

Inventflow: Grundfos A-partner

Grundfos NB 100-315/301 AF2ABQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nb/grundfos-nb-100-315-301-af2abqqe>

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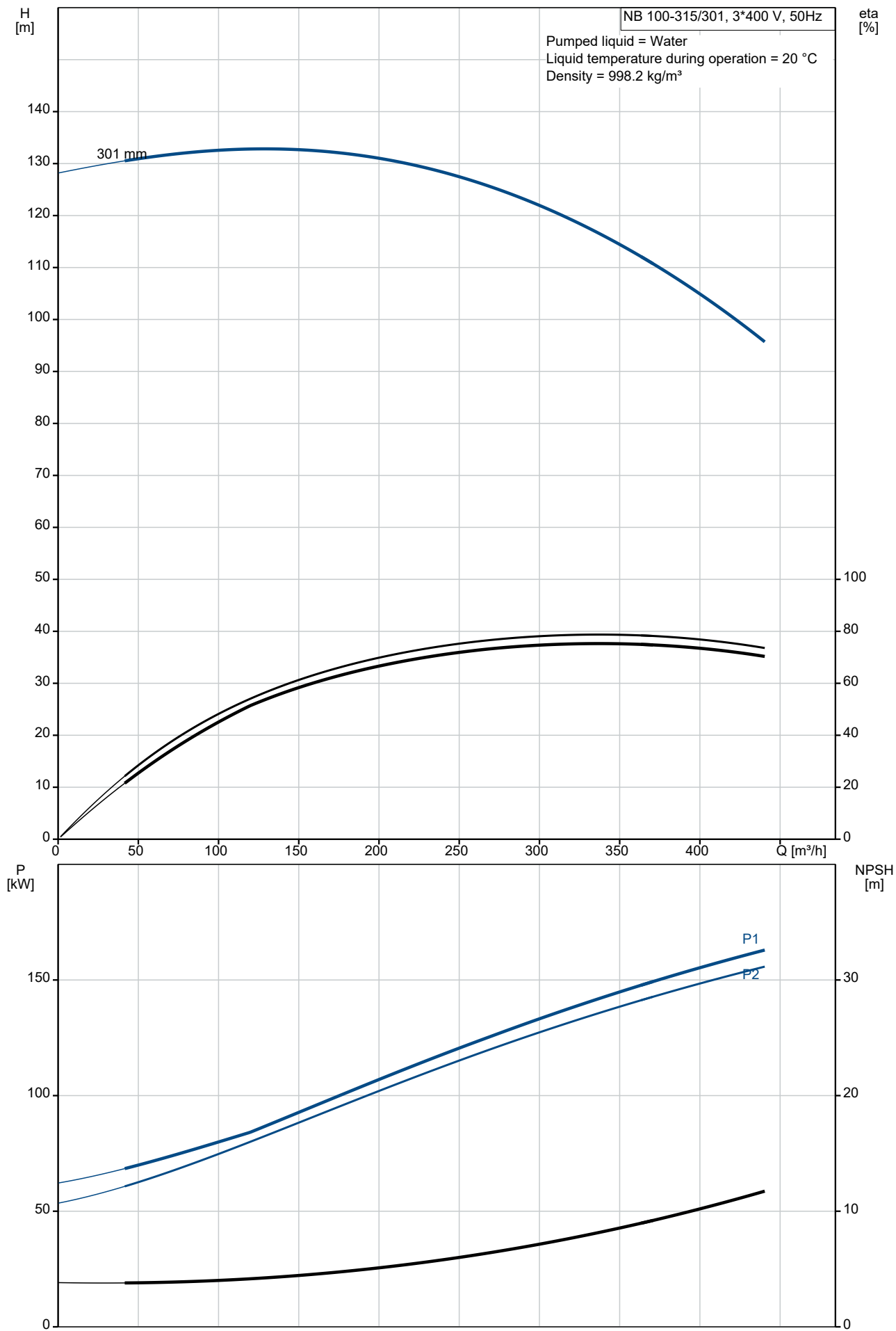
Datasheet



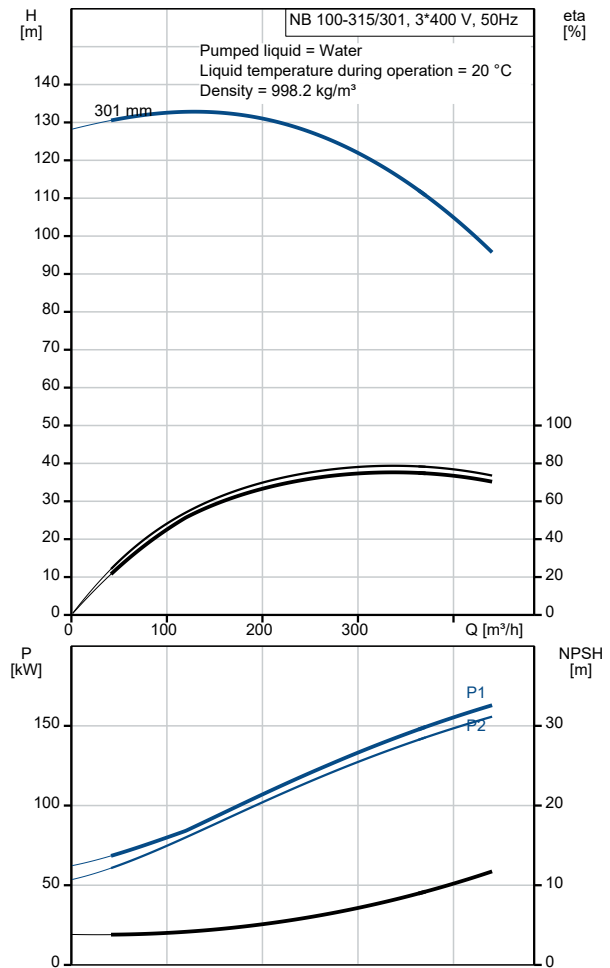
Qty.	Description
1	NB 100-315/301 AF2ABQQE  Product No.: 98844560 Non-self priming, single-stage centrifugal Flange standard: pump according to EN 1092-2. The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive or long-fibred solids. The pump is directly coupled with 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: 2980 rpm Rated flow: 345.7 m³/h Rated head: 115 m Actual impeller diameter: 301 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 125 Size of outlet connection: DN 100 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: 160 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 280-255/161-147 A Starting current: 780-780 % Cos phi - power factor: 0.92 Rated speed: 2982 rpm Efficiency: IE3 95,6% Motor efficiency at full load: 95.6-95.6 % Motor efficiency at 3/4 load: 95.6-95.6 % Motor efficiency at 1/2 load: 95.1-95.1 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 83U15448 Others: Minimum efficiency index, MEI ≥: 0.63 Net weight: 1190 kg Gross weight: 1270 kg Shipping volume: 1.72 m³ Country of origin: HU Custom tariff no.: 84137051

98844560 NB 100-315/301 AF2ABQQE 50 Hz

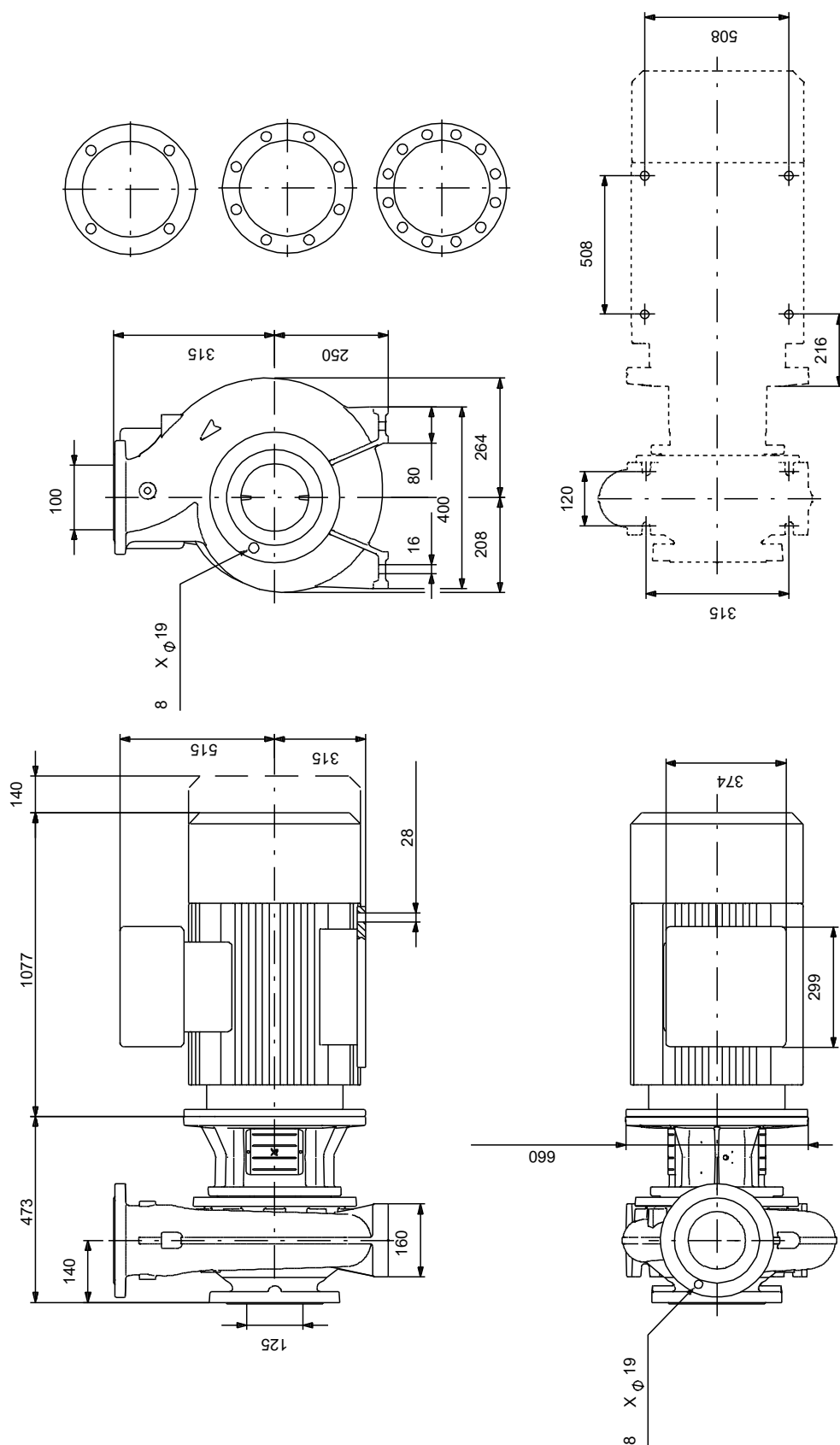


Description	Value
General information:	
Product name:	NB 100-315/301 AF2ABQQE
Product No:	98844560
EAN number:	5712602273533
Technical:	
Pump speed on which pump data are based:	2980 rpm
Rated flow:	345.7 m³/h
Rated head:	115 m
Actual impeller diameter:	301 mm
Nominal impeller diameter:	315
Shaft seal 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 125
Size of outlet connection:	DN 100
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:	160 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	280-255/161-147 A
Starting current:	780-780 %
Cos phi - power factor:	0.92
Rated speed:	2982 rpm
Efficiency:	IE3 95,6%
Motor efficiency at full load:	95.6-95.6 %
Motor efficiency at 3/4 load:	95.6-95.6 %
Motor efficiency at 1/2 load:	95.1-95.1 %
Number of poles:	2
Enclosure class (IEC 34-5):	IP55



Description	Value
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	83U15448
Mount. design. acc. IEC 34-7:	IM B35
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.63
Net weight:	1190 kg
Gross weight:	1270 kg
Shipping volume:	1.72 m ³
Country of origin:	HU
Custom tariff no.:	84137051

98844560 NB 100-315/301 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 100-315/301, Product No. 98844560
Produced After 2101 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Bulk, Nut			92514632	1	pcs
67	Nut		Thread: M24		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			92514334	1	pcs
105	Shaft seal				5	
-	Kit, coupling guard			96809946	1	pcs
7a	Pan head screw				4	
7	Coupling guard				2	
-	Kit, cover			98990973	1	pcs
18	Plug				1	
36	Nut		Thread: M12		10	
77	Cover				1	
-	Kit, motor stool			96935199	1	pcs
1.a	Motor stool				1	
7	Coupling guard				2	
28	Hex nut		Thread: M16		8	
28	Hex head screw		Length (mm): 60		8	
			Thread: M16			
36	Nut		Thread: M12		10	
76a	Rivet				2	
77a	Pan head screw				4	
-	Kit, nut			96939132	1	pcs
11	Key				1	
-	36	Nut			1	
66a	Spring lock washer				1	
66	Washer				1	
67	Nut		Thread: M24		1	
-	Kit, pump housing			95131735	1	pcs
-	6	Pump housing			1	
26	Staybolt		Length (mm): 40		14	
			Thread: M12			
45	Wear ring				1	
20	Plug				2	
36	Nut		Thread: M12		14	
-	Kit, stub shaft			99248525	1	pcs
11	Key				1	
51	Stub shaft				1	
66a	Spring lock washer				1	
66	Washer				1	
67	Nut		Thread: M25		1	
89.a	Socket set screw		Length (mm): 10		3	
			Thread: M8			
+	Spare, O-ring			97757675	1	pcs
-	Spare, plug vent			98164277	1	pcs
18	Plug				1	
-	Spare, shaft seal			98434909	1	pcs
105	Shaft seal				1	
-	Spare, wear ring			99208807	1	pcs
45	Wear ring				1	
-	Motor				1	pcs
156	Kit, fan			98339895	1	
151	Kit, fan cover			98768548	1	
	Kit, lubrication nipple			98360053	1	
176	Kit, terminal board			98359966	1	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
164a	Kit, terminal box			98360006	1	
49	Impeller			99217188	1	pcs