GRUNDFOS

Company name:
Created by:
Phone:

Date: 30/08/2017

Position	Qty.	Description
	1	**TP 80-60/4 AI-F-A-BQQE**

Product No.: 98958022

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 6 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:	1420 rpm
Rated flow:	39.1 m³/h
Rated head:	4.97 m
Actual impeller diameter:	133 mm
Primary shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B

Materials:

Pump housing:	Cast iron EN-JL1040 ASTM A48-40 B
Impeller:	Stainless steel DIN W.-Nr. 1.4301 AISI 304

Installation:

Range of ambient temperature:	-30 .. 40 °C
Maximum operating pressure:	6 bar
Flange standard:	DIN
Pipe connection:	DN 80
Pump inlet:	DN 80
Pump outlet:	DN 80
Pressure stage:	PN 6
Port-to-port length:	360 mm
Flange size for motor:	FT115

Electrical data:

Motor type:	90SA
IE Efficiency class:	NA
Rated power - P2:	0.75 kW
Power (P2) required by pump:	0.75 kW
Mains frequency:	50 Hz

Position	Qty.	Description

Rated voltage:	1 x 220-230 V
Rated current:	5.45 A
Starting current:	320 %
Cos phi - power factor:	0,96
Rated speed:	1390-1410 rpm
Motor efficiency at full load:	71-70 %
Number of poles:	4
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F

Others:

Minimum efficiency index, MEI ≥:	0.70
ErP status:	EuP Standalone/Prod.
Net weight:	47.2 kg
Gross weight:	53.8 kg
Shipping volume:	0.16 m^3

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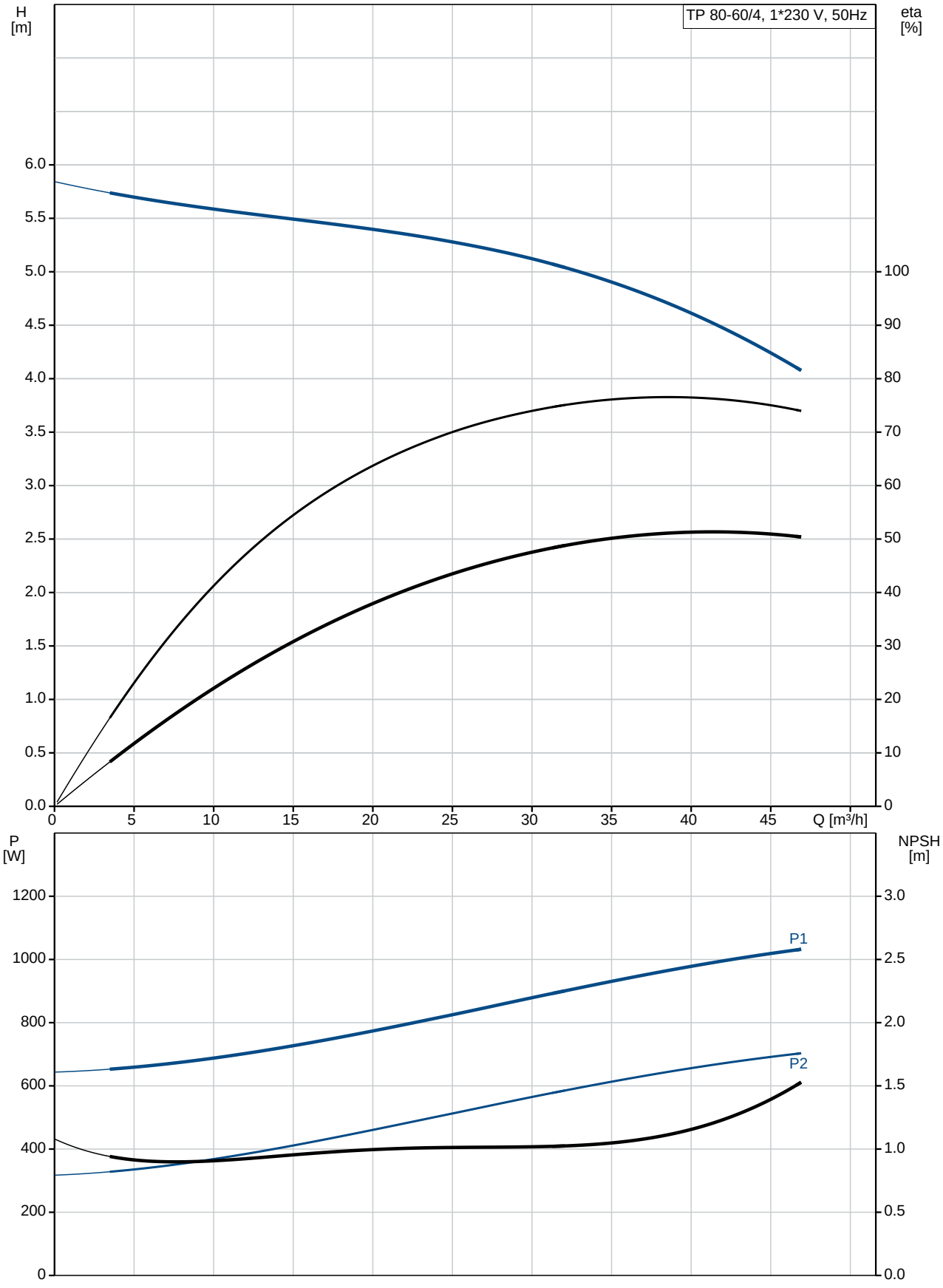
98958022 TP 80-60/4 50 Hz



Company name:
Created by:
Phone:

Date: 30/08/2017

Description	Value
General information:	
Product name:	TP 80-60/4 AI-F-A-BQQE
Product No:	98958022
EAN number:	5712604244890
Technical:	
Speed for pump data:	1420 rpm
Rated flow:	39.1 m³/h
Rated head:	4.97 m
Head max:	60 dm
Actual impeller diameter:	133 mm
Primary shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	AI
Model:	A
Materials:	
Pump housing:	Cast iron
	EN-JL1040
	ASTM A48-40 B
Impeller:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304
Material code:	A
Installation:	
Range of ambient temperature:	-30 .. 40 °C
Maximum operating pressure:	6 bar
Flange standard:	DIN
Connect code:	F
Pipe connection:	DN 80
Pump inlet:	DN 80
Pump outlet:	DN 80
Pressure stage:	PN 6
Port-to-port length:	360 mm
Flange size for motor:	FT115
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:	90SA
IE Efficiency class:	NA
Rated power - P2:	0.75 kW
Power (P2) required by pump:	0.75 kW
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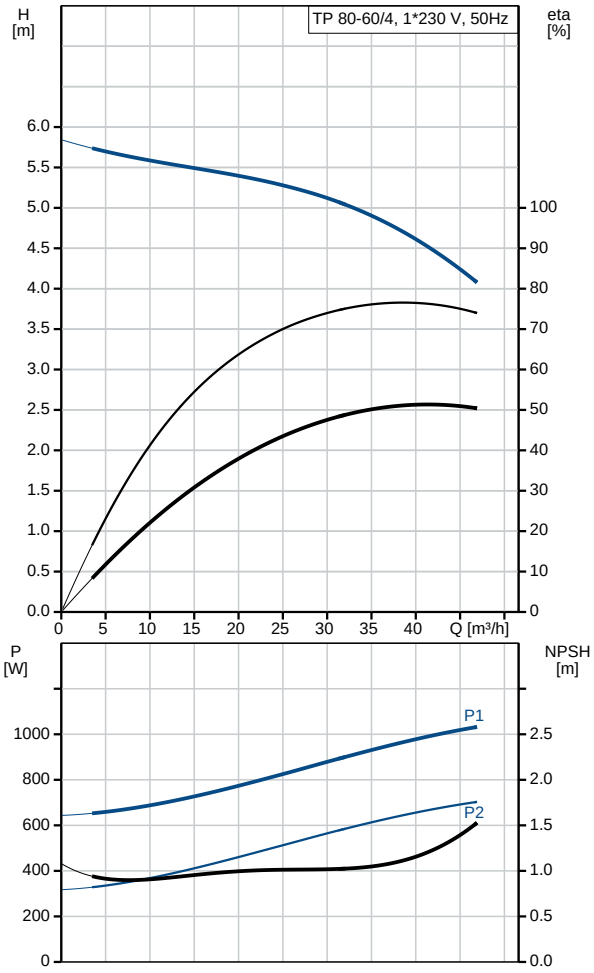
Rated speed:	1390-1410 rpm
Motor efficiency at full load:	71-70 %
Number of poles:	4
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTO



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Description	Value
Motor No:	86215704
Others:	
Minimum efficiency index, MEI ≥:	0.70
ErP status:	EuP Standalone/Prod.
Net weight:	47.2 kg
Gross weight:	53.8 kg
Shipping volume:	0.16 m³

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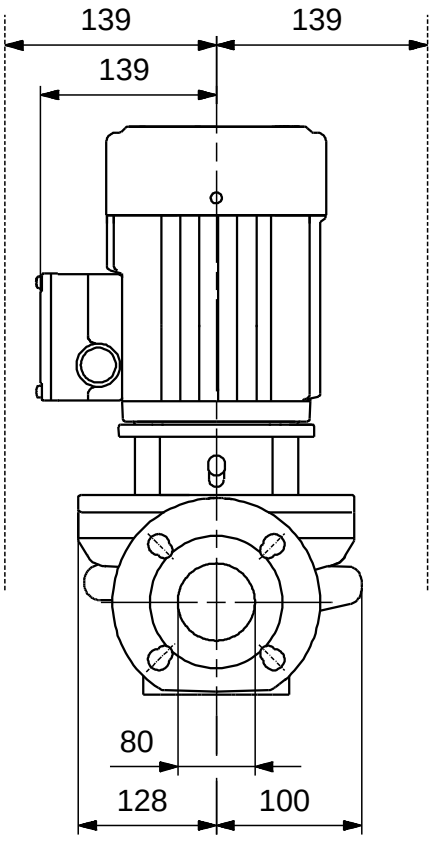
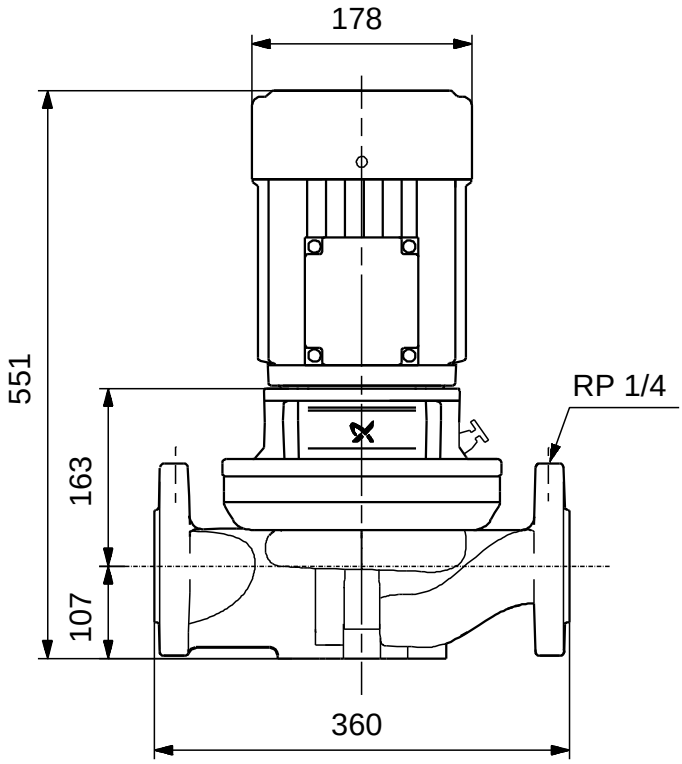
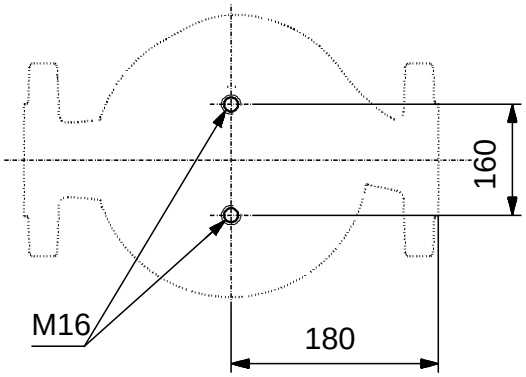
98958022 TP 80-60/4 50 Hz







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

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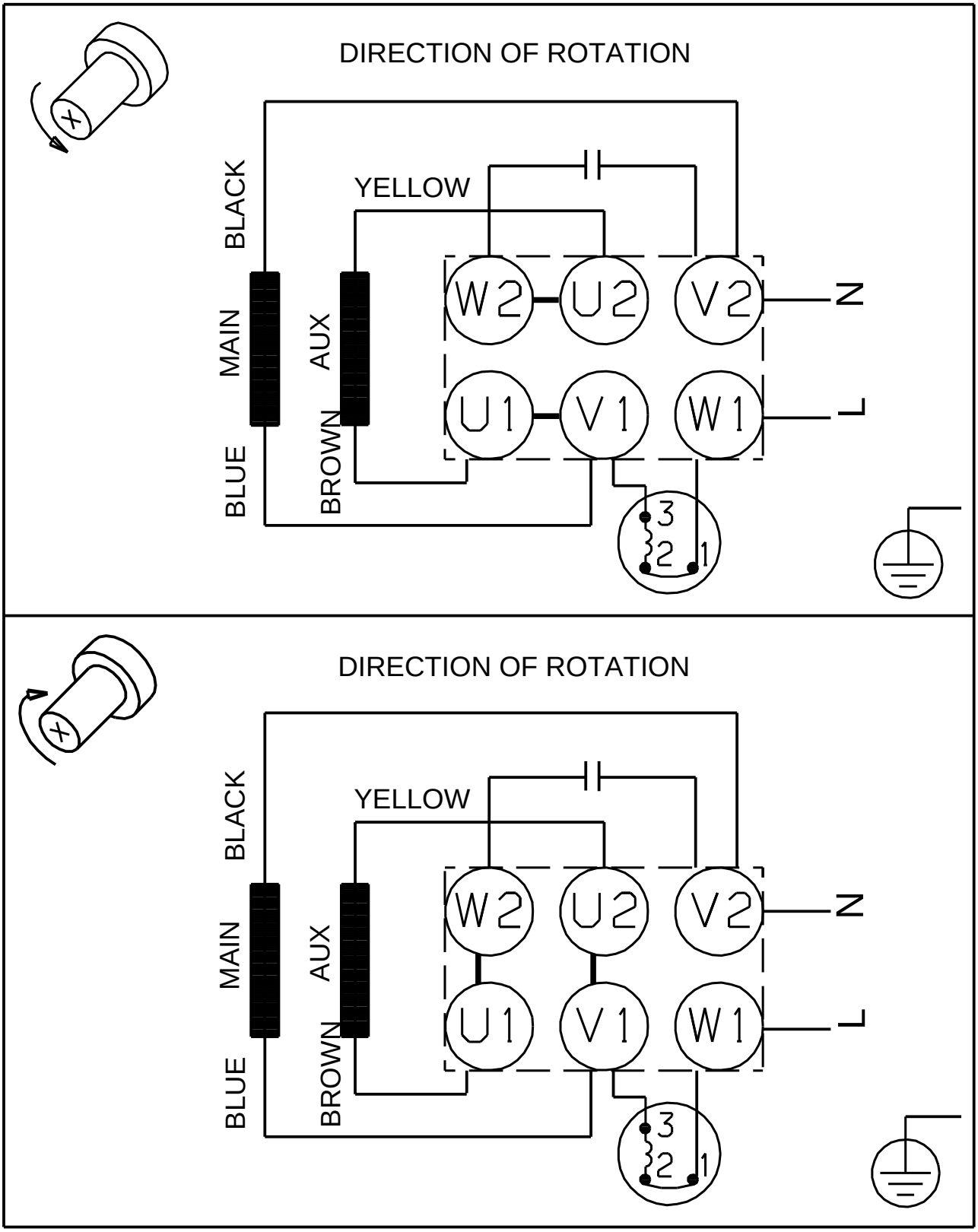
98958022 TP 80-60/4 50 Hz



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