

Date: 06/09/2017

Position | Qty. | Description

1 TP 150-200/4 A-F-A-BQQE



Product No.: 96109871

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: 1460 rpm
Rated flow: 253 m³/h
Rated head: 16.4 m
Actual impeller diameter: 243 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 150** Pump inlet: DN 150 Pump outlet: **DN 150** Pressure stage: PN 16 Port-to-port length: 800 mm Flange size for motor: FF300

Electrical data:

Motor type: 160LB
IE Efficiency class: IE3
Rated power - P2: 15 kW
Power (P2) required by pump: 15 kW
Mains frequency: 50 Hz



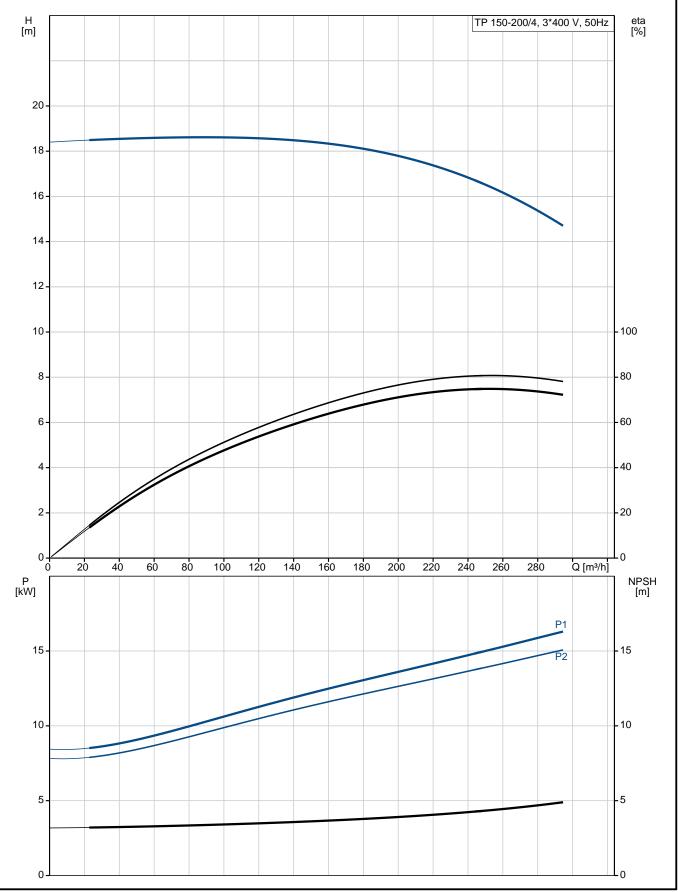
Date: 06/09/2017

			Date.	00/09/2017
Position	Qty.	Description		
		Rated voltage:	3 x 380-415D/660-690Y V	
		Rated current:	29,0-28,0/16,8-16,4 A	
		Starting current:	760-870 %	
		Cos phi - power factor:	0,86-0,82	
		Rated speed:	1460-1470 rpm	
		Efficiency:	IE3 92,1%	
		Motor efficiency at full load:	92.1 %	
		Motor efficiency at 3/4 load:	92.3 %	
		Motor efficiency at 1/2 load:	92.1 %	
		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:	358 kg	
		Gross weight:	406 kg	
		Shipping volume:	1.32 m ³	
		Danish:	VVS NO 381718200	



Date: 06/09/2017

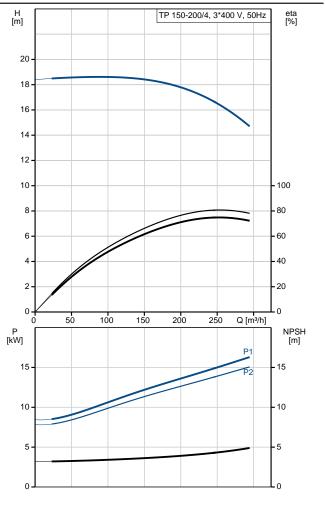
96109871 TP 150-200/4 50 Hz





Date: 06/09/2017

Description	Value
General information:	value
Product name:	TP 150-200/4 A-F-A-BQQE
Product No:	96109871
EAN number:	5700396988559
Z, ii t Hallison.	0,000000000
Technical:	
Speed for pump data:	1460 rpm
Rated flow:	253 m³/h
Rated head:	16.4 m
Head max:	200 dm
Actual impeller diameter:	243 mm
Primary shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Matariala	
Materials: Pump housing:	Cast iron
i amp nousing.	EN-JL1040
	ASTM A48-40 B
Impeller:	Cast iron
ппрепет.	EN-JL1030
	ASTM A48-30 B
Matarial anda	
Material code:	A
Installation:	
Range of ambient temperature:	-30 60 °C
Maximum operating pressure:	16 bar
Flange standard:	DIN
Connect code:	F
Pipe connection:	DN 150
Pump inlet:	DN 150
Pump outlet:	DN 150
Pressure stage:	PN 16
Port-to-port length:	800 mm
Flange size for motor:	FF300
Limited	
Liquid: Pumped liquid:	Water
Liquid temperature range:	-25 120 °C
Liquid temperature during operation:	20 °C
Density:	
Density.	998.2 kg/m³
Electrical data:	
Motor type:	160LB
IE Efficiency class:	IE3
Rated power - P2:	15 kW
Power (P2) required by pump:	15 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D/660-690Y V
Rated current:	29,0-28,0/16,8-16,4 A
Starting current:	760-870 %
Cos phi - power factor:	0,86-0,82
Rated speed:	1460-1470 rpm
Efficiency:	IE3 92,1%
Lillololloy.	·
-	92.1 %
Motor efficiency at full load:	92.1 % 92.3 %
-	





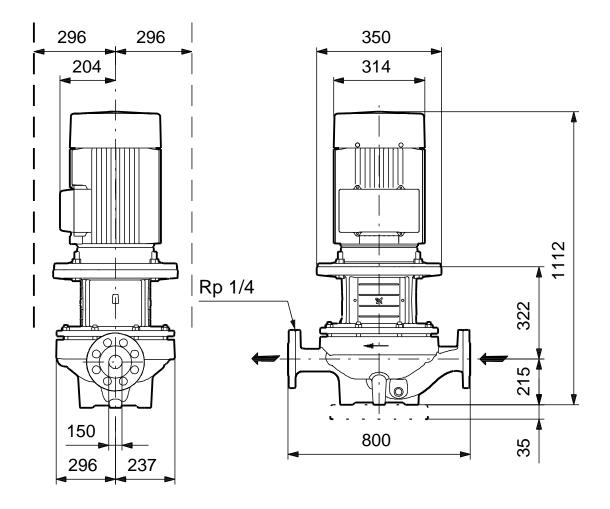
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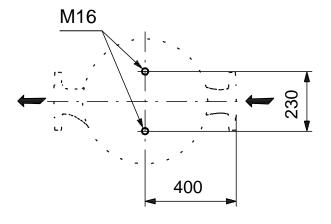
Description	Value
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	87420032
Others:	
Label:	Grundfos Blueflux
Minimum efficiency index, MEI:	0.65
ErP status:	EuP Standalone/Prod.
Net weight:	358 kg
Gross weight:	406 kg
Shipping volume:	1.32 m³
Danish:	VVS NO 381718200



Date: 06/09/2017

96109871 TP 150-200/4 50 Hz



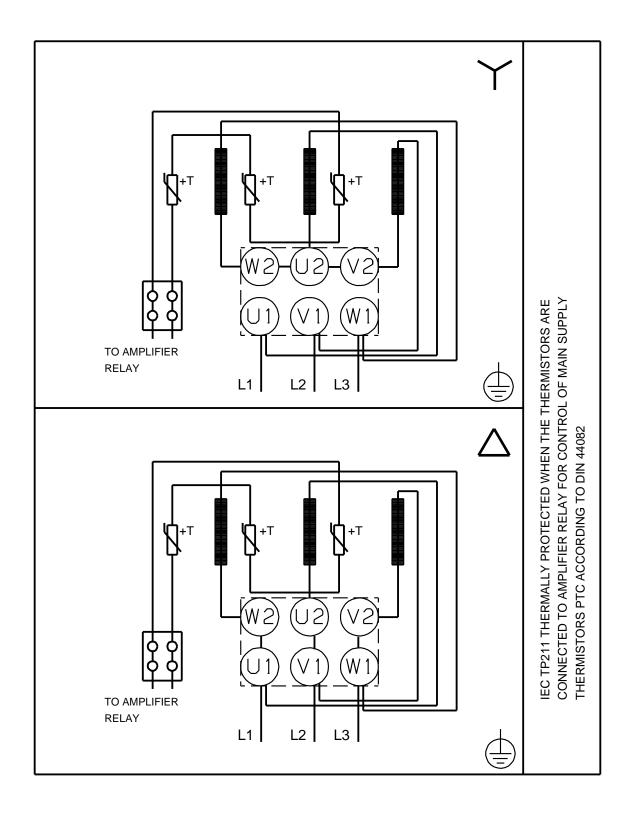


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 06/09/2017

96109871 TP 150-200/4 50 Hz



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