

Date: 29/01/2018

Position | Qty. | Description

1 TP 100-310/2 A-F-A-BQQE



Product No.: 96109193

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: 2945 rpm
Rated flow: 149 m³/h
Rated head: 26 m
Actual impeller diameter: 158 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 rating: PN 16 Port-to-port length: 550 mm Flange size for motor: FF300

Electrical data:

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



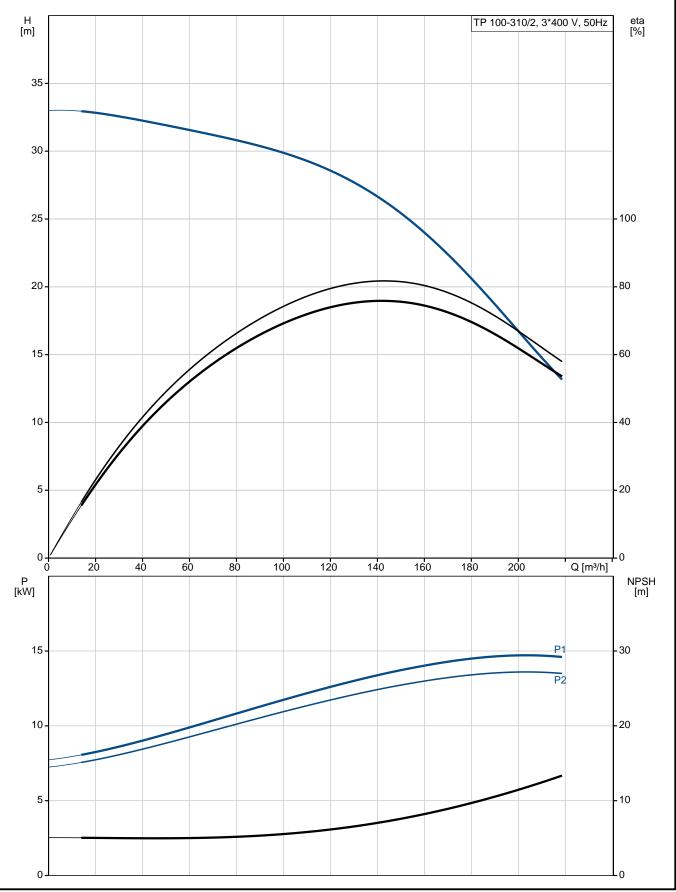
Date: 29/01/2018

			Date.	29/01/2010
Position	Qty.	Description		
		Rated voltage:	3 x 380-415D/660-690Y V	
		Rated current:	28,0-26,0/16,2-15,6 A	
		Starting current:	660-780 %	
		Cos phi - power factor:	0,89-0,87	
		Rated speed:	2930-2950 rpm	
		Efficiency:	IE3 91,9%	
		Motor efficiency at full load:	91.9 %	
		Motor efficiency at 3/4 load:	92.4 %	
		Motor efficiency at 1/2 load:	92.4 %	
		Number of poles:	2 FF Duct/letting	
		Enclosure class (IEC 34-5): Insulation class (IEC 85):	55 Dust/Jetting F	
		Insulation class (IEC 65).	F	
		Others:		
		Minimum efficiency index, MEI		
		ErP status:	EuP Standalone/Prod.	
		Net weight:	191 kg	
		Gross weight:	220 kg	
		Shipping volume:	1.12 m ³	
		Danish VVS No.:	VVS NO 381706310	
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Date: 29/01/2018

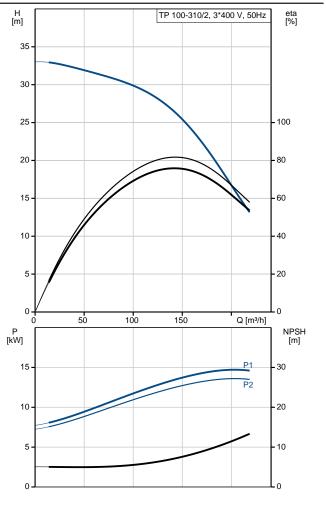
96109193 TP 100-310/2 50 Hz





Date: 29/01/2018

Description	Value
General information:	
Product name:	TP 100-310/2 A-F-A-BQQE
Product No:	96109193
EAN number:	5700396981703
Technical:	
Speed for pump data:	2945 rpm
Rated flow:	149 m³/h
Rated head:	26 m
Head max:	310 dm
Actual impeller diameter:	158 mm
Primary shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
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 rating:	PN 16
Port-to-port length:	550 mm
Flange size for motor:	FF300
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-25 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
·	
Electrical data: Motor type:	160MD
IE Efficiency class:	1E3
Rated power - P2:	15 kW 15 kW
Power (P2) required by pump:	-
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D/660-690Y V
Rated current:	28,0-26,0/16,2-15,6 A
Starting current:	660-780 %
Cos phi - power factor:	0,89-0,87
Rated speed:	2930-2950 rpm
	IE3 91,9%
Efficiency:	·
Efficiency: Motor efficiency at full load:	91.9 %
Efficiency: Motor efficiency at full load: Motor efficiency at 3/4 load:	91.9 % 92.4 %
Efficiency: Motor efficiency at full load:	91.9 %





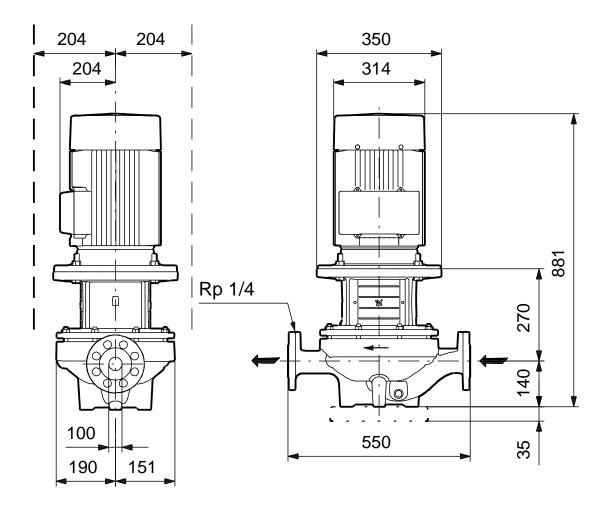
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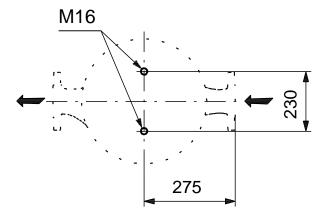
Description	Value
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	87420022
Others:	
Minimum efficiency index, MEI :	0.70
ErP status:	EuP Standalone/Prod.
Net weight:	191 kg
Gross weight:	220 kg
Shipping volume:	1.12 m³
Danish VVS No.:	VVS NO 381706310



Date: 29/01/2018

96109193 TP 100-310/2 50 Hz



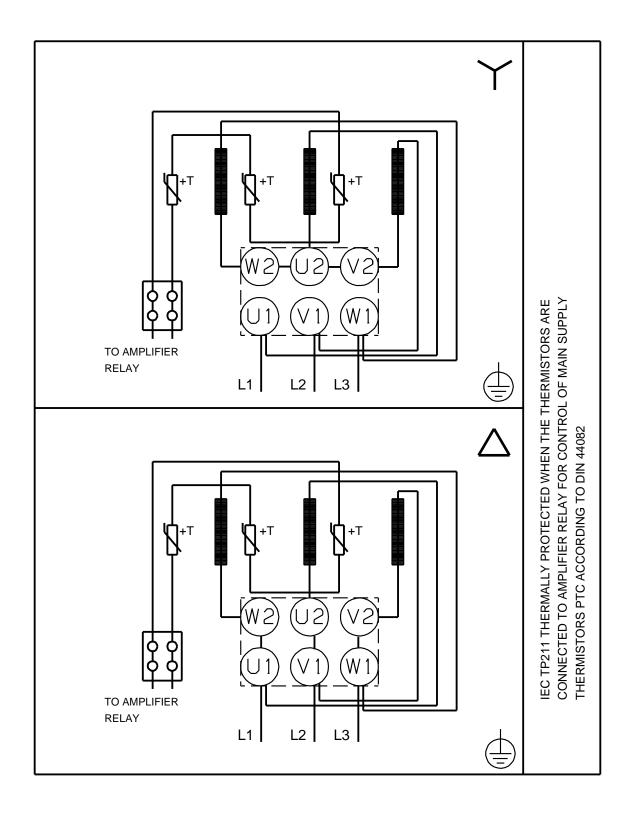


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 29/01/2018

96109193 TP 100-310/2 50 Hz



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