

Inventflow: Grundfos A-partner

Grundfos TP 100-410/4 A-F-A-BQQE-QX3

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tp/grundfos-tp-100-410-4-a-f-a-bqqe-qx3>

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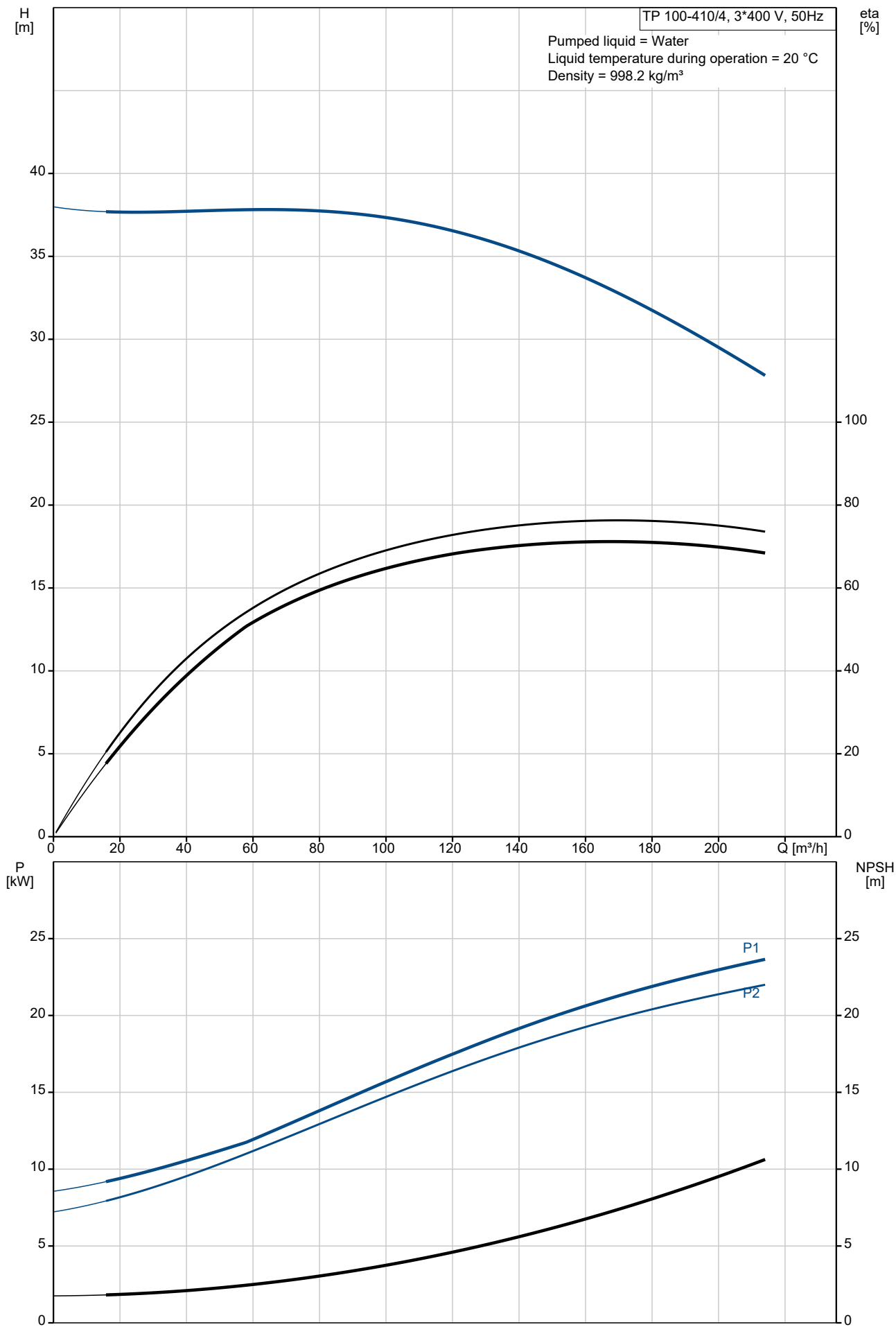
Datasheet



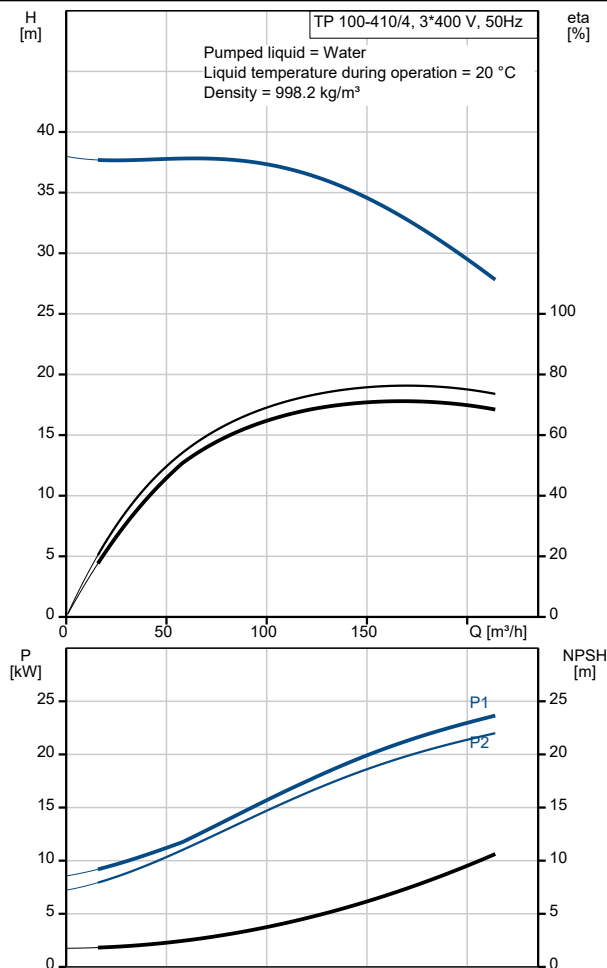
Qty.	Description
1	TP 100-410/4 A-F-A-BQQE-QX3  Note! Product picture may differ from actual product Product No.: 96109311 Single-stage centrifugal volute in-line single-head pump: - wear rings made of bronze - cataphoresis treatment - stable sleeve coupling - top-pull-out principle for easy maintenance - optimized hydraulics - in-line design with opposite suction and discharge ports enabling mounting in pipework or on a concrete foundation - corrosion resistant maintenance-free mechanical shaft seal. Phase: The motor is a 3-phase AC motor. Controls: Frequency converter: NONE 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: 1465 rpm Rated flow: 171 m³/h Rated head: 32.7 m Actual impeller diameter: 334 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B Materials: Pump housing: Cast iron EN-GJL-250 ASTM class 35 Impeller: Cast iron EN-GJL-200 ASTM class 30 Installation: Range of ambient temperature: -20 .. 55 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN

Qty.	Description
	Size of connection: DN 100 Pressure rating for connection: PN 16 Port-to-port length: 670 mm Flange size for motor: FF300 Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 22 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 42,5-40,5/24,6-23,6 A Starting current: 680-680 % Cos phi - power factor: 0.83 Rated speed: 1470 rpm Efficiency: IE3 93,0% Motor efficiency at full load: 93.0-93.0 % Motor efficiency at 3/4 load: 93.7-93.7 % Motor efficiency at 1/2 load: 93.7-93.7 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99032118 Others: Minimum efficiency index, MEI $\geq$: 0.69 Net weight: 341 kg Gross weight: 402 kg Shipping volume: 0.94 m³ Danish VVS No.: 381716410 Finnish LVI No.: 4616130 Country of origin: HU Custom tariff no.: 84137051

96109311 TP 100-410/4 A-F-A-BQQE-QX3 50 Hz

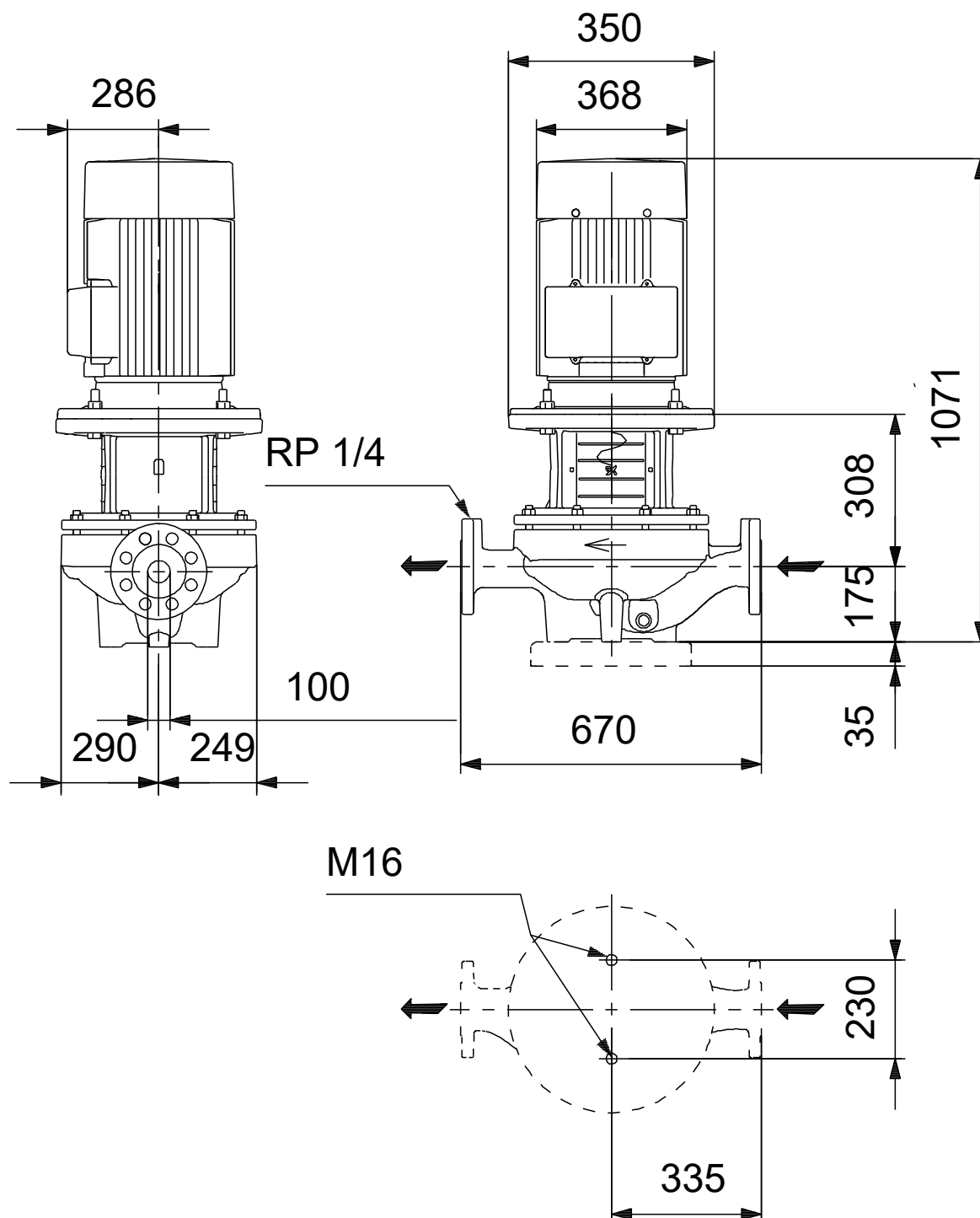


Description	Value
General information:	
Product name:	TP 100-410/4 A-F-A-BQQE-QX3
Product No:	96109311
EAN number:	5700396982885
Technical:	
Pump speed on which pump data are based:	1465 rpm
Rated flow:	171 m³/h
Rated head:	32.7 m
Maximum head:	410 dm
Actual impeller diameter:	334 mm
Code for shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Materials:	
Pump housing:	Cast iron
Pump housing:	EN-GJL-250
Pump housing:	ASTM class 35
Impeller:	Cast iron
Impeller:	EN-GJL-200
Impeller:	ASTM class 30
Material code:	A
Installation:	
Range of ambient temperature:	-20 .. 55 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 120 °C
Type of connection:	DIN
Size of connection:	DN 100
Pressure rating for connection:	PN 16
Port-to-port length:	670 mm
Flange size for motor:	FF300
Connect code:	F
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:	22 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	42,5-40,5/24,6-23,6 A
Starting current:	680-680 %
Cos phi - power factor:	0.83
Rated speed:	1470 rpm
Efficiency:	IE3 93,0%
Motor efficiency at full load:	93.0-93.0 %
Motor efficiency at 3/4 load:	93.7-93.7 %
Motor efficiency at 1/2 load:	93.7-93.7 %
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	99032118
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.69
Net weight:	341 kg
Gross weight:	402 kg
Shipping volume:	0.94 m³



Description	Value
Danish VVS No.:	381716410
Finnish LVI No.:	4616130
Country of origin:	HU
Custom tariff no.:	84137051

96109311 TP 100-410/4 A-F-A-BQQE-QX3 50 Hz



Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Spare parts TP 100-410/4, Product No. 96109311
Produced After 2050 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
- 56	Base plate			96536246	1	pcs
28g	Hex head cap screw		Length (mm): 30 MM		2	
			Thread: M16			
56	Base plate				1	
	Motor				1	pcs
19	Plug			98163028	2	pcs
36	Nut		Thread: M12	96620479	14	pcs
49	Impeller			96794897	1	pcs
56	Base plate			99788464	1	pcs
67	Nut		Thread: M18	92526535	1	pcs
72a	O-ring		Diameter: 329,79	92547632	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
72a	O-ring		Diameter: 329,79	92526511	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
72a	O-ring		Diameter: 329,79	97511846	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
72a	O-ring		Diameter: 329,79	97757675	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
105b	Spacer			96591277	1	pcs
105	Shaft seal			92514302	1	pcs
105	Shaft seal			98434906	1	pcs