


Qty.	Description
1	<p data-bbox="199 338 531 367"><b>TPE2 80-120-N A-F-A-BQQE</b></p>  <p data-bbox="199 660 467 689">Product No.: <a href="#">98437737</a></p> <p data-bbox="199 719 1445 797">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.</p> <p data-bbox="199 804 1394 857">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="199 864 1441 916">The pump is fitted with a fan-cooled, permanent-magnet synchronous motor. The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.</p> <p data-bbox="199 922 1430 976">The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement.</p> <p data-bbox="199 1039 316 1068"><b>Controls:</b></p> <p data-bbox="199 1068 643 1097">Frequency converter: Built-in</p> <p data-bbox="199 1126 288 1155"><b>Liquid:</b></p> <p data-bbox="199 1155 635 1184">Pumped liquid: Water</p> <p data-bbox="199 1184 707 1214">Liquid temperature range: -25 .. 120 °C</p> <p data-bbox="199 1214 687 1243">Liquid temperature during operation: 20 °C</p> <p data-bbox="199 1243 699 1272">Density: 998.2 kg/m<sup>3</sup></p> <p data-bbox="199 1301 328 1330"><b>Technical:</b></p> <p data-bbox="199 1330 821 1359">Pump speed on which pump data are based: 3000 rpm</p> <p data-bbox="199 1359 671 1388">Rated flow: 41.9 m<sup>3</sup>/h</p> <p data-bbox="199 1388 632 1417">Rated head: 7.2 m</p> <p data-bbox="199 1417 643 1447">Actual impeller diameter: 90 mm</p> <p data-bbox="199 1447 639 1476">Primary shaft seal: BQQE</p> <p data-bbox="199 1476 764 1505">Curve tolerance: ISO9906:2012 3B</p> <p data-bbox="199 1534 320 1563"><b>Materials:</b></p> <p data-bbox="199 1563 746 1659">Pump housing: Cast iron EN-JL1040 ASTM A48-40 B</p> <p data-bbox="199 1659 879 1688">Impeller: Composite PES/PP 30% GF</p> <p data-bbox="199 1718 344 1747"><b>Installation:</b></p> <p data-bbox="199 1747 692 1776">Range of ambient temperature: -20 .. 50 °C</p> <p data-bbox="199 1776 639 1805">Maximum operating pressure: 10 bar</p> <p data-bbox="199 1805 611 1834">Flange standard: DIN</p> <p data-bbox="199 1834 639 1863">Pipe connection: DN 80</p> <p data-bbox="199 1863 639 1892">Pressure rating: PN 10</p> <p data-bbox="199 1892 659 1921">Port-to-port length: 360 mm</p> <p data-bbox="199 1921 611 1951">Flange size for motor: 56C</p> <p data-bbox="199 1980 381 2009"><b>Electrical data:</b></p> <p data-bbox="199 2009 611 2038">Motor type: 80B</p> <p data-bbox="199 2038 611 2067">IE Efficiency class: IE5</p> <p data-bbox="199 2067 643 2096">Rated power - P2: 1.1 kW</p>

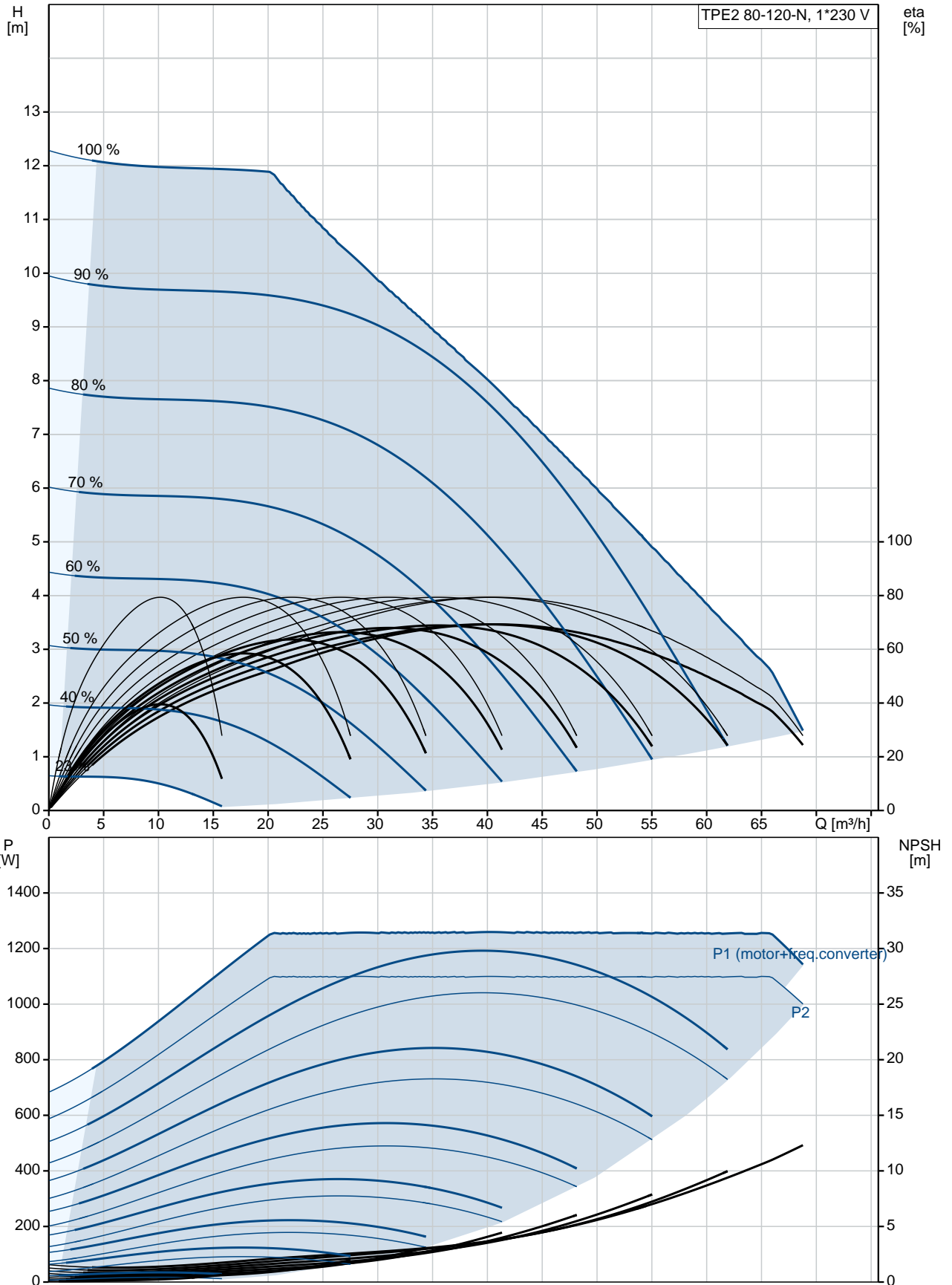
Qty.	Description
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Mains frequency:	50 Hz
Rated voltage:	1 x 200-240 V
Rated current:	6.70-5.60 A
Cos phi - power factor:	0.99
Rated speed:	360-4000 rpm
Efficiency:	86.9%
Motor efficiency at full load:	86.9 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F

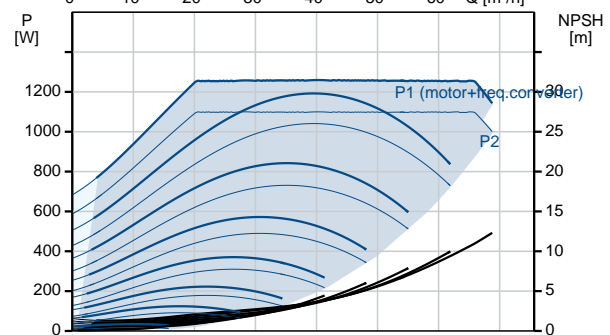
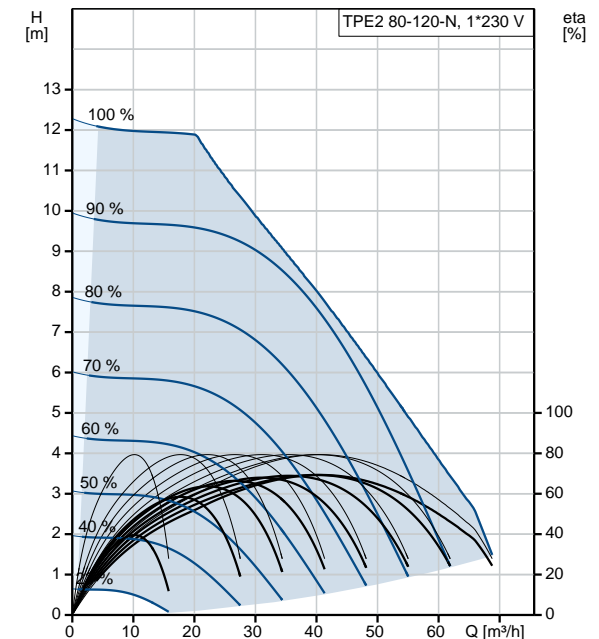
**Others:**

Minimum efficiency index, MEI =:	0.7
ErP status:	EuP Standalone/Prod.
Net weight:	33 kg
Gross weight:	41.7 kg
Shipping volume:	0.16 m <sup>3</sup>
Country of origin:	HU
Custom tariff no.:	84137051

## 98437737 TPE2 80-120-N A-F-A-BQQE 50 Hz



Description	Value
<b>General information:</b>	
Product name:	TPE2 80-120-N A-F-A-BQQE
Product No:	98437737
EAN number:	5711495009045
<b>Technical:</b>	
Pump speed on which pump data are based:	3000 rpm
Rated flow:	41.9 m <sup>3</sup> /h
Rated head:	7.2 m
Head max:	120 dm
Actual impeller diameter:	90 mm
Primary shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
<b>Materials:</b>	
Pump housing:	Cast iron
	EN-JL1040
	ASTM A48-40 B
Impeller:	Composite PES/PP 30% GF
Material code:	A
<b>Installation:</b>	
Range of ambient temperature:	-20 .. 50 °C
Maximum operating pressure:	10 bar
Flange standard:	DIN
Pipe connection:	DN 80
Pressure rating:	PN 10
Port-to-port length:	360 mm
Flange size for motor:	56C
Connect code:	F
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-25 .. 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
Motor type:	80B
IE Efficiency class:	IE5
Rated power - P2:	1.1 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 200-240 V
Rated current:	6.70-5.60 A
Cos phi - power factor:	0.99
Rated speed:	360-4000 rpm
Efficiency:	86.9%
Motor efficiency at full load:	86.9 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	YES
Motor No:	99137995
<b>Controls:</b>	
Control panel:	HMI200 - Standard
Function Module:	FM300 - Advanced
Frequency converter:	Built-in
<b>Others:</b>	
Minimum efficiency index, MEI =:	0.7
ErP status:	EuP Standalone/Prod.
Net weight:	33 kg





Company name:

Created by:

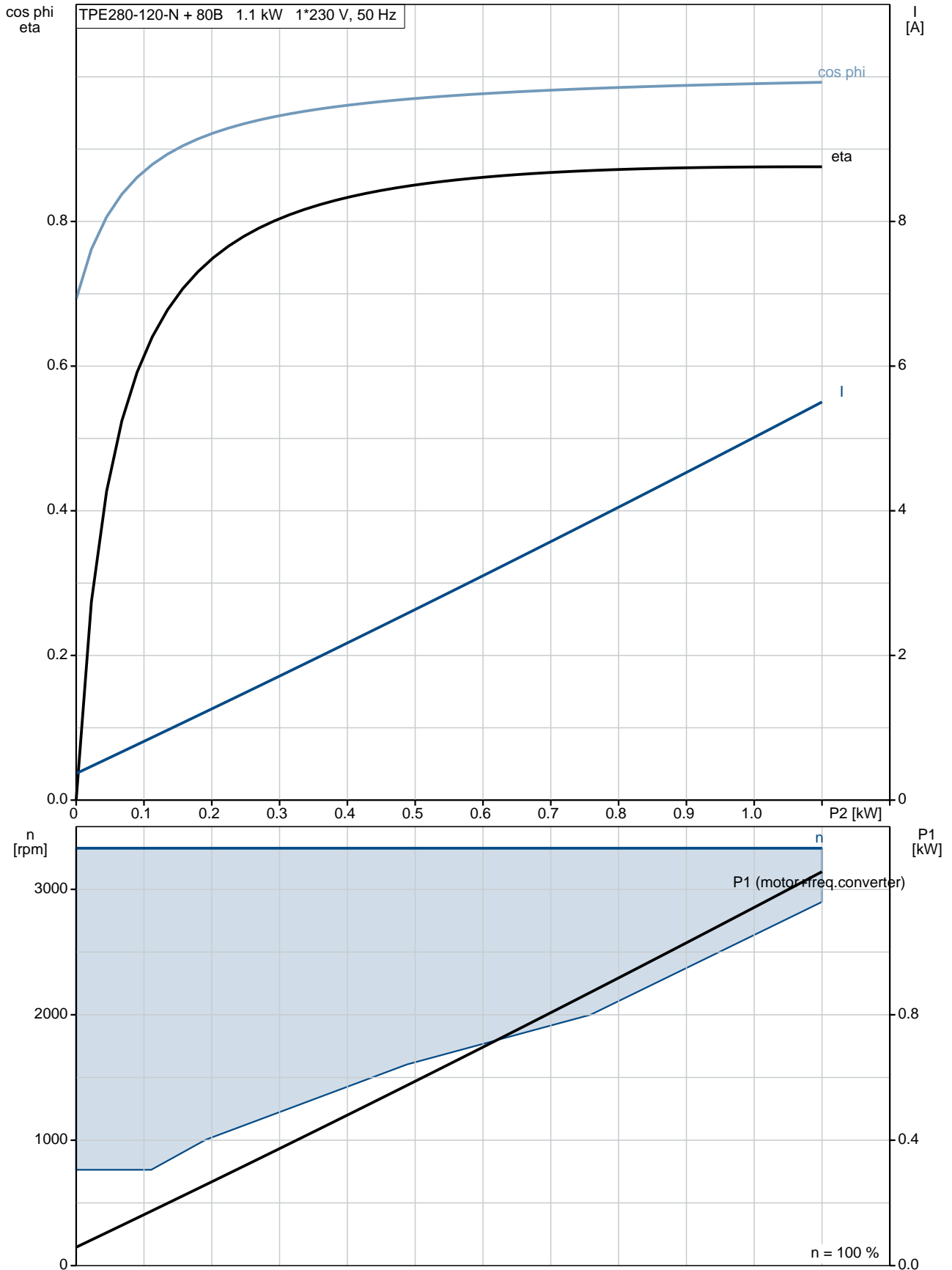
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Date:

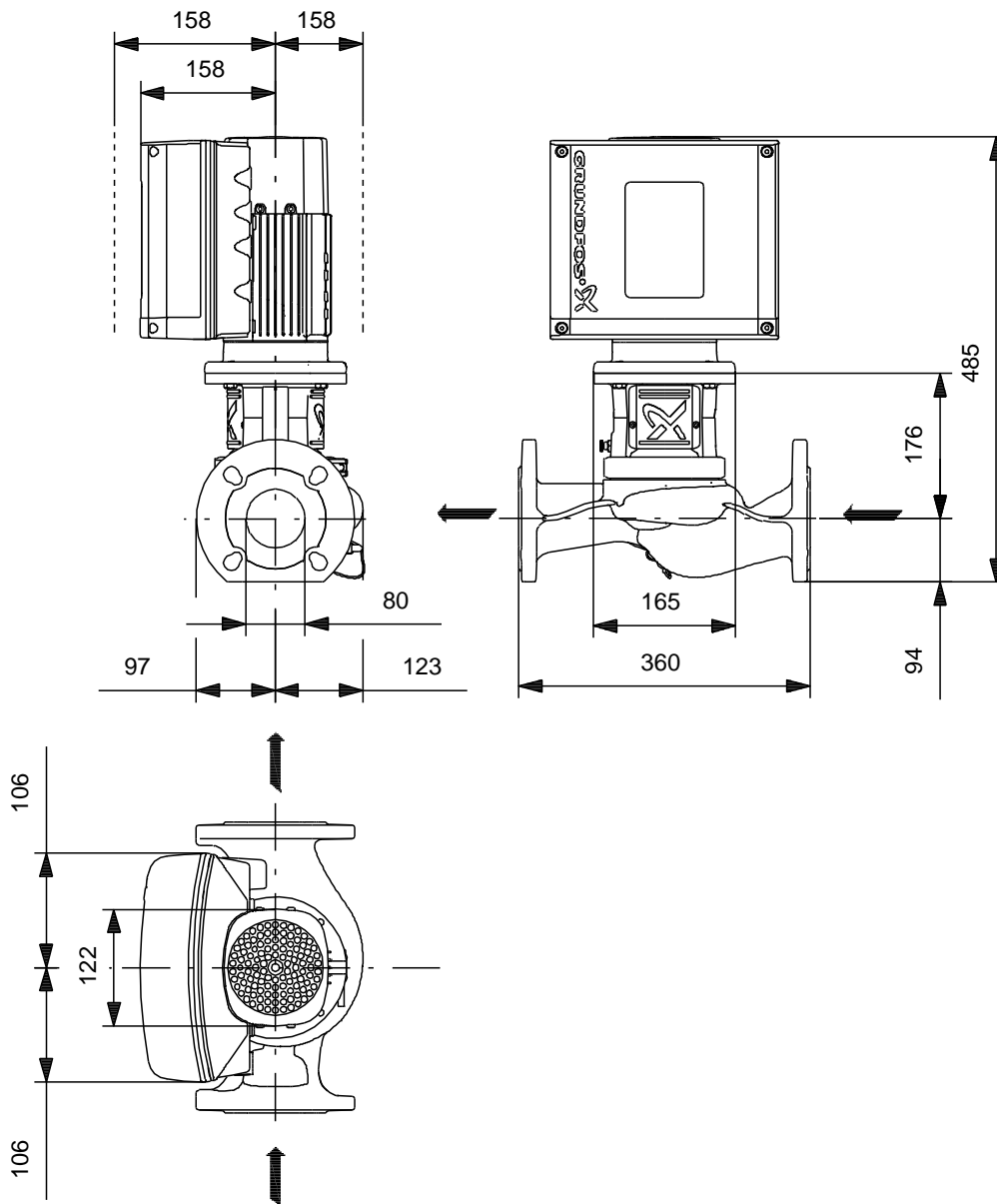
21/12/2018

Description	Value
Gross weight:	41.7 kg
Shipping volume:	0.16 m <sup>3</sup>
Config. file no:	98819185
Country of origin:	HU
Custom tariff no.:	84137051

## 98437737 TPE2 80-120-N A-F-A-BQQE 50 Hz

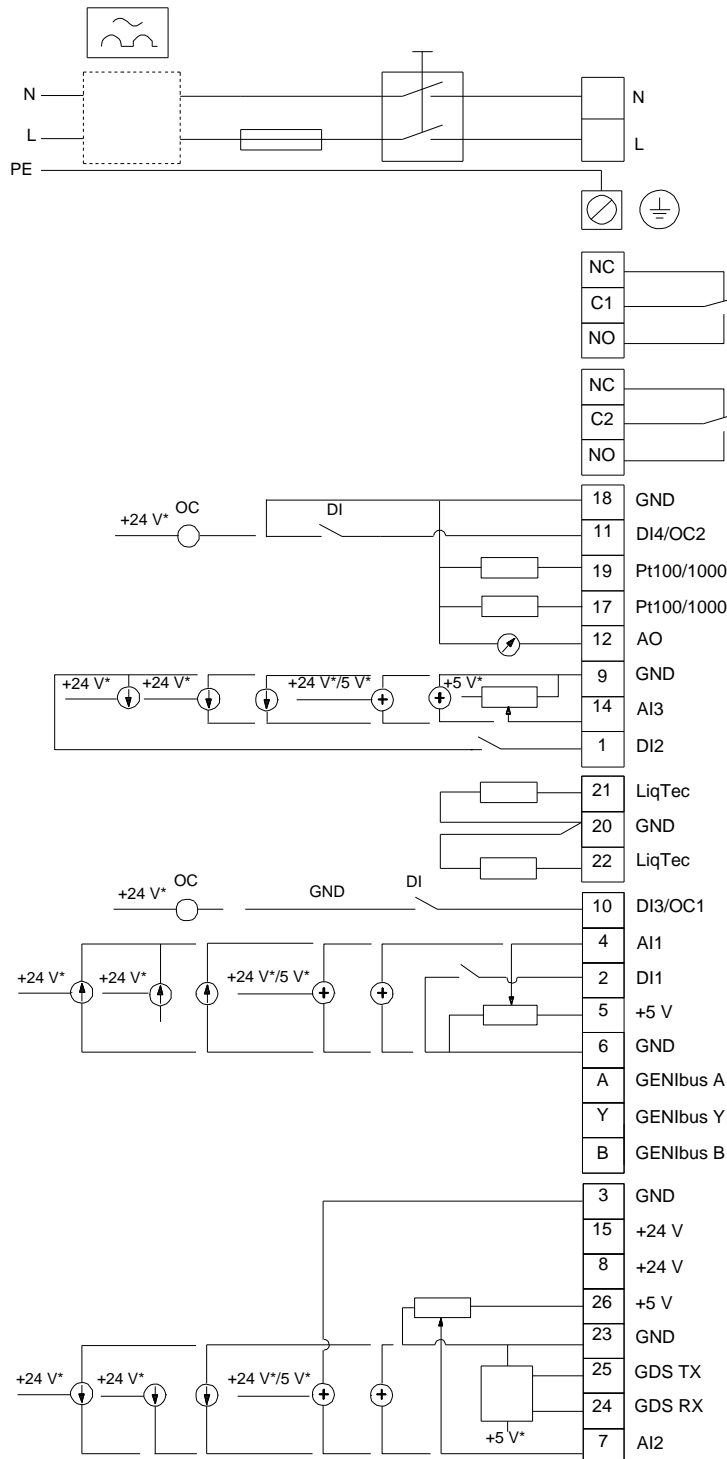


## 98437737 TPE2 80-120-N A-F-A-BQQE 50 Hz



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

## 98437737 TPE2 80-120-N A-F-A-BQQE 50 Hz



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