

Inventflow: Grundfos A-partner

Grundfos NB 40-125/116 AF2ABQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nb/grundfos-nb-40-125-116-af2abqqe>

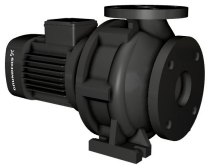
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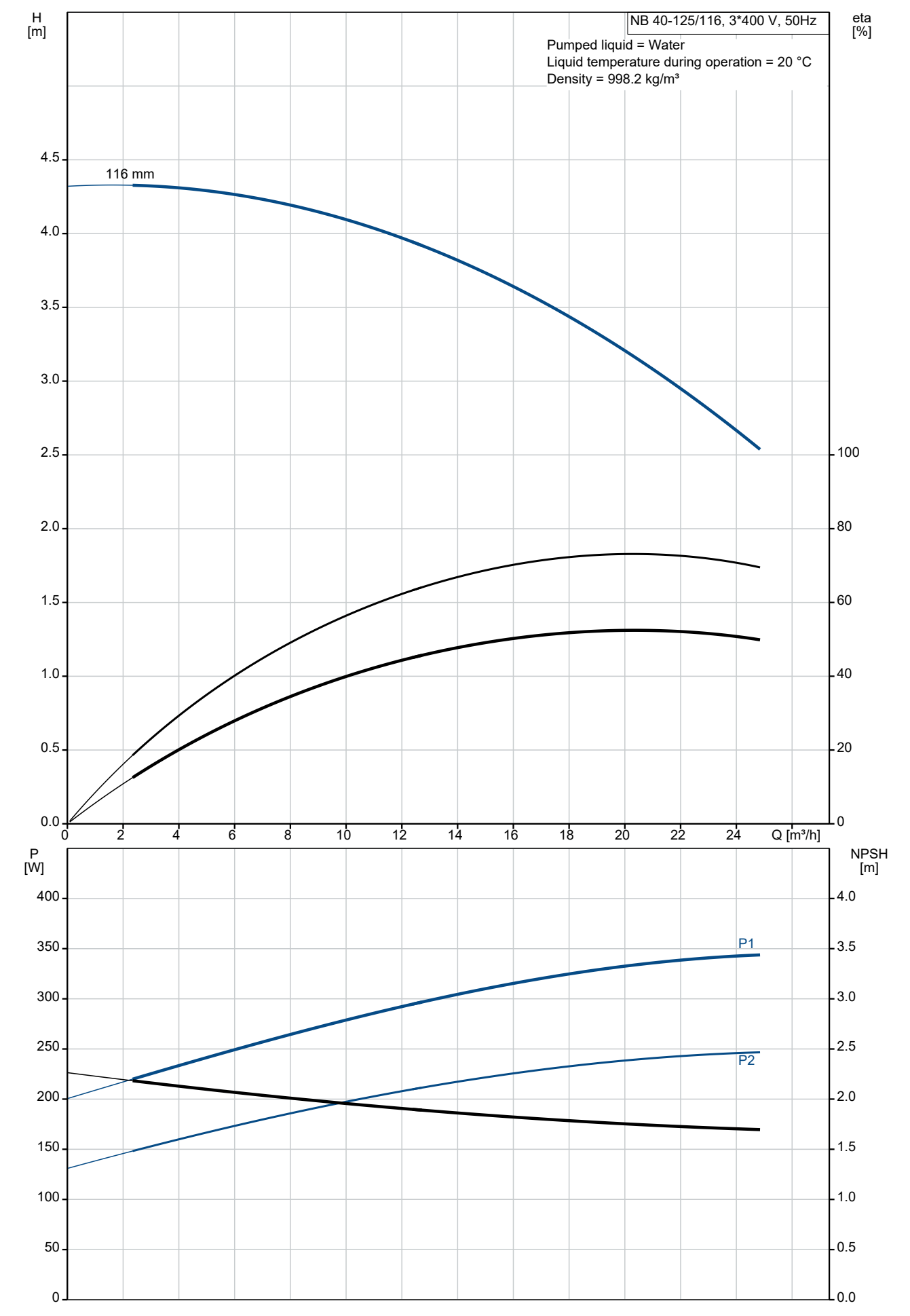
Datasheet



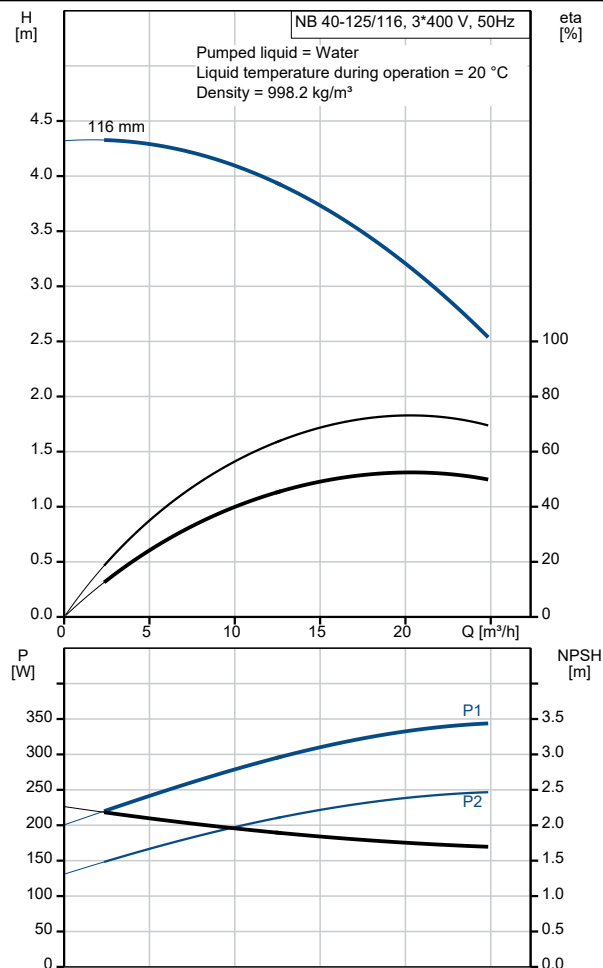
Qty.	Description
1	NB 40-125/116 AF2ABQQE  Product No.: 96787441 Non-self priming, single-stage centrifugal Flange standard: pump according to EN 1092-2. The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive or long-fibred solids. The pump is directly coupled with 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: 1420 rpm Rated flow: 20.57 m³/h Rated head: 3.069 m Actual impeller diameter: 116 mm Nominal impeller diameter: 125 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: 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 65 Size of outlet connection: DN 40 Pressure rating for connection: PN 16 Bearing lubrication: Grease Pump housing with feet: Yes Support block: N Electrical data: Motor type: 71A IE Efficiency class: IE2 Rated power - P2: 0.25 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-415Y V Rated current: 1,30-1,42/0,75-0,82 A Starting current: 410 % Cos phi - power factor: 0.73-0.64 Rated speed: 1410-1430 rpm Efficiency: IE2 72,4% - IE2 70,0% Motor efficiency at full load: 72.4-70.0 % Motor efficiency at 3/4 load: 72.6 % Motor efficiency at 1/2 load: 68.3 % Number of poles: 4 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 99928169 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 32 kg Gross weight: 42 kg Shipping volume: 0.134 m³ Country of origin: HU Custom tariff no.: 84137051

96787441 NB 40-125/116 AF2ABQQE 50 Hz

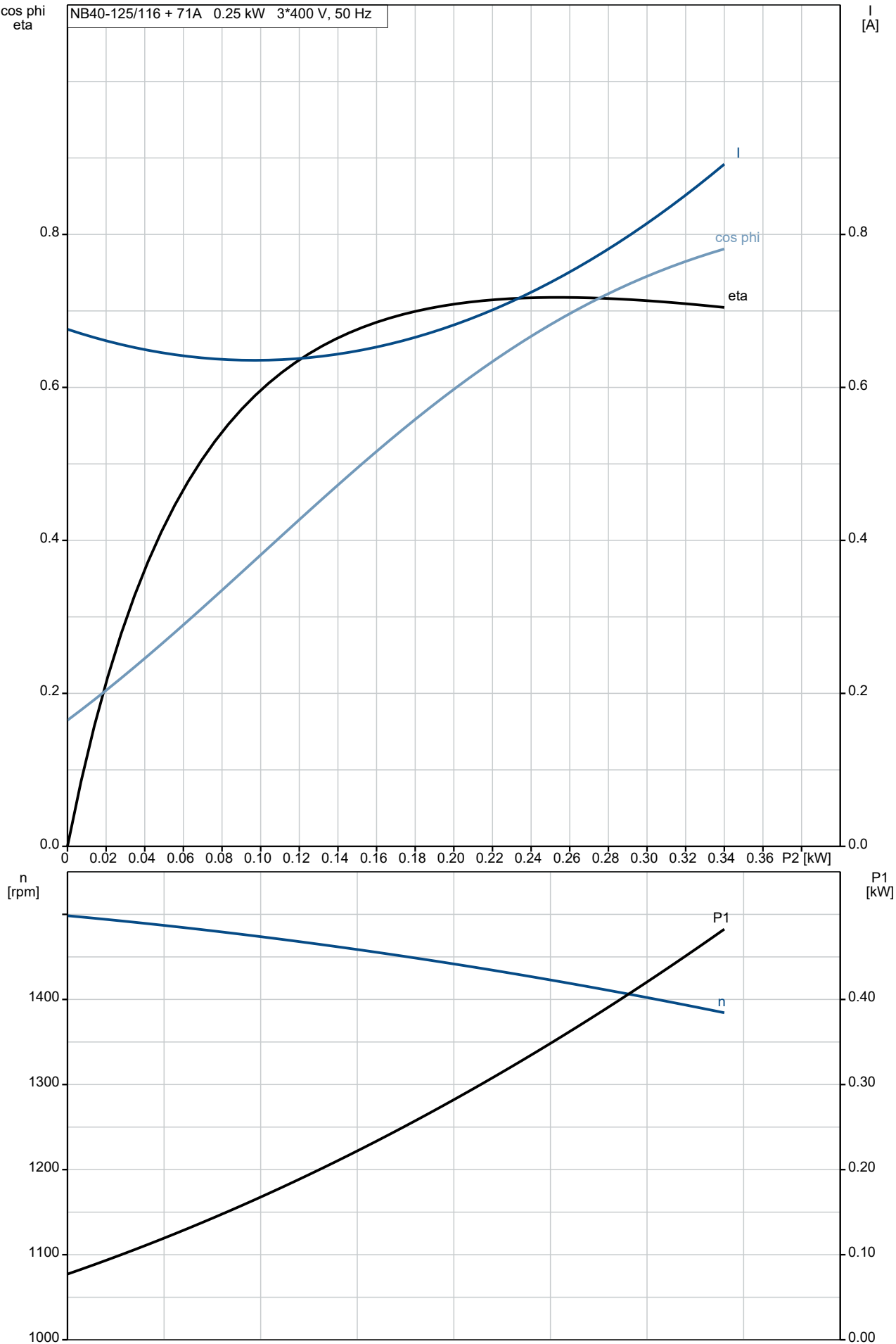


Description	Value
General information:	
Product name:	NB 40-125/116 AF2ABQQE
Product No:	96787441
EAN number:	5700310313405
Technical:	
Pump speed on which pump data are based:	1420 rpm
Rated flow:	20.57 m³/h
Rated head:	3.069 m
Actual impeller diameter:	116 mm
Nominal impeller diameter:	125
Shaft seal arrangement:	Single
Shaft diameter:	24 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:	40 °C
Maximum operating pressure:	16 bar
Pipe connection standard:	EN 1092-2
Size of inlet connection:	DN 65
Size of outlet connection:	DN 40
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:	71A
IE Efficiency class:	IE2
Rated power - P2:	0.25 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415V
Rated current:	1,30-1,42/0,75-0,82 A
Starting current:	410 %
Cos phi - power factor:	0.73-0.64
Rated speed:	1410-1430 rpm
Efficiency:	IE2 72,4% - IE2 70,0%
Motor efficiency at full load:	72.4-70.0 %
Motor efficiency at 3/4 load:	72.6 %
Motor efficiency at 1/2 load:	68.3 %
Number of poles:	4
Enclosure class (IEC 34-5):	55 Dust/Jetting

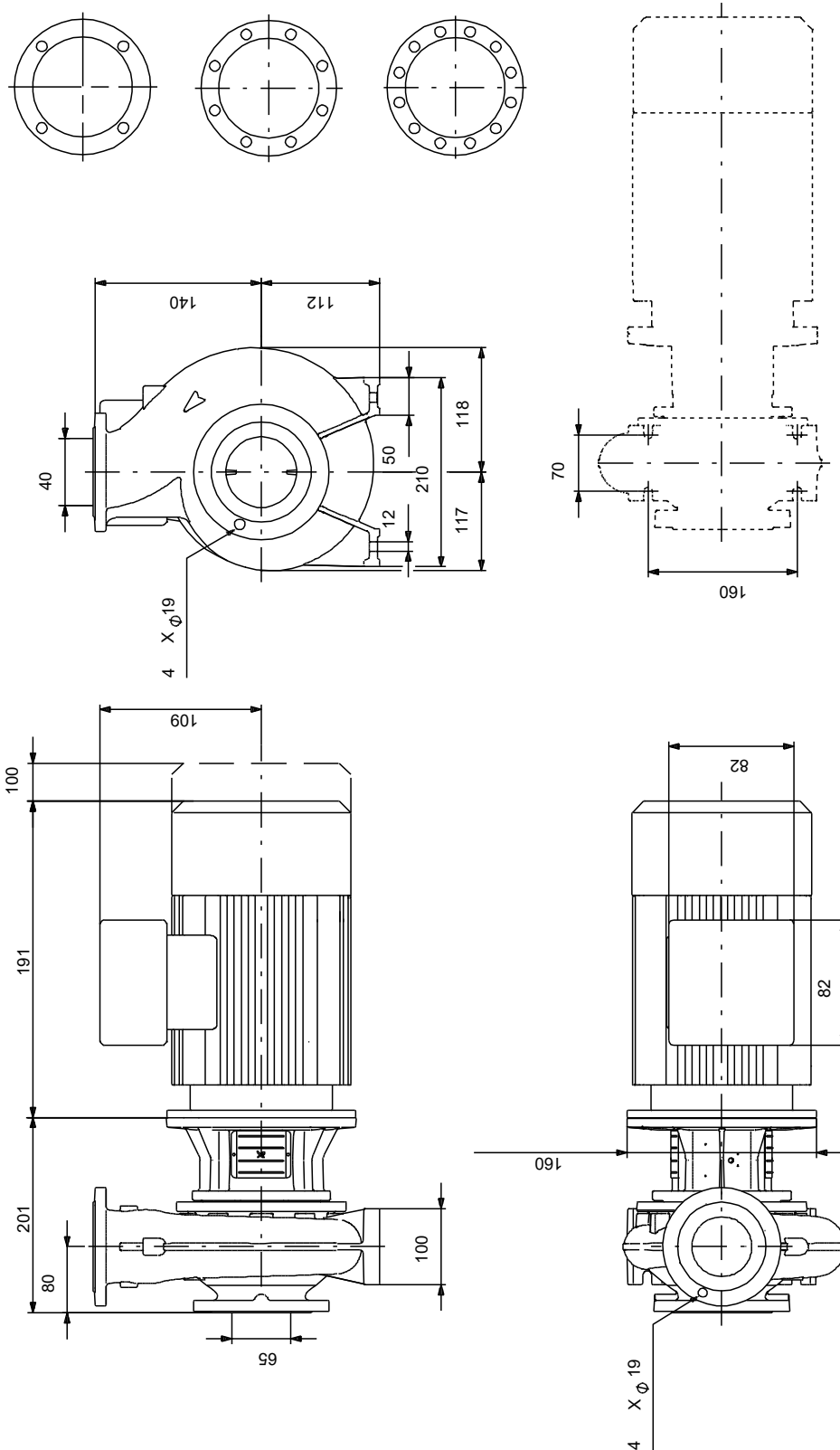


Description	Value
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	99928169
Mount. design. acc. IEC 34-7:	IM V1/B5
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	32 kg
Gross weight:	42 kg
Shipping volume:	0.134 m ³
Country of origin:	HU
Custom tariff no.:	84137051

96787441 NB 40-125/116 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 40-125/116, Product No. 96787441
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			92547662	1	pcs
72a	O-ring				5	
-	Bulk, Plug vent			96620482	1	pcs
18	Plug				5	
-	Bulk, Shaft seal			99380916	1	pcs
105	Shaft seal				5	
-	Kit, motor stool			98990895	1	pcs
1a	Motor stool				1	
9	Hex socket head cap screw		Length (mm): 35		4	
			Thread: M8			
18	Plug				1	
19	Pipe plug		Thread: R 3/8		2	
36	Nut		Thread: M10		6	
76a	Rivet				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			95131708	1	pcs
-	6 Pump housing				1	
26	Staybolt		Length (mm): 40		6	
			Thread: M10			
45	Wear ring				1	
20	Pipe plug		Thread: R 3/8		2	
36	Nut		Thread: M10		8	
-	Kit, stub shaft			96039349	1	pcs
9	Socket set screw				2	
11	Parallel key		Dimension: 6X6X35		1	
51	Stub shaft				1	
66a	Spring lock washer				1	
66	Washer		Internal diameter: 14,25		1	
			Outer diameter: 28			
			Thickness: 4			
67	Nut		Thread: M14		1	
-	Spare, O-ring			97757659	1	pcs
72a	O-ring				1	
-	Spare, plug vent			98164277	1	pcs
18	Plug				1	
-	Spare, shaft seal			98434904	1	pcs
105	Shaft seal				1	
-	Spare, wear ring			99208821	1	pcs
45	Wear ring				1	
	Motor			92509353	1	pcs
49	Impeller			98546219	1	pcs