

Date: 31/08/2017

Position | Qty. | Description

1 TP 100-110/4 A-F-A-BQQE



Product No.: 96109304

Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out design, i.e. the power head (motor, pump head and impeller) can be removed for maintenance or service while the pump housing remains in the pipework.

The pump is fitted with an unbalanced rubber bellows seal. The shaft seal is according to EN 12756. Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2).

The pump is fitted with a fan-cooled asynchronous motor.

Liquid:

Pumped liquid: Water
Liquid temperature range: -25 .. 120 °C
Liquid temperature during operation: 20 °C
Density: 998.2 kg/m³

Technical:

Speed for pump data: 1455 rpm
Rated flow: 85.9 m³/h
Rated head: 8.692 m
Actual impeller diameter: 177 mm
Primary shaft seal: BQQE

Curve tolerance: ISO9906:2012 3B

Materials:

Pump housing: Cast iron

EN-JL1040

ASTM A48-40 B

Impeller: Cast iron

EN-JL1030 ASTM A48-30 B

Installation:

Range of ambient temperature: -30 .. 60 °C Maximum operating pressure: 16 bar Flange standard: DIN Pipe connection: **DN 100** Pump inlet: **DN 100** Pump outlet: **DN 100** Pressure stage: PN 16 Port-to-port length: 550 mm Flange size for motor: FF215

Electrical data:

Motor type: 100LC IE Efficiency class: IE3 Rated power - P2: 3 kW Power (P2) required by pump: 3 kW Mains frequency: 50 Hz



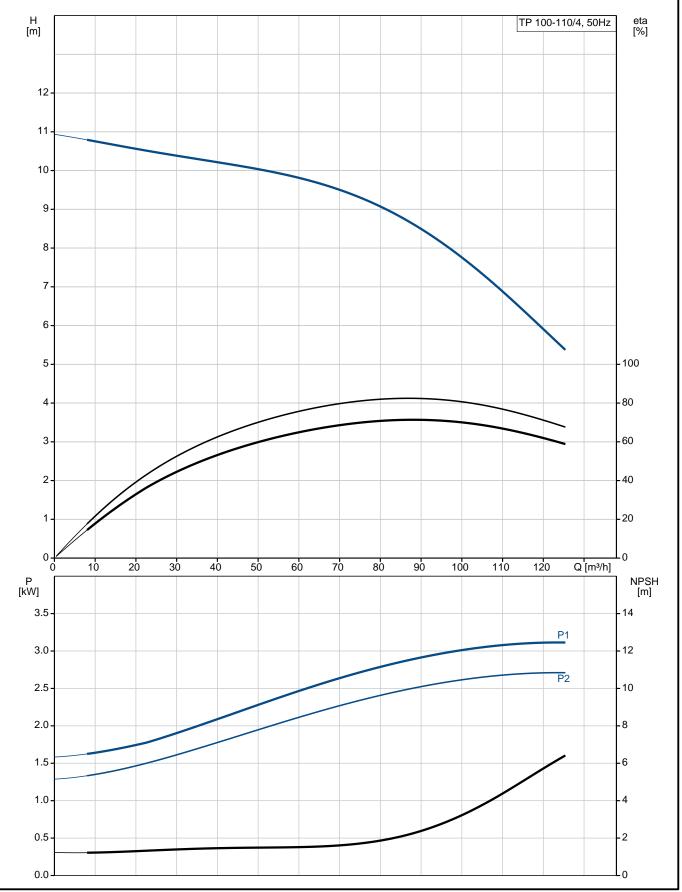
Date: 31/08/2017

			Date.	31/00/2017
Position	Qty.	Description		
		Rated voltage:	3 x 380-415D V	
		Rated current:	6.3 A	
		Starting current:	700-770 %	
		Cos phi - power factor:	0,82-0,76	
		Rated speed:	1440-1450 rpm	
		Efficiency: Motor efficiency at full load:	IE3 87,7% 87.7 %	
		Motor efficiency at 3/4 load:	86 %	
		Motor efficiency at 1/2 load:	84.5 %	
		Number of poles:	4	
		Enclosure class (IEC 34-5):	55 Dust/Jetting	
		Insulation class (IEC 85):	F	
		Others:		
		Label:	Grundfos Blueflux	
		Minimum efficiency index, MEI		
		ErP status:	EuP Standalone/Prod.	
		Net weight: Gross weight:	106 kg	
		Shipping volume:	125 kg 0.39 m³	
		Chipping volunie.	0.00 111	



Date: 31/08/2017

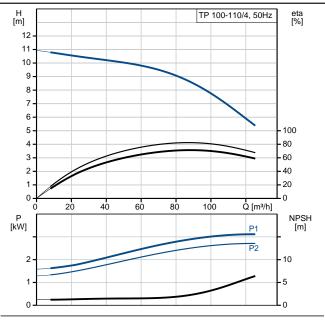
96109304 TP 100-110/4 50 Hz

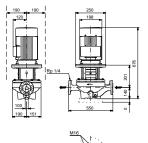


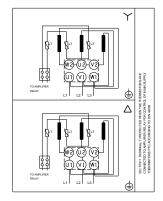


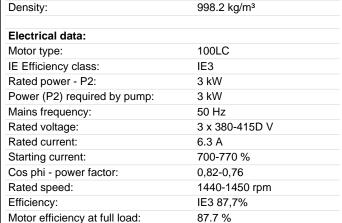
Date: 31/08/2017

Description	Value
General information:	
Product name:	TP 100-110/4 A-F-A-BQQE
Product No:	96109304
EAN number:	5700396982816
Technical:	
Speed for pump data:	1455 rpm
Rated flow:	85.9 m³/h
Rated head:	8.692 m
Head max:	110 dm
Actual impeller diameter:	177 mm
Primary shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	Α
Model:	A
Materials:	
Pump housing:	Cast iron
	EN-JL1040
	ASTM A48-40 B
Impeller:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Material code:	Α
Installation:	
Range of ambient temperature:	-30 60 °C
Maximum operating pressure:	16 bar
Flange standard:	DIN
Connect code:	F
Pipe connection:	DN 100
Pump inlet:	DN 100
Pump outlet:	DN 100
Pressure stage:	PN 16
Port-to-port length:	550 mm
Flange size for motor:	FF215
Liquid:	
—	









Water

20 °C

86 %

84.5 %

-25 .. 120 °C

Pumped liquid:

Liquid temperature range:

Motor efficiency at 3/4 load:

Motor efficiency at 1/2 load:

Number of poles:

Liquid temperature during operation:



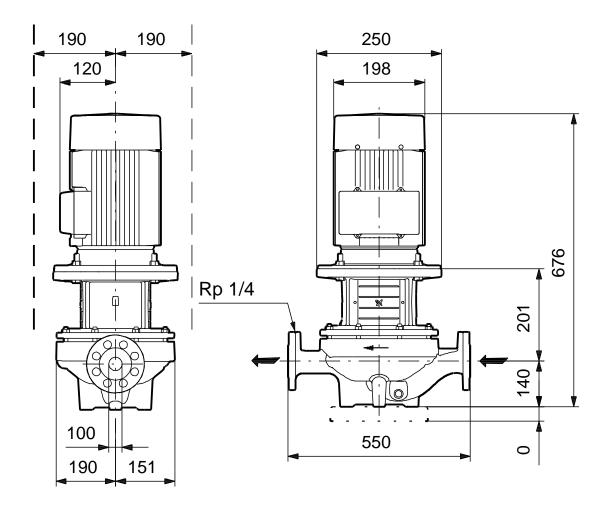
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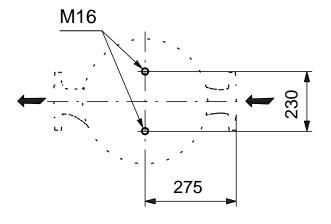
Description	Value
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	87272327
Others:	
Label:	Grundfos Blueflux
Minimum efficiency index, MEI:	0.70
ErP status:	EuP Standalone/Prod.
Net weight:	106 kg
Gross weight:	125 kg
Shipping volume:	0.39 m³



Date: 31/08/2017

96109304 TP 100-110/4 50 Hz



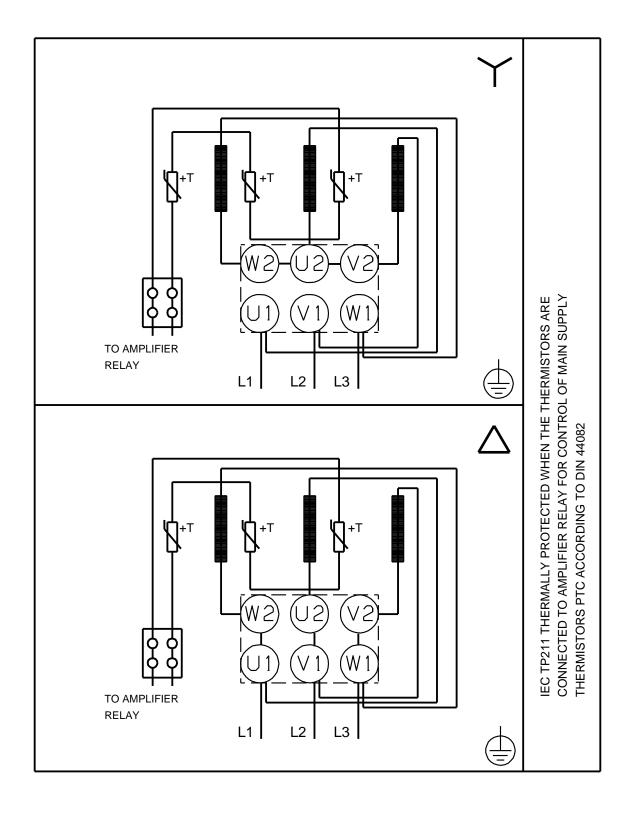


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 31/08/2017

96109304 TP 100-110/4 50 Hz



Note! All units are in [mm] unless others are stated.