 AF2ABQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nb/grundfos-nb-80-315-305-af2abqqe>

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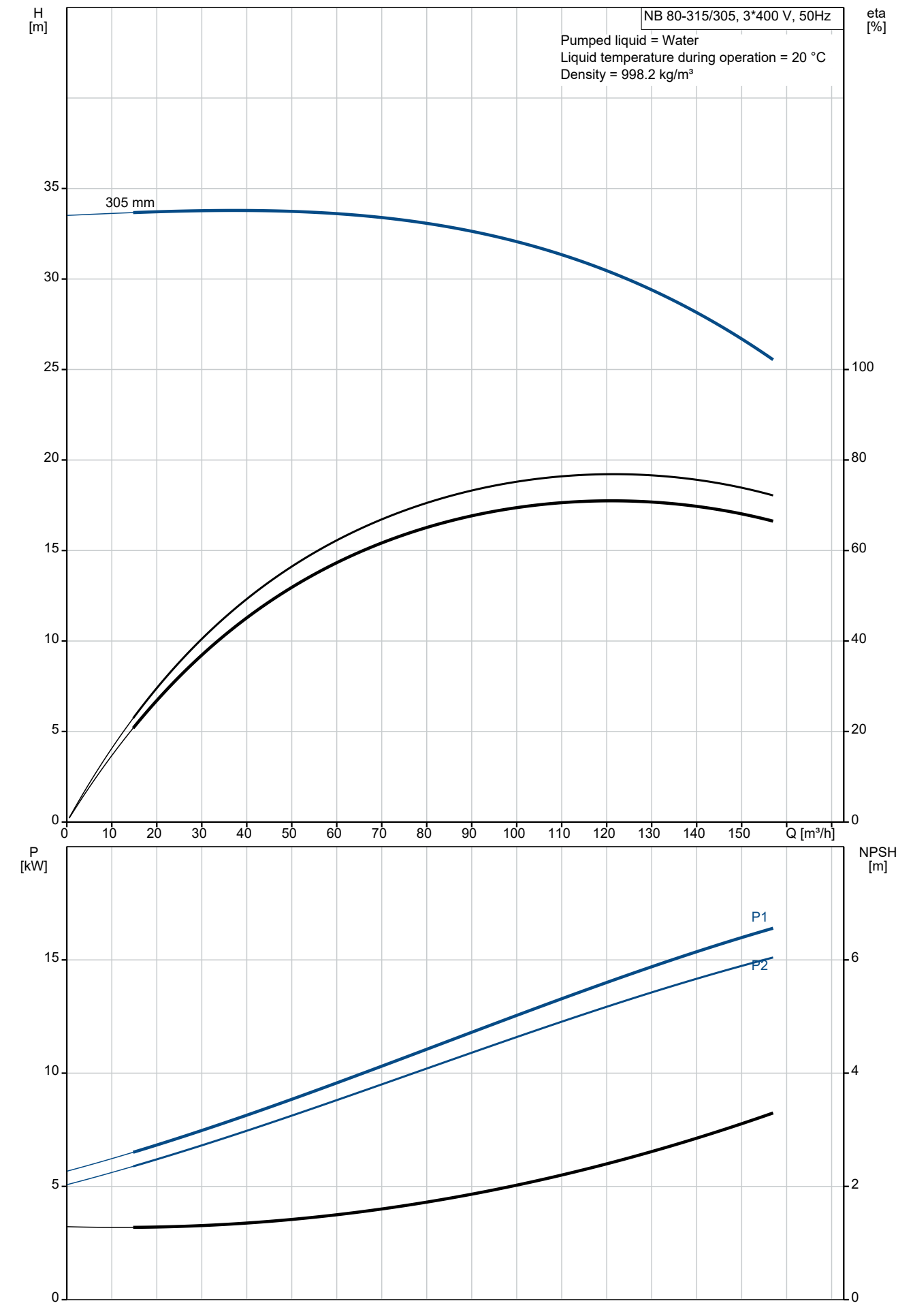
Datasheet



Qty.	Description
1	NB 80-315/305 AF2ABQQE  Product No.: 98596871 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: 1475 rpm Rated flow: 126.2 m³/h Rated head: 29.6 m Actual impeller diameter: 305 mm Nominal impeller diameter: 315 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

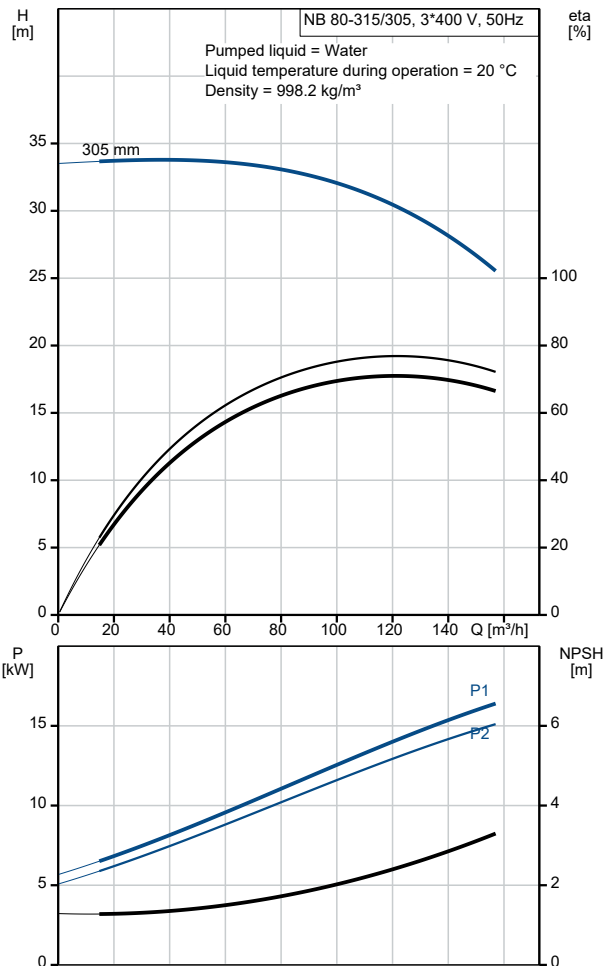
Qty.	Description
	EN-GJL-200 ASTM class 30 Shaft: Stainless steel EN 1.4301 AISI 304 Internal pump house coating: CED Installation: Maximum ambient temperature: 55 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 100 Size of outlet connection: DN 80 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: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 29,93-27,1/17,4-15,8 A Starting current: 850-850 % Cos phi - power factor: 0.82 Rated speed: 1475 rpm Efficiency: IE3 92,1% Motor efficiency at full load: 92.1-92.1 % Motor efficiency at 3/4 load: 92.3-92.3 % Motor efficiency at 1/2 load: 91.5-91.5 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99032190 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 207 kg Gross weight: 239 kg Shipping volume: 0.951 m³ Country of origin: HU Custom tariff no.: 84137051

98596871 NB 80-315/305 AF2ABQQE 50 Hz



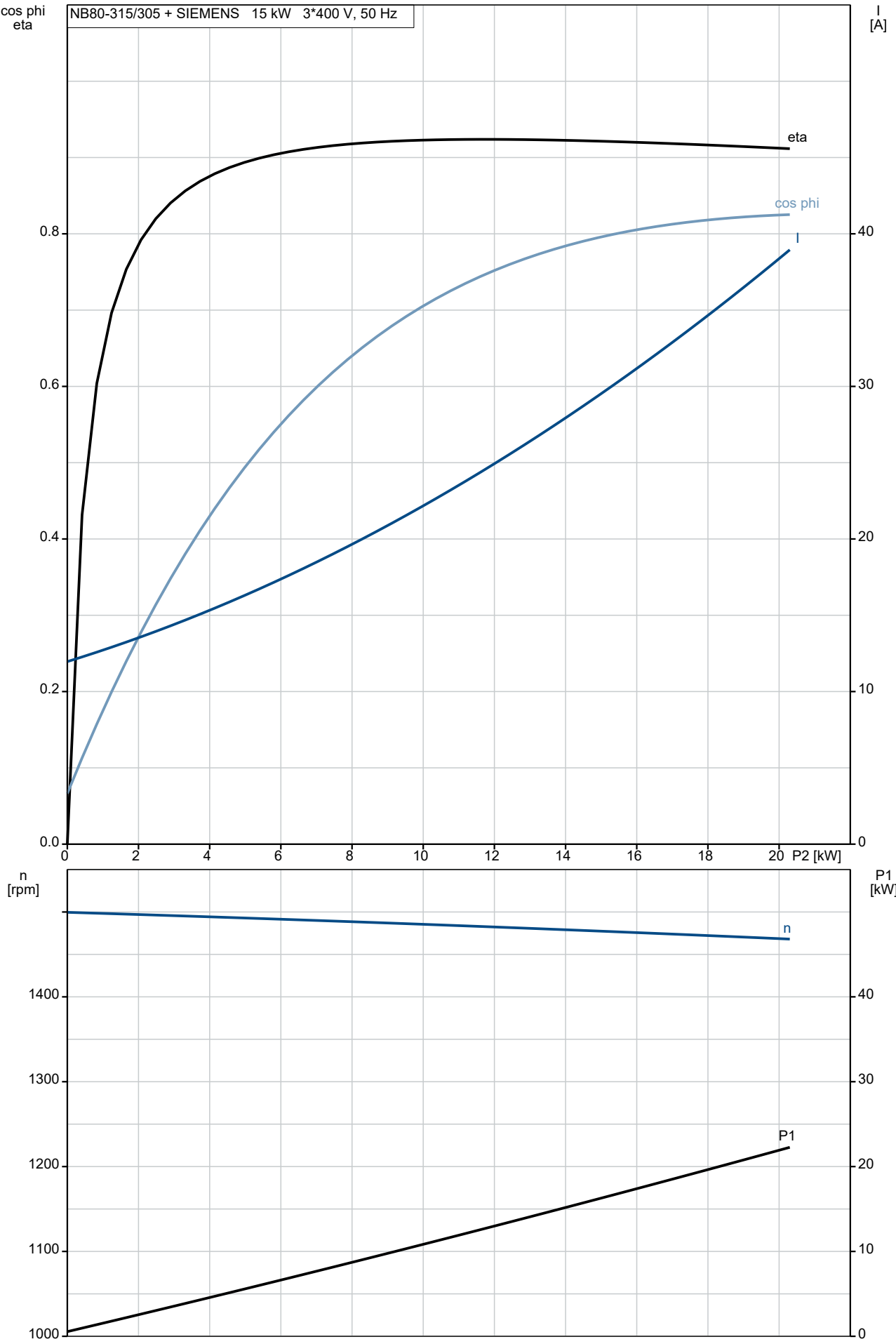
Description	Value
General information:	
Product name:	NB 80-315/305 AF2ABQQE
Product No:	98596871
EAN number:	5711497916051
Technical:	
Pump speed on which pump data are based:	1475 rpm
Rated flow:	126.2 m³/h
Rated head:	29.6 m
Actual impeller diameter:	305 mm
Nominal impeller diameter:	315
Shaft seal arrangement:	Single
Shaft diameter:	32 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:	55 °C
Maximum operating pressure:	16 bar
Pipe connection standard:	EN 1092-2
Size of inlet connection:	DN 100
Size of outlet connection:	DN 80
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:	15 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	29,93-27,1/17,4-15,8 A
Starting current:	850-850 %
Cos phi - power factor:	0.82
Rated speed:	1475 rpm
Efficiency:	IE3 92,1%
Motor efficiency at full load:	92.1-92.1 %
Motor efficiency at 3/4 load:	92.3-92.3 %
Motor efficiency at 1/2 load:	91.5-91.5 %
Number of poles:	4
Enclosure class (IEC 34-5):	IP55

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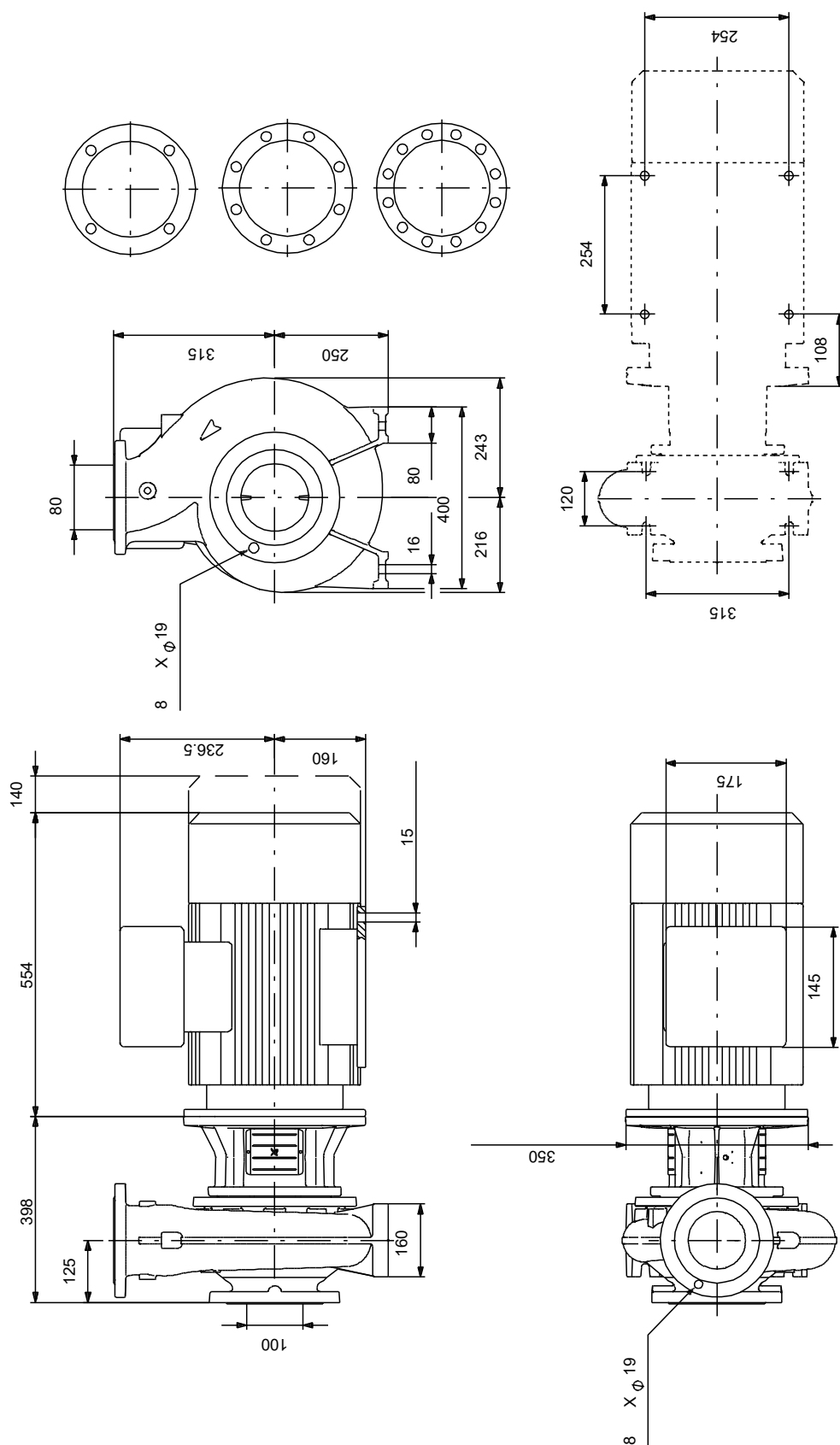


Description	Value
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	99032190
Mount. design. acc. IEC 34-7:	IM B35
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	207 kg
Gross weight:	239 kg
Shipping volume:	0.951 m ³
Country of origin:	HU
Custom tariff no.:	84137051

98596871 NB 80-315/305 AF2ABQQE 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 NB 80-315/305, Product No. 98596871
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			96809946	1	pcs
7a	Pan head screw				4	
7	Coupling guard				2	
-	Kit, motor stool			99297305	1	pcs
	Motor stool				1	
7	Coupling guard				2	
18	Plug				1	
28	Hex head screw				4	
36	Hex nut		Thread: M16		4	
36	Nut		Thread: M12		14	
76a	Rivet				2	
77a	Cross recess 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			95131732	1	pcs
-	6 Pump housing				1	
26	Staybolt		Length (mm): 40		14	
			Thread: M12			
45	Wear ring				1	
20	Pipe plug		Thread: R 3/8		2	
36	Nut		Thread: M12		14	
-	Kit, stub shaft			96039359	1	pcs
9	Socket set screw		Length (mm): 10		2	
			Thread: M8			
11	Parallel key				1	
51	Pump shaft				1	
66a	Spring lock washer				1	
66	Washer				1	
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			99208810	1	pcs
45	Wear ring				1	
-	Motor				1	pcs
156	Spare, motor fan			98507837	1	
151	Spare, motor fan cover			98507838	1	
176	Spare, Terminal board			98505488	1	
164a	Spare, Terminal box			98505713	1	
49	Impeller			98296690	1	pcs