

NB40-125/116 A-F2-A-GQQE

Grundfos pump 96529033



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<https://www.lenntech.com/grundfos/NB000/96529033/NB-40-125-116-A-F-A-GQQE.html>

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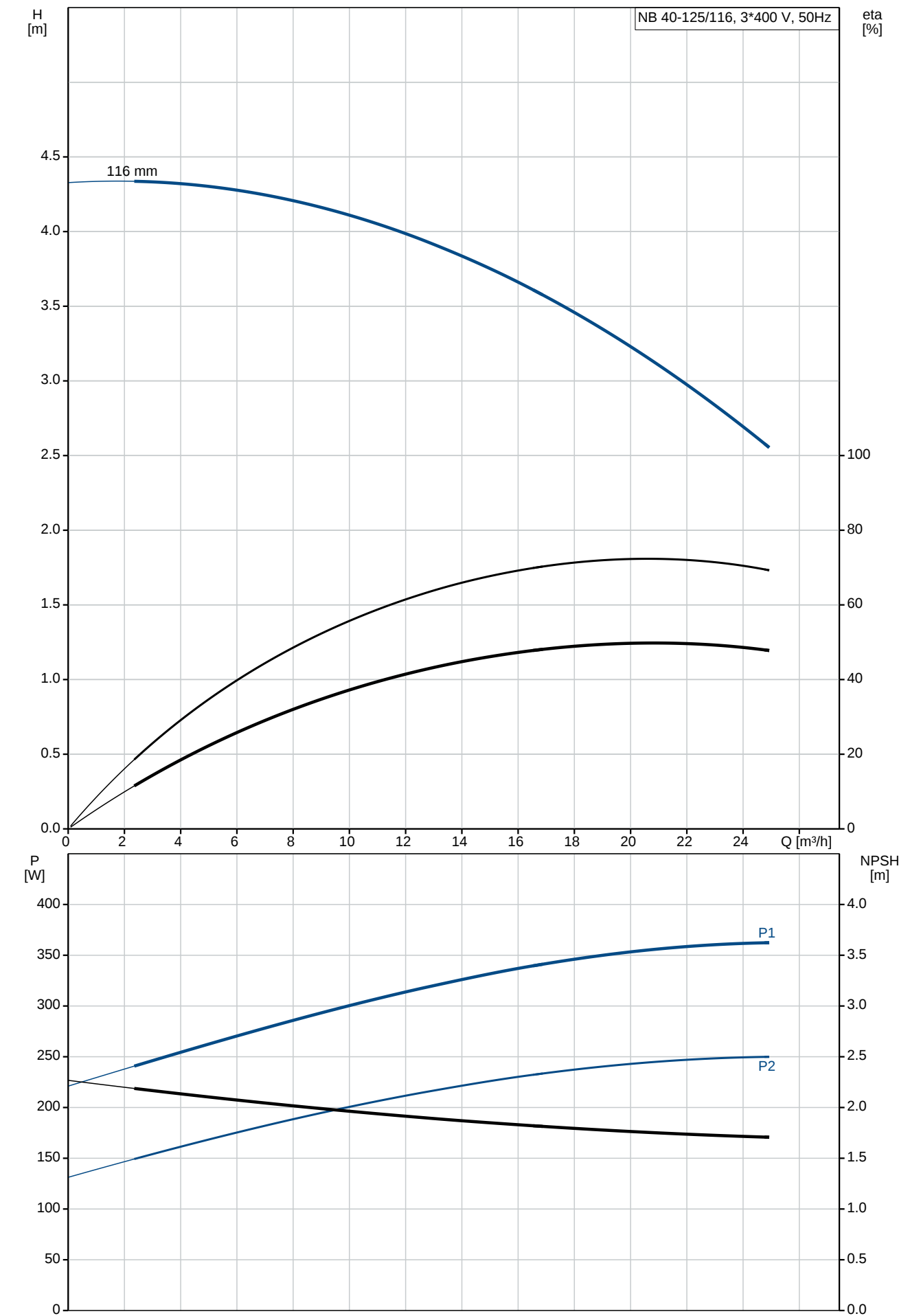
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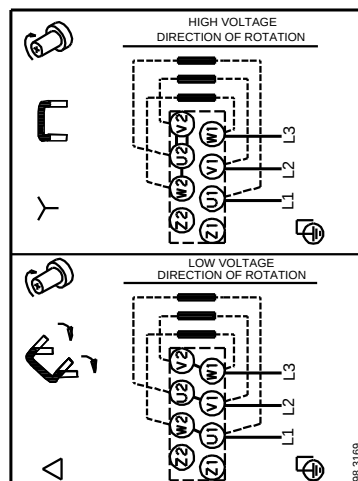
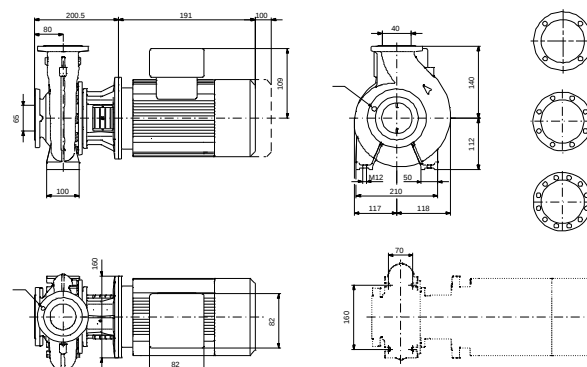
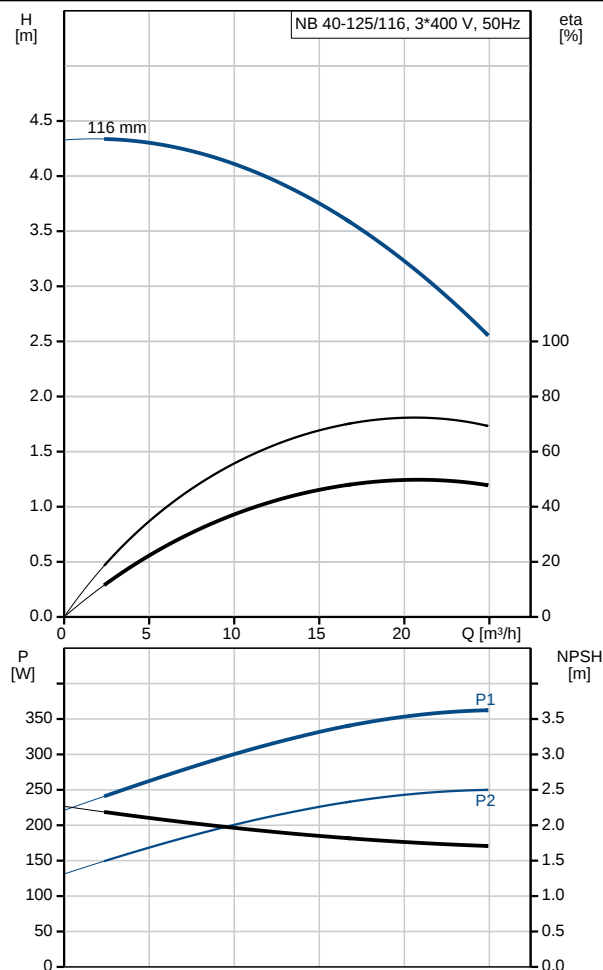
Position	Qty.	Description
	1	NB 40-125/116 A-F-A-GQQE  Note! Product picture may differ from actual product Product No.: On request Non-self priming, single-stage centrifugal pump according to DIN. The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive or long-fibred solids. The pump is directly coupled with an 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, - Cast iron volute pump housing, - stainless steel shaft and Cast iron impeller and bronze wear rings, - unbalanced mechanical shaft seal according to EN 12756. Liquid: Pumped liquid: Water Liquid temperature range: -25 .. 90 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Technical: Rated flow: 20.4 m³/h Rated head: 3 m Actual impeller diameter: 116 mm Impeller nom: 125 mm Primary shaft seal: GQQE Materials: Pump housing: Cast iron EN-JL1040 Impeller: Cast iron EN-JL1030 ASTM A48-30 B Installation: Maximum ambient temperature: 40 °C Maximum operating pressure: 16 bar Flange standard: DIN Pump inlet: DN 65 Pump outlet: DN 40

Position	Qty.	Description
		Pressure rating: PN16 Electrical data: Motor type: 71A Rated power - P2: 0.25 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240 D/380-415 Y V Rated current: 1.48/0.85 A Starting current: 400-440 % Cos phi - power factor: 0.75-0.65 Rated speed: 1400-1420 rpm Efficiency: 61,5% - 68,5% Motor efficiency at full load: 69 % Motor efficiency at 3/4 load: 70 % Motor efficiency at 1/2 load: 63.9 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Others: Net weight: 34.8 kg Gross weight: 38 kg Shipping volume: 0.138 m³

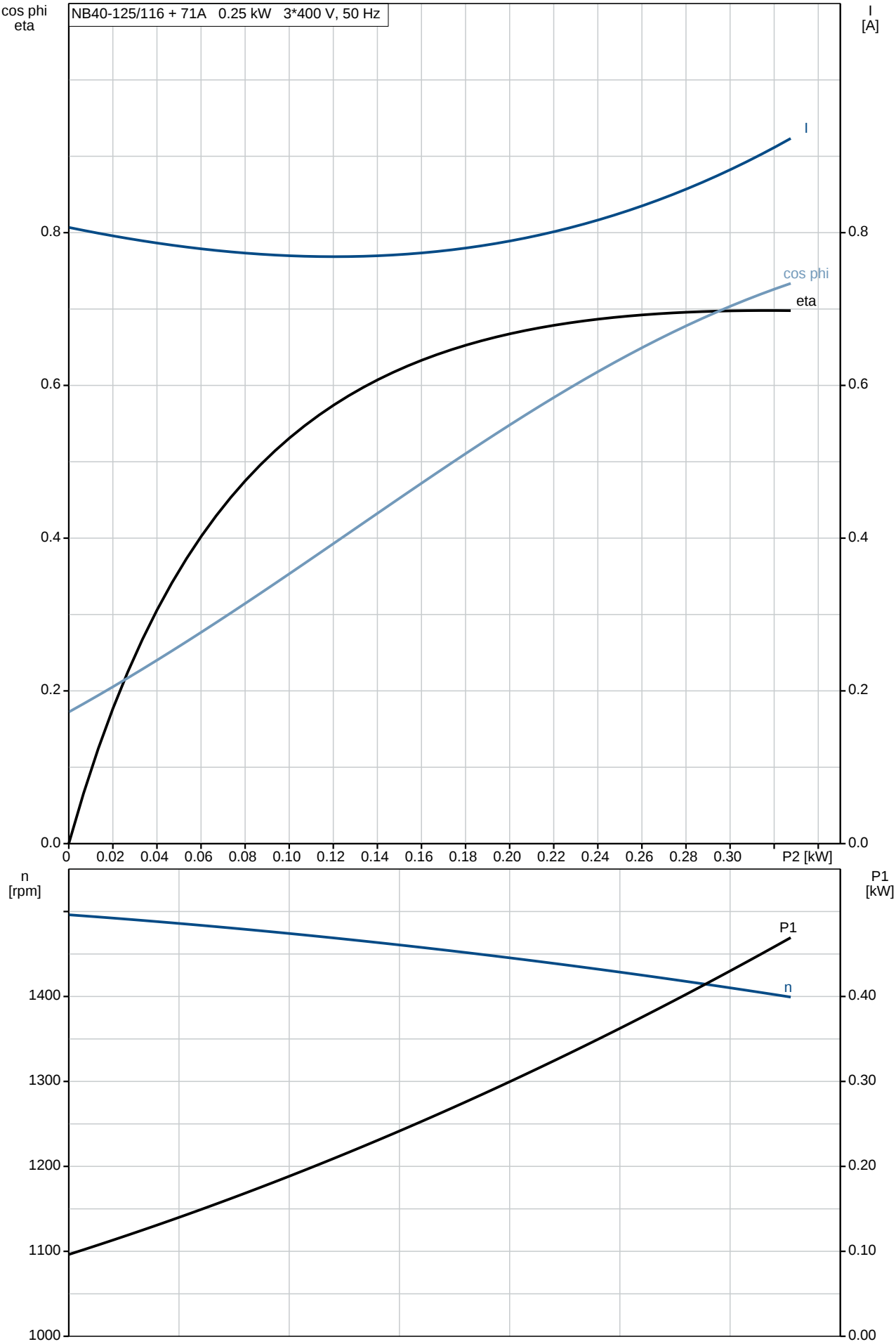
On request NB 40-125/116 A-F-A-GQQE 50 Hz



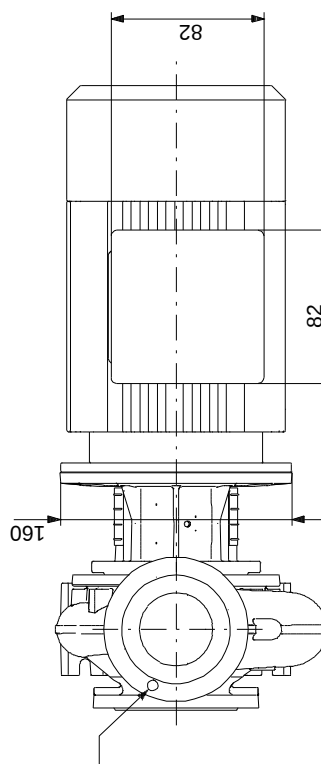
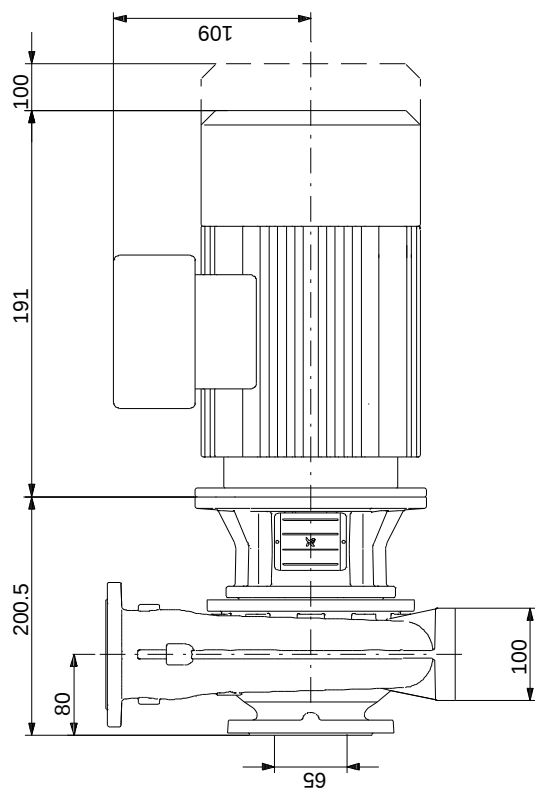
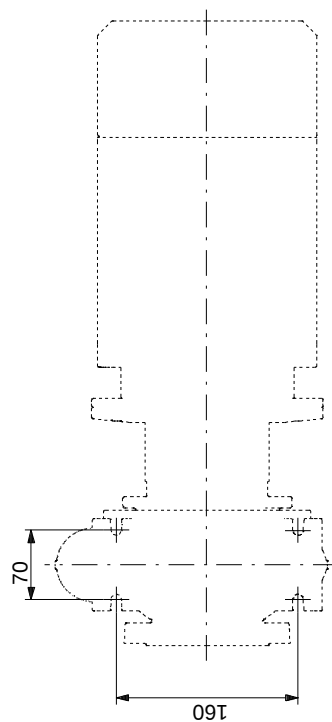
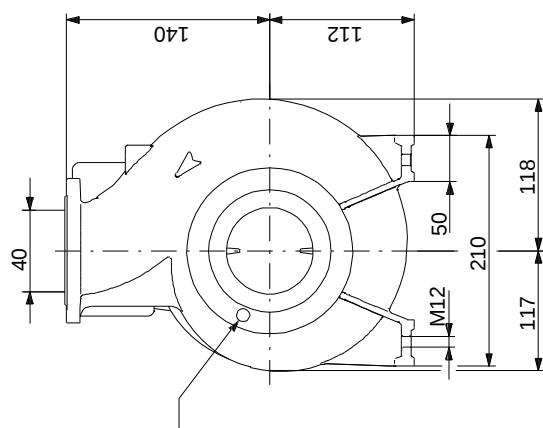
Description	Value
General information:	
Product name:	NB 40-125/116 A-F-A-GQQE
Product No:	On request
EAN number:	On request
Technical:	
Rated flow:	20.4 m³/h
Rated head:	3 m
Actual impeller diameter:	116 mm
Impeller nom:	125 mm
Primary shaft seal:	GQQE
Pump version:	A
Materials:	
Pump housing:	Cast iron EN-JL1040 ASTM A48-40 B
Impeller:	Cast iron EN-JL1030 ASTM A48-30 B
Material code:	A
Installation:	
Maximum ambient temperature:	40 °C
Maximum operating pressure:	16 bar
Flange standard:	DIN
Pump inlet:	DN 65
Pump outlet:	DN 40
Pressure rating:	PN16
Wear ring(s):	neckring(s)
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-25 .. 90 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor type:	71A
Rated power - P2:	0.25 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240 D/380-415 Y V
Rated current:	1.48/0.85 A
Starting current:	400-440 %
Cos phi - power factor:	0.75-0.65
Rated speed:	1400-1420 rpm
Efficiency:	61,5% - 68,5%
Motor efficiency at full load:	69 %
Motor efficiency at 3/4 load:	70 %
Motor efficiency at 1/2 load:	63.9 %
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	87100304
Mount. design. acc. IEC 34-7:	IM V1/B5
Others:	
Net weight:	34.8 kg
Gross weight:	38 kg
Shipping volume:	0.138 m³



On request NB 40-125/116 A-F-A-GQQE 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.

Exploded view



Sectional drawing (TM058200 for TPE2,TPE3)



TM058200

Exploded view (TM057026 for MGE model H/I)



Parts list NB 40-125/116, Product No. On request
Valid from 1.1.2008 (0801)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
+	Motor				1	pcs
-	Nut				1	pcs
66	Washer				1	
66a	Spring lock washer				1	
67	Nut		Thread: M14		1	
-	Motor stool cpl.				1	pcs
1a	Motor stool				1	
9	Hex socket head cap screw		Length (mm): 35		4	
			Thread: M8			
-	Pump housing cpl.				1	pcs
6	Pump housing				1	
36	Nut		Thread: M10		6	
-	Stub shaft				1	pcs
9	Socket set screw		Length (mm): 10		2	
			Thread: M5			
11	Parallel key		Dimension: 6X6X35		1	
51	Pump shaft				1	
17	Air vent screw				1	pcs
-	Plug				1	pcs
19	Pipe plug		Thread: R 3/8		2	
49	Impeller				1	pcs
72a	O-ring		Diameter: 177,39		1	pcs
			Material type: EPDM			
			Thickness: 3,53			
105	Shaft seal		Material type: GQQE		1	pcs

Disclaimer: The information about the Grundfos pump in this document may be outdated.

Data may be subject to alterations without further notice.

Please contact us to verify the data above is still accurate/up-to-date.

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