

Date: 29/01/2018

Position | Qty. | Description

1 TP 80-180/2 A-F-A-BQQE



Product No.: 96108718

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: 2910 rpm
Rated flow: 57.8 m³/h
Rated head: 13.7 m
Actual impeller diameter: 115 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 80** Pump inlet: **DN 80** Pump outlet: **DN 80** Pressure rating: PN 16 Port-to-port length: 360 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



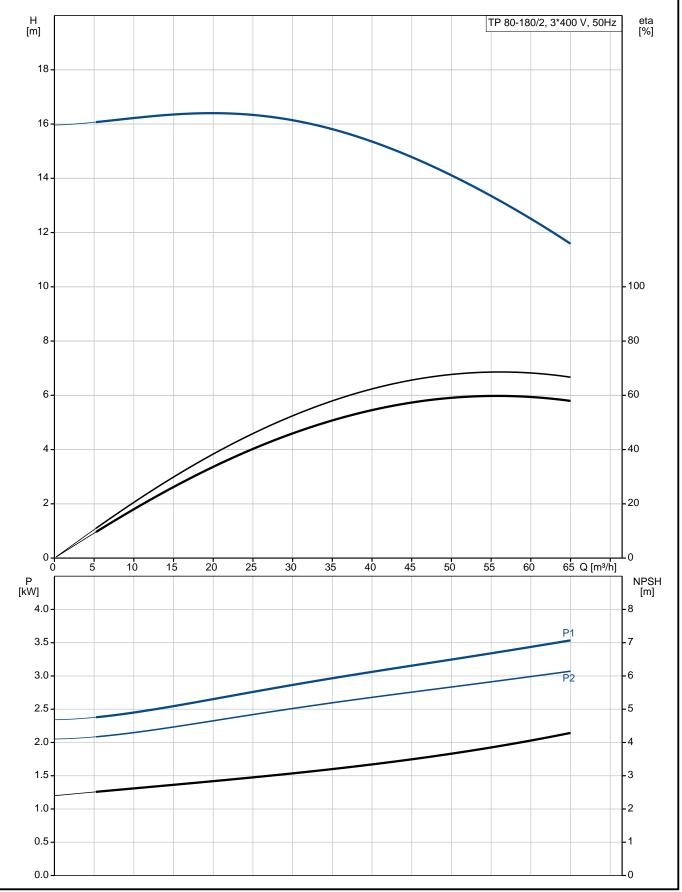
Date: 29/01/2018

			Date.	29/01/2010
Position	Qty.	Description		
		Rated voltage:	3 x 380-415D V	
		Rated current:	6.3 A	
		Starting current:	840-920 %	
		Cos phi - power factor:	0,87-0,82	
		Rated speed: Efficiency:	2900-2920 rpm IE3 87,1%	
		Motor efficiency at full load:	87.1 %	
		Motor efficiency at 3/4 load:	88.0 %	
		Motor efficiency at 1/2 load:	87.7 %	
		Number of poles:	2	
		Enclosure class (IEC 34-5):	55 Dust/Jetting F	
		Insulation class (IEC 85):	Г	
		Others:		
		Minimum efficiency index, MEI		
		ErP status: Net weight:	EuP Standalone/Prod. 67 kg	
		Gross weight:	84 kg	
		Shipping volume:	0.18 m ³	



Date: 29/01/2018

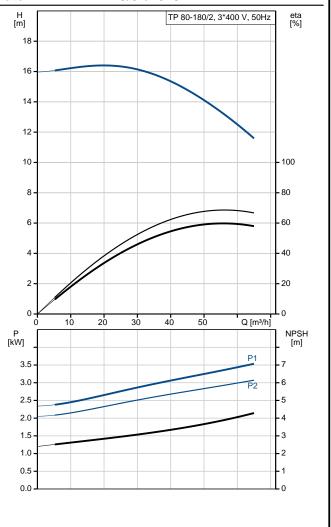
96108718 TP 80-180/2 50 Hz





Date: 29/01/2018

Description	Value
General information:	
Product name:	TP 80-180/2 A-F-A-BQQE
Product No:	96108718
EAN number:	5700396976846
Technical:	2010 rpm
Speed for pump data:	2910 rpm
Rated flow:	57.8 m³/h
Rated head:	13.7 m
Head max:	180 dm
Actual impeller diameter:	115 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
impolior.	EN-JL1030
	ASTM A48-30 B
Material code:	A3 1 W A40-30 B
Material odde.	- A
Installation:	
Range of ambient temperature:	-30 60 °C
Maximum operating pressure:	16 bar
Flange standard:	DIN
Connect code:	F
Pipe connection:	DN 80
Pump inlet:	DN 80
Pump outlet:	DN 80
Pressure rating:	PN 16
Port-to-port length:	360 mm
Flange size for motor:	FF215
Liquid:	Matan
Pumped liquid:	Water
Liquid temperature range:	-25 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
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
Rated voltage:	3 x 380-415D V
Rated current:	6.3 A
Starting current:	840-920 %
Cos phi - power factor:	0,87-0,82
Rated speed:	2900-2920 rpm
Efficiency:	IE3 87,1%
Motor efficiency at full load:	87.1 %
Motor efficiency at 3/4 load:	88.0 %
Motor efficiency at 1/2 load:	87.7 %
Number of poles:	2





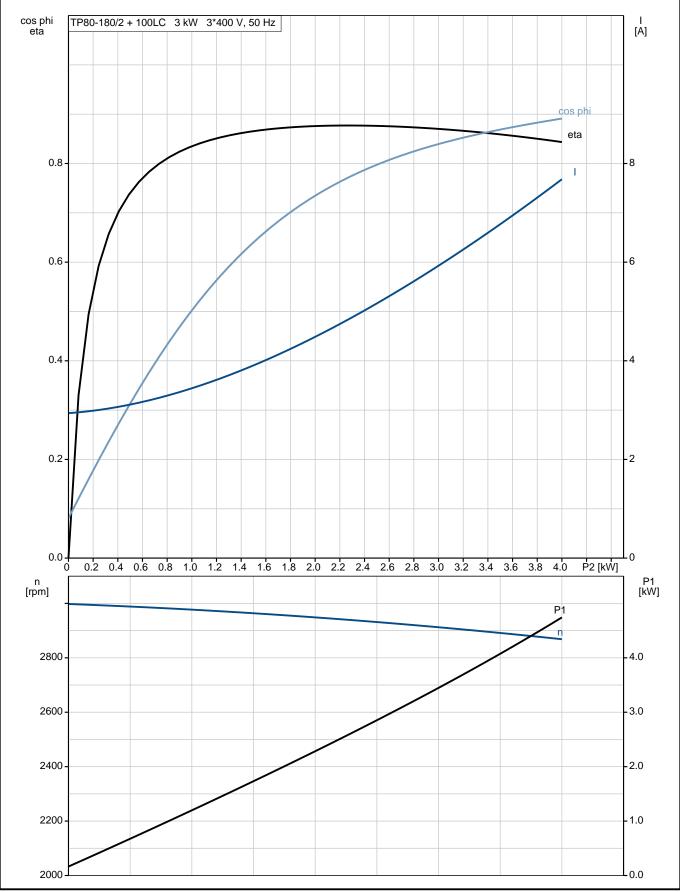
Date: 29/01/2018

Description	Value
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	87272297
Others:	
Minimum efficiency index, MEI:	0.69
ErP status:	EuP Standalone/Prod.
Net weight:	67 kg
Gross weight:	84 kg
Shipping volume:	0.18 m³



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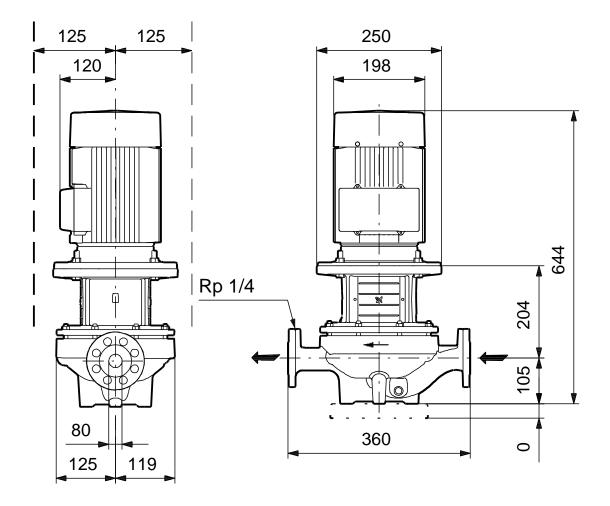
96108718 TP 80-180/2 50 Hz

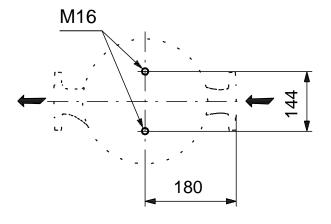




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96108718 TP 80-180/2 50 Hz



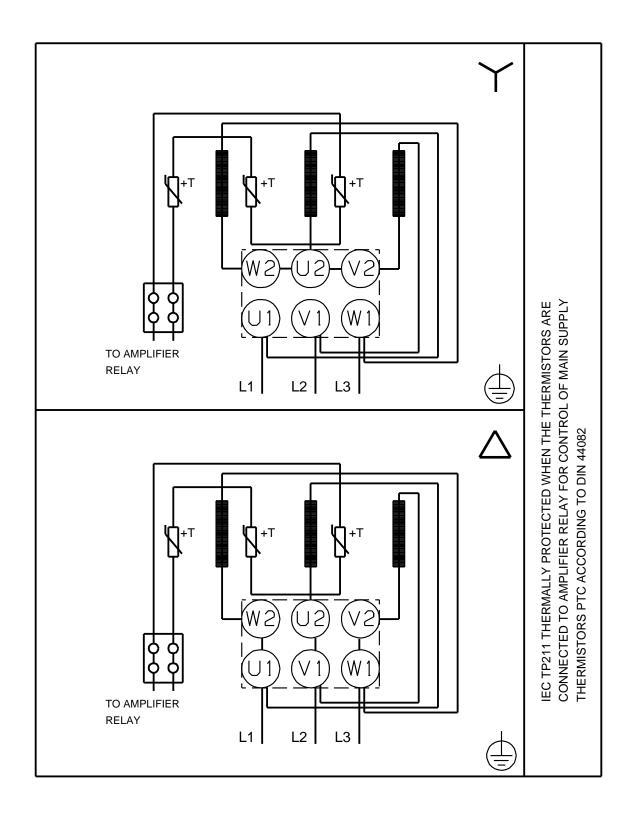


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 29/01/2018

96108718 TP 80-180/2 50 Hz



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