

Qty. Description

1 TP 80-120/2 AI-F-A-BQQE-HW1



Note! Product picture may differ from actual product

Product No.: [98843904](#)

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.

Controls:

Frequency converter: None

Liquid:

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

Technical:

Pump speed on which pump data are based: 2910 rpm
 Rated flow: 42.5 m³/h
 Rated head: 7.91 m
 Actual impeller diameter: 95 mm
 Code for shaft seal: BQQE
 Curve tolerance: ISO9906:2012 3B2

Materials:

Pump housing: Cast iron
 EN-GJL-250
 ASTM class 35
 Impeller: Stainless steel
 EN 1.4301
 AISI 304

Installation:

Range of ambient temperature: -30 .. 60 °C
 Maximum operating pressure: 6 bar
 Max pressure at stated temp: 6 bar / 120 °C
 Type of connection: DIN
 Size of connection: DN 80
 Pressure rating for connection: PN 6
 Port-to-port length: 360 mm
 Flange size for motor: FT115

Electrical data:

Motor type: 90SD

Qty.	Description																																																
1	<table border="0"> <tr> <td>Rated power - P2:</td> <td>1.5 kW</td> </tr> <tr> <td>Mains frequency:</td> <td>50 Hz</td> </tr> <tr> <td>Rated voltage:</td> <td>3 x 220-240D/380-415Y V</td> </tr> <tr> <td>Rated current:</td> <td>5.70/3.30 A</td> </tr> <tr> <td>Starting current:</td> <td>750-820 %</td> </tr> <tr> <td>Cos phi - power factor:</td> <td>0.84-0.78</td> </tr> <tr> <td>Rated speed:</td> <td>2890-2910 rpm</td> </tr> <tr> <td>IE Efficiency class:</td> <td>IE3</td> </tr> <tr> <td>Motor efficiency at full load:</td> <td>84.2-84.2 %</td> </tr> <tr> <td>Motor efficiency at 3/4 load:</td> <td>86.4-84.9 %</td> </tr> <tr> <td>Motor efficiency at 1/2 load:</td> <td>86.0-83.0 %</td> </tr> <tr> <td>Number of poles:</td> <td>2</td> </tr> <tr> <td>Enclosure class (IEC 34-5):</td> <td>55 Dust/Jetting</td> </tr> <tr> <td>Insulation class (IEC 85):</td> <td>F</td> </tr> <tr> <td>Motor No:</td> <td>85U01906</td> </tr> <tr> <td colspan="2"> Others:</td> </tr> <tr> <td>Minimum efficiency index, MEI ≥:</td> <td>0.70</td> </tr> <tr> <td>Net weight:</td> <td>47.2 kg</td> </tr> <tr> <td>Gross weight:</td> <td>55.8 kg</td> </tr> <tr> <td>Shipping volume:</td> <td>0.204 m³</td> </tr> <tr> <td>Finnish LVI No.:</td> <td>4616094</td> </tr> <tr> <td>Norwegian NRF no.:</td> <td>9043589</td> </tr> <tr> <td>Country of origin:</td> <td>HU</td> </tr> <tr> <td>Custom tariff no.:</td> <td>84137051</td> </tr> </table>	Rated power - P2:	1.5 kW	Mains frequency:	50 Hz	Rated voltage:	3 x 220-240D/380-415Y V	Rated current:	5.70/3.30 A	Starting current:	750-820 %	Cos phi - power factor:	0.84-0.78	Rated speed:	2890-2910 rpm	IE Efficiency class:	IE3	Motor efficiency at full load:	84.2-84.2 %	Motor efficiency at 3/4 load:	86.4-84.9 %	Motor efficiency at 1/2 load:	86.0-83.0 %	Number of poles:	2	Enclosure class (IEC 34-5):	55 Dust/Jetting	Insulation class (IEC 85):	F	Motor No:	85U01906	 Others:		Minimum efficiency index, MEI ≥:	0.70	Net weight:	47.2 kg	Gross weight:	55.8 kg	Shipping volume:	0.204 m ³	Finnish LVI No.:	4616094	Norwegian NRF no.:	9043589	Country of origin:	HU	Custom tariff no.:	84137051
Rated power - P2:	1.5 kW																																																
Mains frequency:	50 Hz																																																
Rated voltage:	3 x 220-240D/380-415Y V																																																
Rated current:	5.70/3.30 A																																																
Starting current:	750-820 %																																																
Cos phi - power factor:	0.84-0.78																																																
Rated speed:	2890-2910 rpm																																																
IE Efficiency class:	IE3																																																
Motor efficiency at full load:	84.2-84.2 %																																																
Motor efficiency at 3/4 load:	86.4-84.9 %																																																
Motor efficiency at 1/2 load:	86.0-83.0 %																																																
Number of poles:	2																																																
Enclosure class (IEC 34-5):	55 Dust/Jetting																																																
Insulation class (IEC 85):	F																																																
Motor No:	85U01906																																																
 Others:																																																	
Minimum efficiency index, MEI ≥:	0.70																																																
Net weight:	47.2 kg																																																
Gross weight:	55.8 kg																																																
Shipping volume:	0.204 m ³																																																
Finnish LVI No.:	4616094																																																
Norwegian NRF no.:	9043589																																																
Country of origin:	HU																																																
Custom tariff no.:	84137051																																																



Company name:

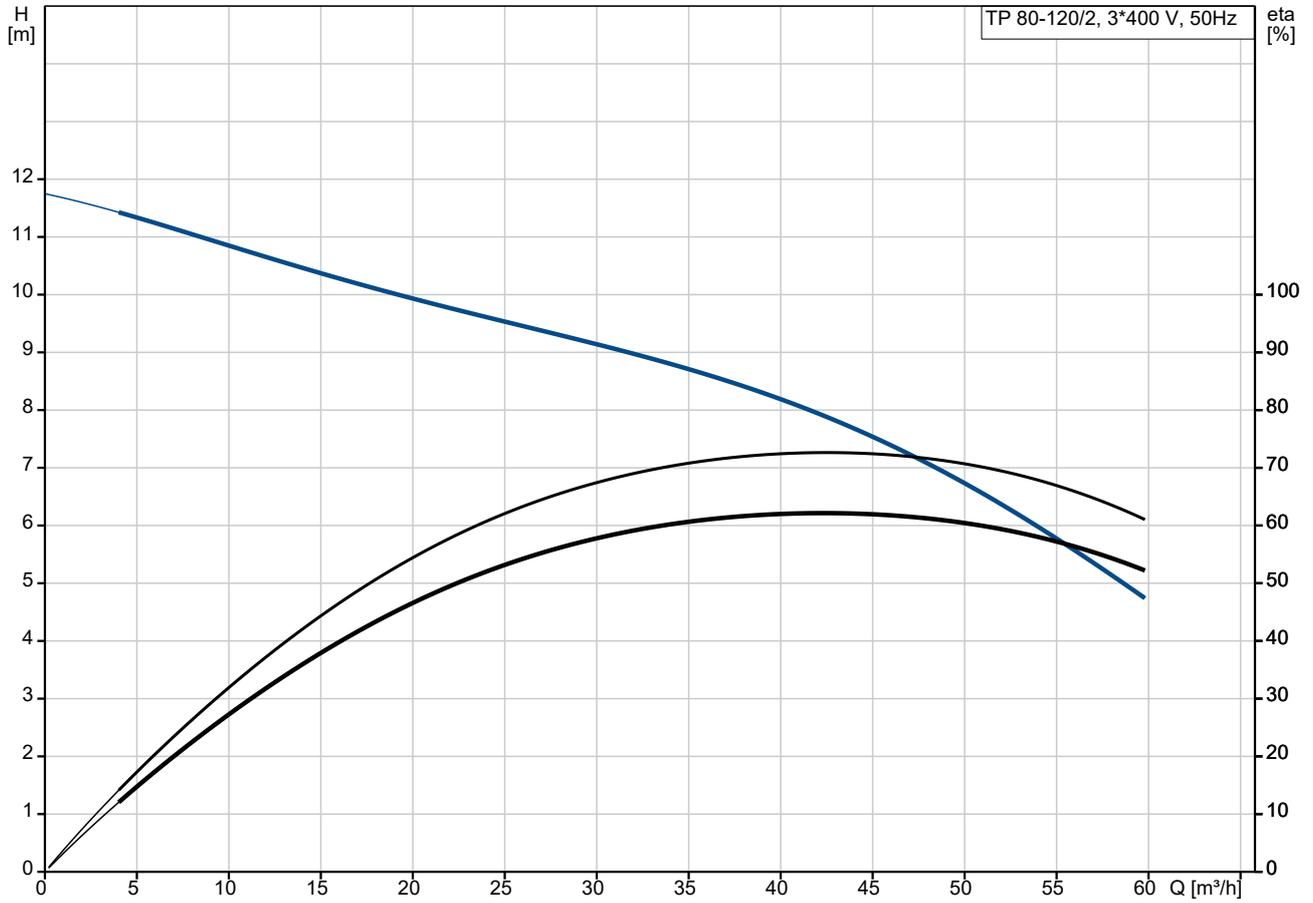
Created by:

Phone:

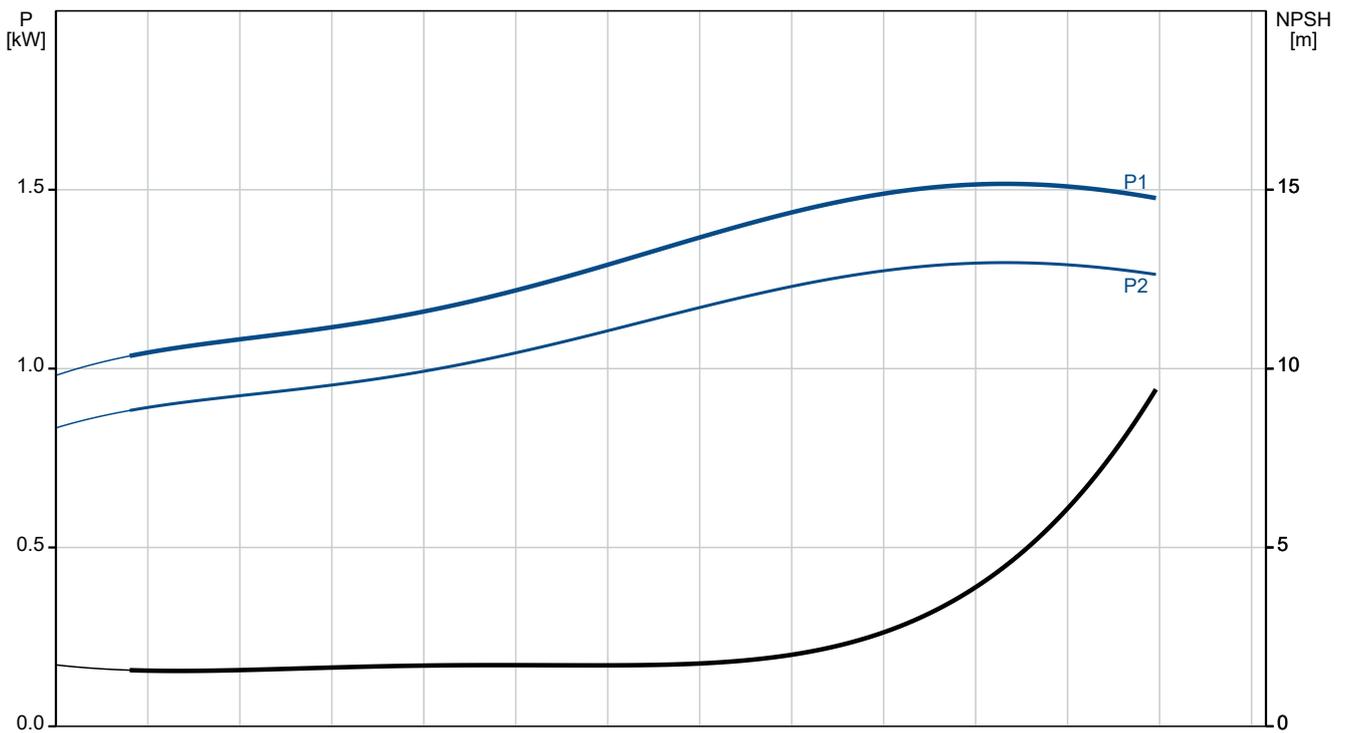
Date:

03/01/2024

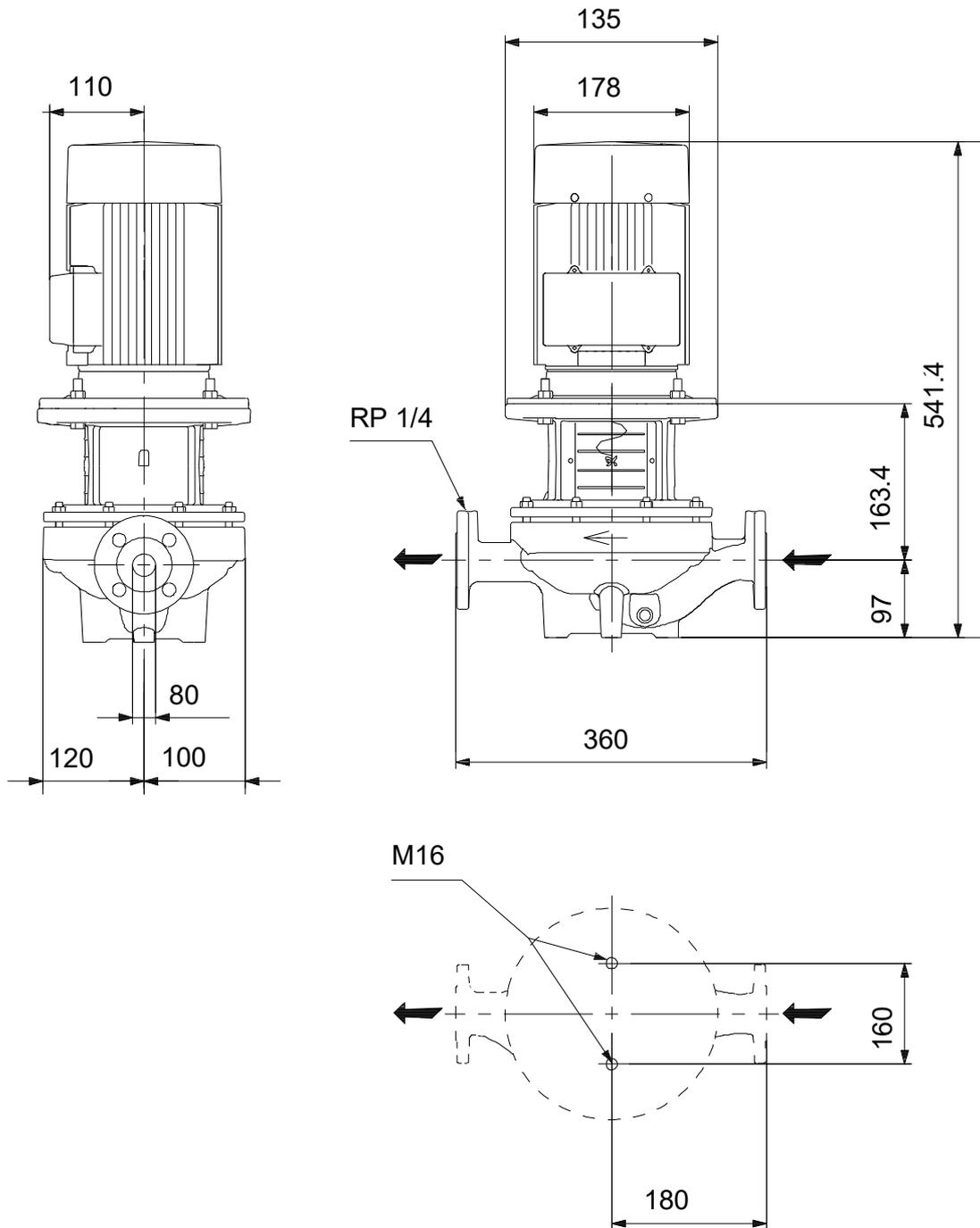
98843904 TP 80-120/2 AI-F-A-BQQE-HW1 50 Hz



Pumped liquid = Water
Liquid temperature during operation = 20 °C
Density = 998.2 kg/m³



98843904 TP 80-120/2 AI-F-A-BQQE-HW1 50 Hz



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