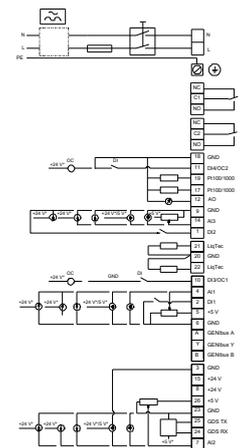
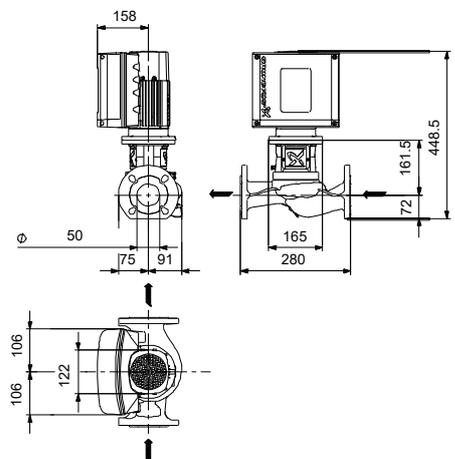
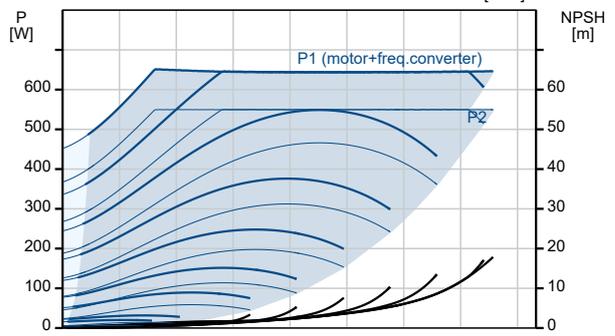
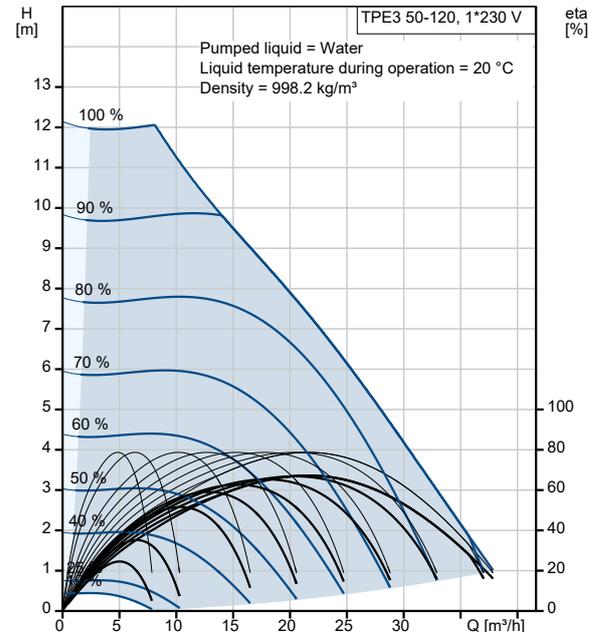


Qty.	Description
1	<p data-bbox="199 159 571 188"><b>TPE3 50-120 S-A-F-I-BQQE-EAB</b></p>  <p data-bbox="592 506 1062 530"><b>Note! Product picture may differ from actual product</b></p> <p data-bbox="199 539 480 566">Product No.: On request</p> <p data-bbox="199 600 1401 678">Single-stage, close-coupled, 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="199 687 1382 739">The shaft seal is according to EN 12756. Pipework connection is via PN 6/10 DIN flanges (EN 1092-2 and ISO 7005-2).</p> <p data-bbox="199 745 1452 795">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="199 801 1396 853">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="199 860 1070 887">The pump is fitted with a combined temperature- and differential pressure sensor.</p> <p data-bbox="199 920 300 947"><b>Controls:</b></p> <p data-bbox="199 949 639 976">Frequency converter: Built-in</p> <p data-bbox="199 1010 276 1037"><b>Liquid:</b></p> <p data-bbox="199 1039 632 1066">Pumped liquid: Water</p> <p data-bbox="199 1068 703 1095">Liquid temperature range: -25 .. 120 °C</p> <p data-bbox="199 1097 628 1124">Selected liquid temperature: 20 °C</p> <p data-bbox="199 1126 695 1153">Density: 998.2 kg/m<sup>3</sup></p> <p data-bbox="199 1187 314 1214"><b>Technical:</b></p> <p data-bbox="199 1216 818 1243">Pump speed on which pump data are based: 3430 rpm</p> <p data-bbox="199 1245 671 1272">Rated flow: 20.6 m<sup>3</sup>/h</p> <p data-bbox="199 1274 628 1301">Rated head: 7.7 m</p> <p data-bbox="199 1303 639 1330">Actual impeller diameter: 74 mm</p> <p data-bbox="199 1332 636 1359">Code for shaft seal: BQQE</p> <p data-bbox="199 1361 772 1388">Curve tolerance: ISO9906:2012 3B2</p> <p data-bbox="199 1422 309 1449"><b>Materials:</b></p> <p data-bbox="199 1451 722 1478">Pump housing: Stainless steel</p> <p data-bbox="564 1480 683 1507">EN 1.4308</p> <p data-bbox="564 1509 687 1536">ASTM CF8</p> <p data-bbox="199 1538 718 1599">Impeller: Composite PES+30% GF</p> <p data-bbox="199 1632 325 1659"><b>Installation:</b></p> <p data-bbox="199 1662 691 1688">Range of ambient temperature: -20 .. 50 °C</p> <p data-bbox="199 1691 636 1718">Maximum operating pressure: 10 bar</p> <p data-bbox="199 1720 730 1747">Max pressure at stated temp: 10 bar / 120 °C</p> <p data-bbox="199 1749 608 1776">Type of connection: DIN</p> <p data-bbox="199 1778 636 1805">Size of connection: DN 50</p> <p data-bbox="199 1807 655 1834">Pressure rating for connection: PN 6/10</p> <p data-bbox="199 1836 655 1863">Port-to-port length: 280 mm</p> <p data-bbox="199 1865 611 1892">Flange size for motor: 56C</p> <p data-bbox="199 1926 362 1953"><b>Electrical data:</b></p> <p data-bbox="199 1955 611 1982">Motor type: 71A</p> <p data-bbox="199 1984 604 2011">IE Efficiency class: IE5</p> <p data-bbox="199 2013 655 2040">Rated power - P2: 0.55 kW</p> <p data-bbox="199 2042 679 2069">Mains frequency: 50 / 60 Hz</p> <p data-bbox="199 2072 718 2098">Rated voltage: 1 x 200-240 V</p>

Qty.	Description
1	<p>Rated current: 3.45-2.90 A  Cos phi - power factor: 0.98  Rated speed: 360-4000 rpm  Efficiency: 85.3%  Motor efficiency at full load: 85.3 %  Enclosure class (IEC 34-5): IP55  Insulation class (IEC 85): F  Motor No: 99137985</p> <p>Others:  Minimum efficiency index, MEI ≥: 0.70  Net weight: 25 kg  Gross weight: 32.2 kg  Shipping volume: 0.104 m<sup>3</sup>  Danish VVS No.: 382142120  Country of origin: HU  Custom tariff no.: 84137051</p>

Description	Value
<b>General information:</b>	
Product name:	TPE3 50-120 S-A-F-I-BQQE-EAB
Product No:	On request
EAN number:	On request
<b>Technical:</b>	
Pump speed on which pump data are based:	3430 rpm
Rated flow:	20.6 m <sup>3</sup> /h
Rated head:	7.7 m
Maximum head:	120 dm
Actual impeller diameter:	74 mm
Code for shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B2
Pump version:	A
<b>Materials:</b>	
Pump housing:	Stainless steel
Pump housing:	EN 1.4308
Pump housing:	ASTM CF8
Impeller:	Composite
Impeller:	PES+30% GF
Material code:	I
<b>Installation:</b>	
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 50
Pressure rating for connection:	PN 6/10
Port-to-port length:	280 mm
Flange size for motor:	56C
Connect code:	F
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-25 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
Motor type:	71A
IE Efficiency class:	IE5
Rated power - P2:	0.55 kW
Mains frequency:	50 / 60 Hz
Rated voltage:	1 x 200-240 V
Rated current:	3.45-2.90 A
Cos phi - power factor:	0.98
Rated speed:	360-4000 rpm
Efficiency:	85.3%
Motor efficiency at full load:	85.3 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	ELEC
Motor No:	99137985
<b>Controls:</b>	
Control panel:	HMI300 - Graphical
Function Module:	FM300 - Advanced
Frequency converter:	Built-in
<b>Others:</b>	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	25 kg
Gross weight:	32.2 kg
Shipping volume:	0.104 m <sup>3</sup>
Config. file no:	98481398
Danish VVS No.:	382142120
Country of origin:	HU

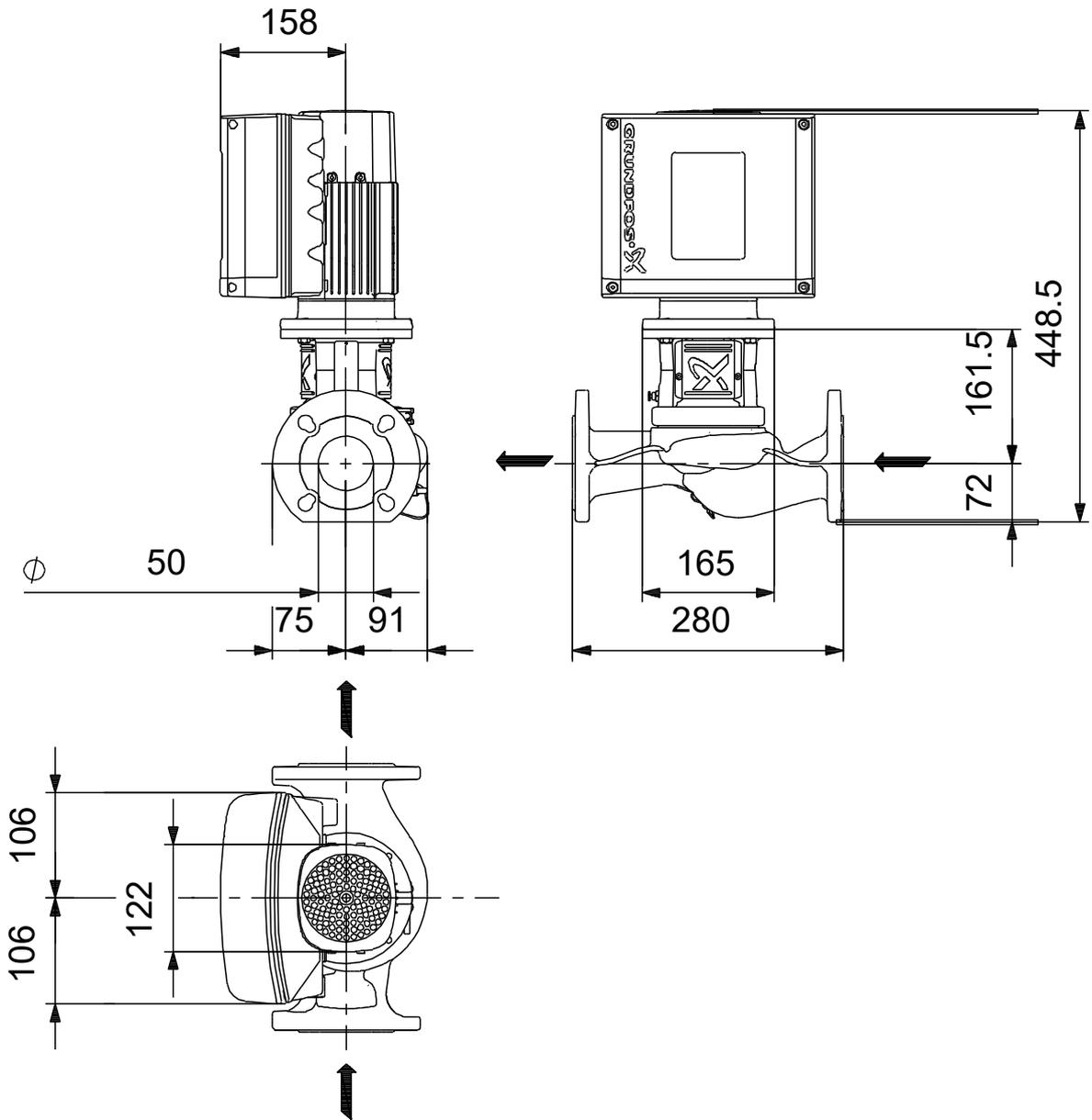


**Description****Value**

Custom tariff no.:

84137051

**On request TPE3 50-120 S-A-F-I-BQQE-EAB**



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

