
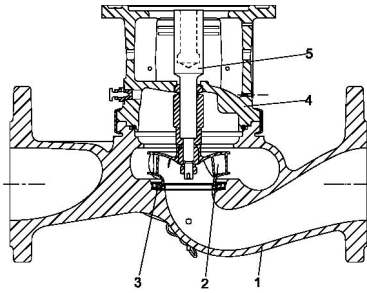
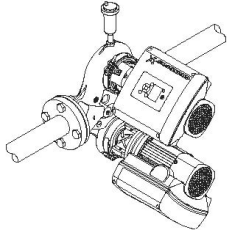


Qty.	Description
1	<p data-bbox="204 324 606 369">TPE2 D 80-120 N-A-F-A-BQQE-GDB</p> <div data-bbox="255 380 526 705">  </div> <p data-bbox="590 683 1061 705">Note! Product picture may differ from actual product</p> <p data-bbox="204 716 462 750">Product No.: 98437673</p> <p data-bbox="204 772 1460 828">Single-stage, close-coupled, volute twin-head pump with in-line suction and discharge ports of identical diameter. The twin-head pump is designed with two parallel power-heads.</p> <p data-bbox="204 828 1404 884">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.</p> <p data-bbox="204 884 909 918">Each power head is fitted with an unbalanced rubber bellows seal.</p> <p data-bbox="204 918 1460 952">The shaft seal is according to EN 12756. Pipework connection is via PN 10 DIN flanges (EN 1092-2 and ISO 7005-2).</p> <p data-bbox="204 974 1388 1030">Each power head is fitted with a fan-cooled, permanent-magnet synchronous motor of identical size. The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.</p> <p data-bbox="204 1030 1460 1086">Wireless communication between the two power heads is quickly and easily obtained. The pump heads can be set to cascade mode, alternating mode or duty/standby.</p> <p data-bbox="204 1086 1460 1176">The product's minimum efficiency index (MEI) is greater or equal to 0.70. This is by the Commission Regulation (EU) considered as an indicative benchmark for best-performing water pump available on the market as from 1 January 2013.</p> <p data-bbox="204 1176 1460 1254">An operating panel on the motor terminal box enables setting of required setpoint as well as setting of pump to "Min." or "Max." operation or to "Stop". The Grundfos Eye indicator on the operating panel provides visual indication of pump status:</p> <ul data-bbox="239 1254 1460 1411" style="list-style-type: none"> • "Power on": Motor is running (rotating green indicator lights) or not running (permanently green indicator lights) • "Warning": Motor is still running (rotating yellow indicator lights) or has stopped (permanently yellow indicator lights) • "Alarm": Motor has stopped (flashing red indicator lights). <p data-bbox="204 1411 1428 1489">Communication with the pump is possible by means of Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".</p> <p data-bbox="204 1489 1460 1579">Cast-iron parts have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface.</p> <p data-bbox="204 1612 279 1646">Pump</p> <div data-bbox="207 1657 574 1948">  </div> <ul data-bbox="204 1971 478 2105" style="list-style-type: none"> 1: Pump housing 2: Impeller 3: Neck ring 4: Pump head/motor stool

Qty.	Description
	<p>5: Stub shaft</p> <p>The twin-head pump is designed with two parallel power-heads. A flap valve in the common discharge port is opened by the flow of the pumped liquid and prevents backflow of liquid into the idle pump head.</p> <p>The pump housing is provided with a replaceable stainless steel/PTFE neck ring to reduce the amount of liquid running from the discharge side of the impeller to the suction side.</p> <p>The impeller is secured to the shaft with a nut.</p> <p>The pump is fitted with an unbalanced rubber bellows seal with torque transmission across the spring and around the bellows. Due to the bellows, the seal does not wear the shaft, and the axial movement is not prevented by deposits on the shaft.</p> <p>Seal faces:</p> <ul style="list-style-type: none"> • Rotating seal ring material: silicon carbide (SiC) • Stationary seat material: silicon carbide (SiC) <p>This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.</p> <p>Secondary seal material: EPDM (ethylene-propylene rubber)</p> <p>EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.</p> <p>Twin-head pumps installed in horizontal pipes must be fitted with an automatic air vent in the upper part of the pump housing. The automatic air vent is not supplied with the pump.</p>  <p>The motor stool forms connection between the pump housing and the motor, and is equipped with a manual air vent screw for venting of the pump housing and the shaft seal chamber. The sealing between motor stool and pump housing is an O-ring.</p> <p>The central part of the motor stool is provided with guards for protection against the shaft and coupling. The pump shaft is fastened directly on the motor shaft with key and set screws.</p> <p>Motor</p> <p>The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.</p> <p>The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.</p> <p>The motor requires no external motor protection. The motor control unit incorporates protection against slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.</p> <p>Further product details</p> <p>Cast-iron parts have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface.</p> <p>Technical data</p> <p>Controls:</p> <p>Frequency converter: Built-in</p> <p>Liquid:</p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: -25 .. 120 °C</p> <p>Selected liquid temperature: 20 °C</p> <p>Density: 998.2 kg/m³</p> <p>Technical:</p> <p>Pump speed on which pump data are based: 3000 rpm</p> <p>Rated flow: 34.5 m³/h</p>



Company name: Pump Sales Direct

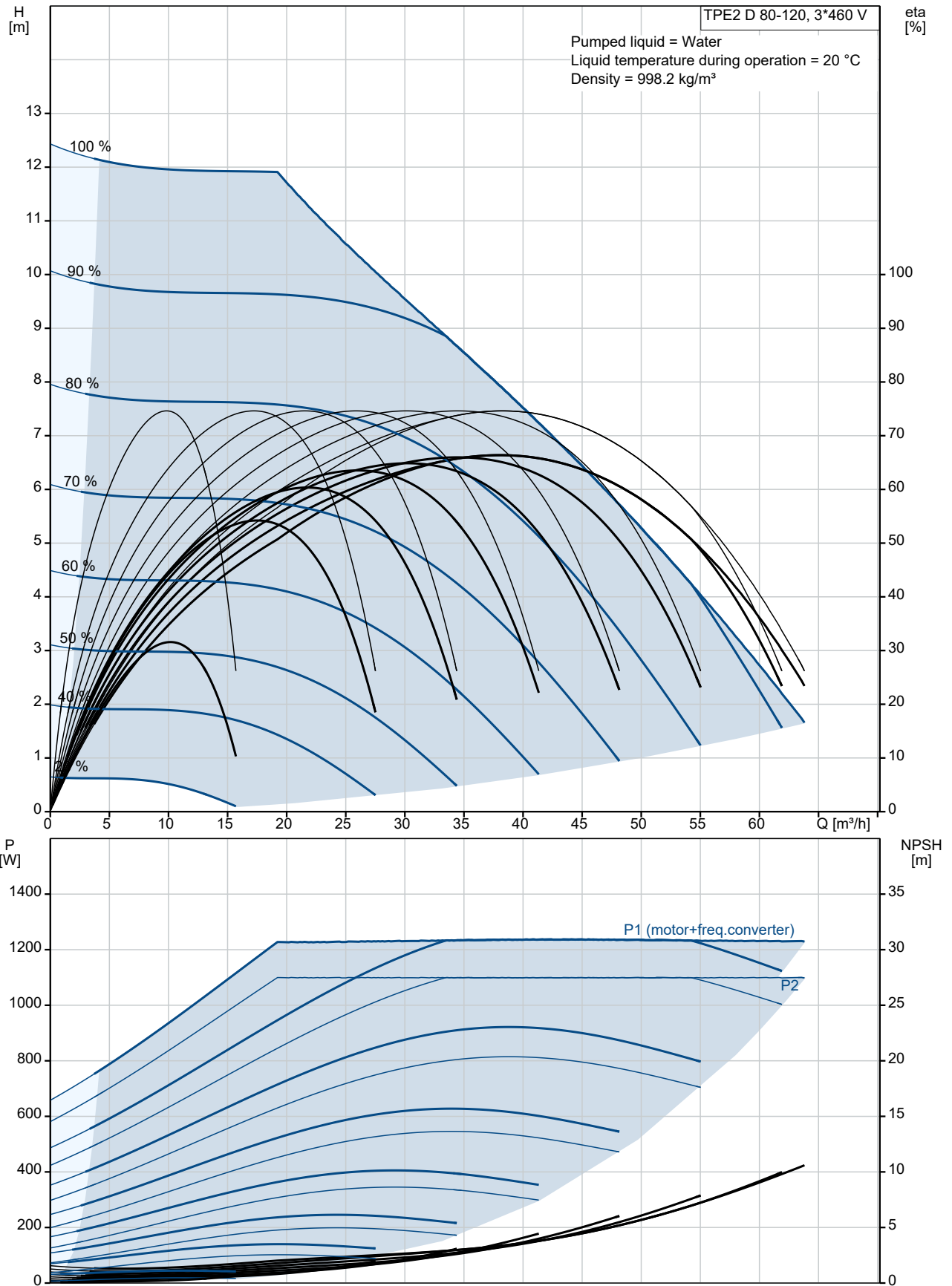
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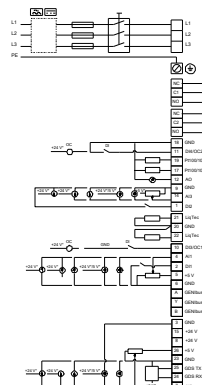
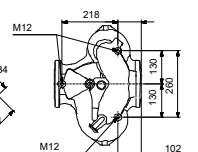
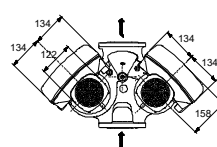
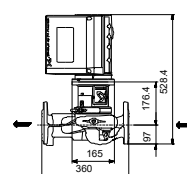
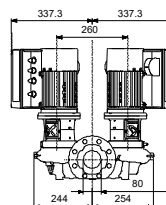
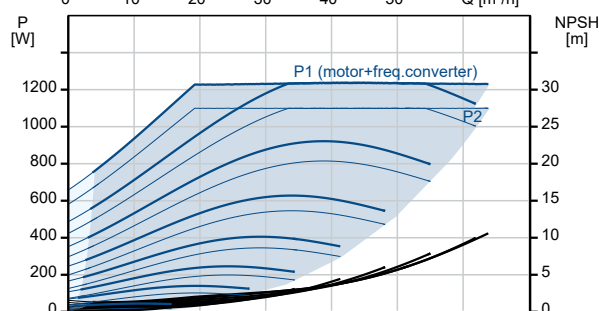
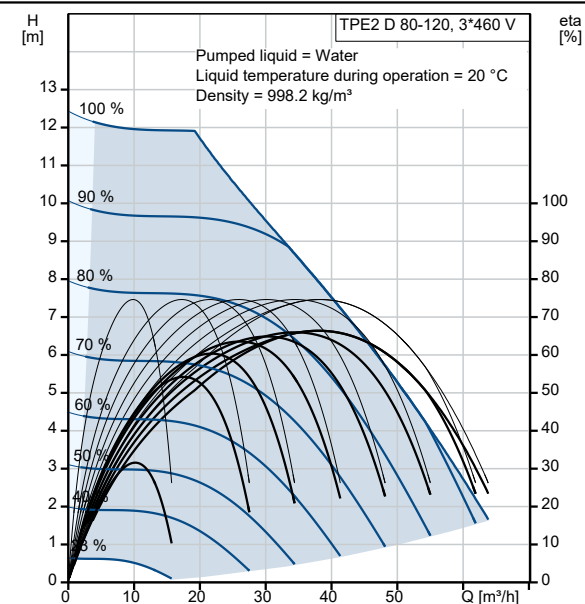
Date: 23/06/2022

Qty.	Description
	<div><div>Rated head:7.9 m</div><div>Actual impeller diameter:90 mm</div><div>Code for shaft seal:BQQE</div><div>Curve tolerance:ISO9906:2012 3B2</div></div>
	<div>Materials:</div> <div><div>Pump housing:Cast iron</div><div>EN-GJL-250</div><div>ASTM class 35</div></div> <div><div>Impeller:Composite</div><div>PES+30% GF</div></div>
	<div>Installation:</div> <div><div>Range of ambient temperature:-20 .. 50 °C</div><div>Maximum operating pressure:10 bar</div><div>Max pressure at stated temp:10 bar / 120 °C</div><div>Type of connection:DIN</div><div>Size of connection:DN 80</div><div>Pressure rating for connection:PN 10</div><div>Port-to-port length:360 mm</div><div>Flange size for motor:56C</div></div>
	<div>Electrical data:</div> <div><div>Motor type:80B</div><div>IE Efficiency class:IE5</div><div>Rated power - P2:1.1 kW</div><div>Mains frequency:50 / 60 Hz</div><div>Rated voltage:3 x 380-500 V</div><div>Rated current:2.20-1.90 A</div><div>Cos phi - power factor:0.89-0.79</div><div>Rated speed:360-4000 rpm</div><div>Efficiency:89.1%</div><div>Motor efficiency at full load:89.1 %</div><div>Enclosure class (IEC 34-5):IP55</div><div>Insulation class (IEC 85):F</div><div>Motor No:99138019</div></div>
	<div>Others:</div> <div><div>Minimum efficiency index, MEI ≥:0.70</div><div>Net weight:63.8 kg</div><div>Gross weight:77.1 kg</div><div>Shipping volume:0.252 m³</div><div>Country of origin:HU</div><div>Custom tariff no.:84137065</div></div>

98437673 TPE2 D 80-120 N-A-F-A-BQQE-GDB



Description	Value
General information:	
Product name:	TPE2 D 80-120 N-A-F-A-BQQE-GDB
Product No:	98437673
EAN number:	5711495008390
Technical:	
Pump speed on which pump data are based:	3000 rpm
Rated flow:	34.5 m³/h
Rated head:	7.9 m
Maximum head:	120 dm
Actual impeller diameter:	90 mm
Code for shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B2
Pump version:	A
Materials:	
Pump housing:	Cast iron
Pump housing:	EN-GJL-250
Pump housing:	ASTM class 35
Impeller:	Composite
Impeller:	PES+30% GF
Material code:	A
Installation:	
Range of ambient temperature:	-20 .. 50 °C
Maximum operating pressure:	10 bar
Max pressure at stated temp:	10 bar / 120 °C
Type of connection:	DIN
Size of connection:	DN 80
Pressure rating for connection:	PN 10
Port-to-port length:	360 mm
Flange size for motor:	56C
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-25 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor type:	80B
IE Efficiency class:	IE5
Rated power - P2:	1.1 kW
Mains frequency:	50 / 60 Hz
Rated voltage:	3 x 380-500 V
Rated current:	2.20-1.90 A
Cos phi - power factor:	0.89-0.79
Rated speed:	360-4000 rpm
Efficiency:	89.1%
Motor efficiency at full load:	89.1 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	ELEC
Motor No:	99138019
Controls:	
Control panel:	HMI200 - Standard
Function Module:	FM300 - Advanced
Frequency converter:	Built-in
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	63.8 kg





Company name: Pump Sales Direct

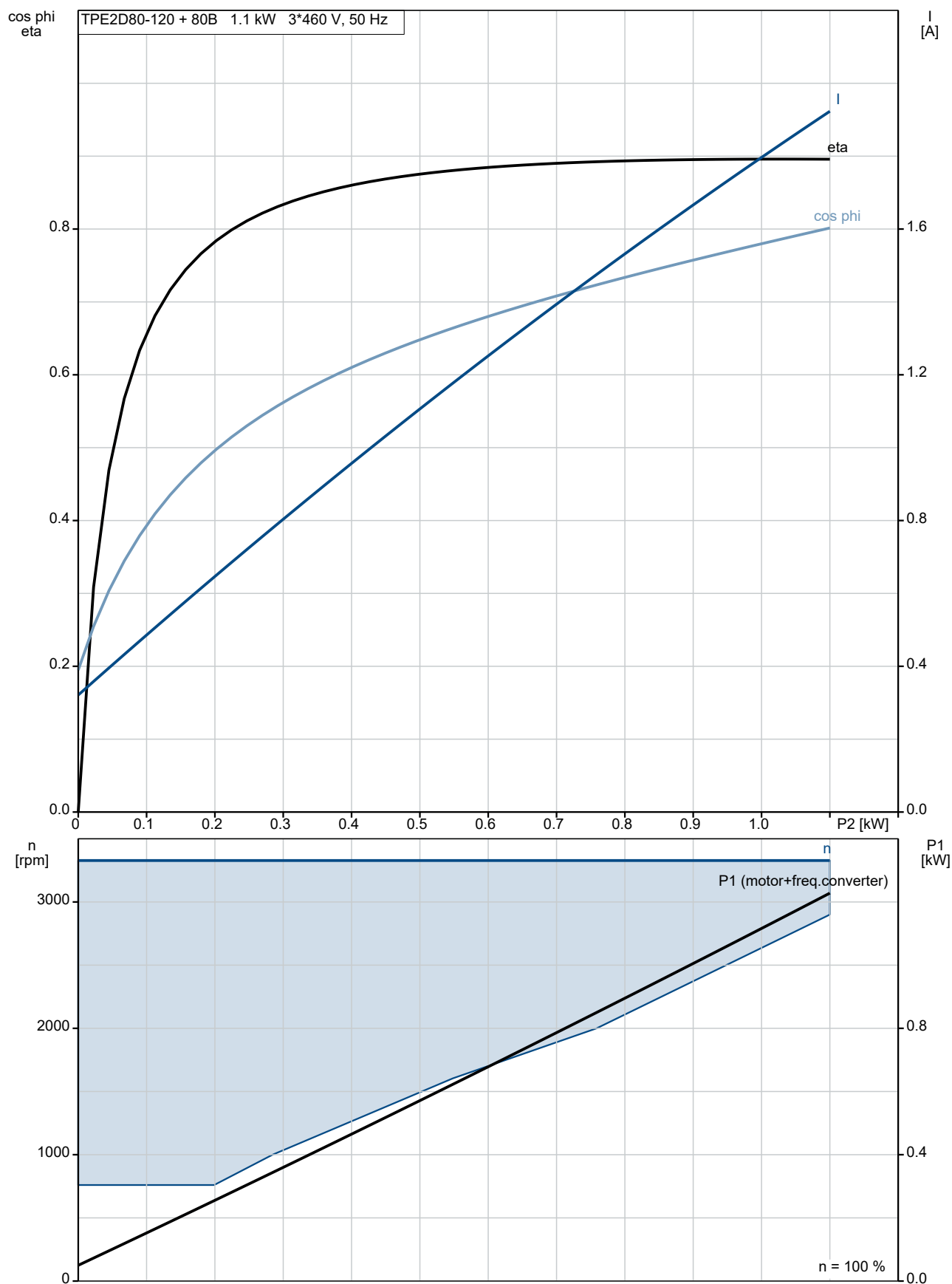
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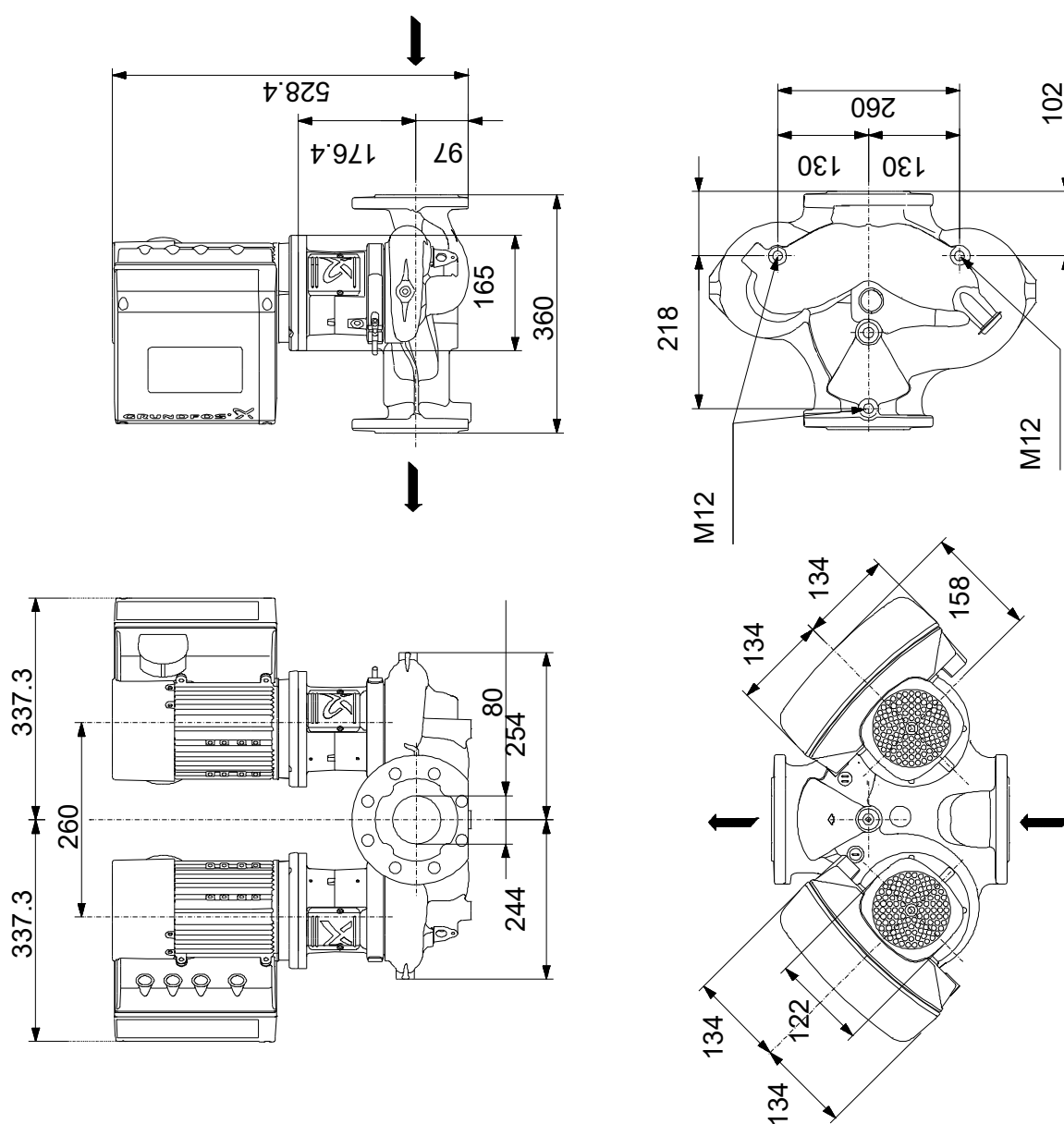
Date: 23/06/2022

Description	Value
Gross weight:	77.1 kg
Shipping volume:	0.252 m ³
Config. file no:	98819268
Country of origin:	HU
Custom tariff no.:	84137065

98437673 TPE2 D 80-120 N-A-F-A-BQQE-GDB

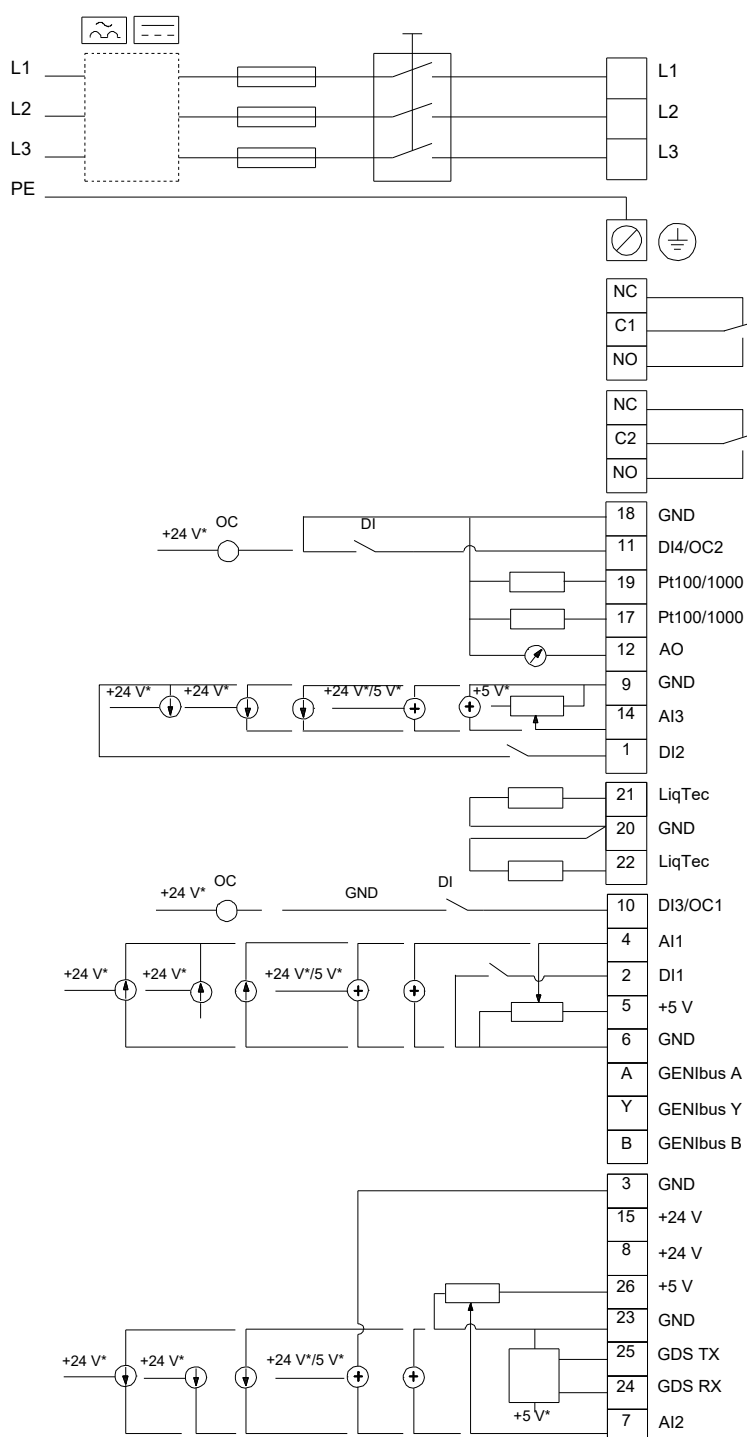


98437673 TPE2 D 80-120 N-A-F-A-BQQE-GDB



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

98437673 TPE2 D 80-120 N-A-F-A-BQQE-GDB



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



Company name: Pump Sales Direct

Created by:

Phone:

Date: 23/06/2022

Order Data:

Product name: TPE2 D 80-120

Amount: 1

Product No: 98437673

Total: Price on request
