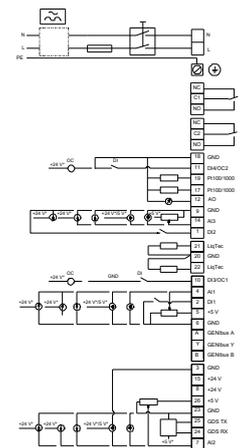
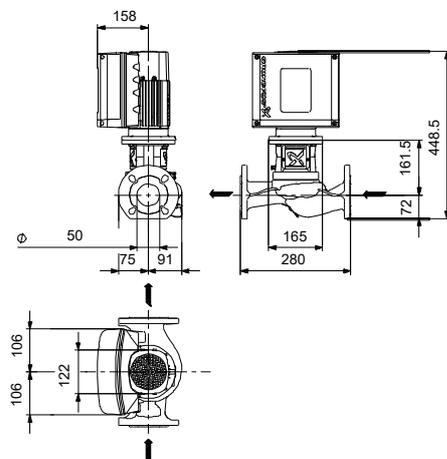
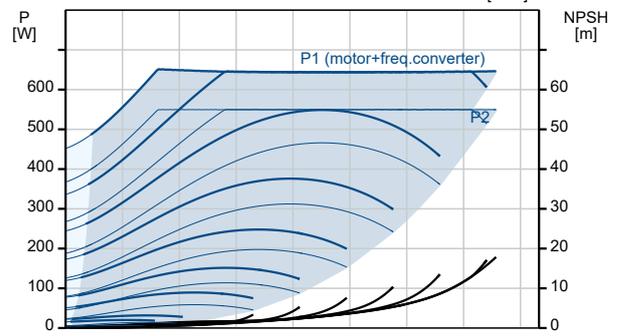
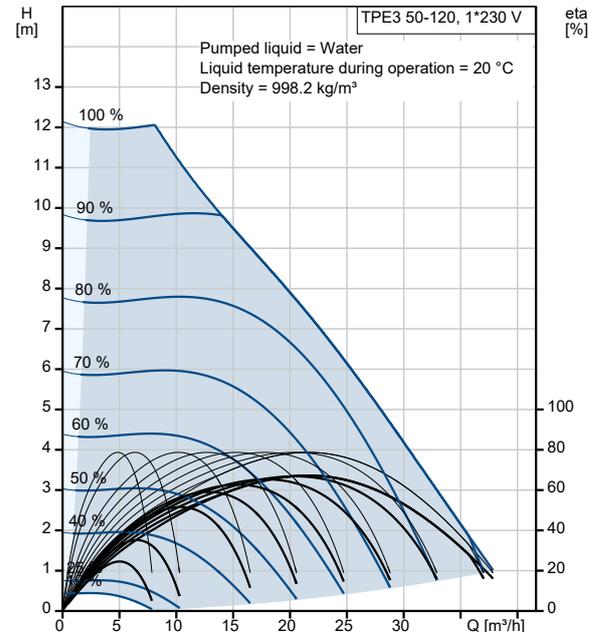


Qty.	Description
1	<p data-bbox="199 159 582 190">TPE3 50-120 S-A-F-A-BQQE-EAB</p>  <p data-bbox="592 506 1064 533">Note! Product picture may differ from actual product</p> <p data-bbox="199 539 480 566">Product No.: On request</p> <p data-bbox="199 600 1404 678">Single-stage, close-coupled, volute pump 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="199 685 1383 741">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 1453 797">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 1398 855">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 1072 887">The pump is fitted with a combined temperature- and differential pressure sensor.</p> <p data-bbox="199 920 304 947">Controls:</p> <p data-bbox="199 952 641 978">Frequency converter: Built-in</p> <p data-bbox="199 1010 277 1037">Liquid:</p> <p data-bbox="199 1041 633 1068">Pumped liquid: Water</p> <p data-bbox="199 1072 703 1099">Liquid temperature range: -25 .. 120 °C</p> <p data-bbox="199 1104 628 1131">Selected liquid temperature: 20 °C</p> <p data-bbox="199 1135 695 1162">Density: 998.2 kg/m³</p> <p data-bbox="199 1193 316 1220">Technical:</p> <p data-bbox="199 1225 820 1252">Pump speed on which pump data are based: 3430 rpm</p> <p data-bbox="199 1256 671 1283">Rated flow: 20.6 m³/h</p> <p data-bbox="199 1288 628 1314">Rated head: 7.7 m</p> <p data-bbox="199 1319 641 1346">Actual impeller diameter: 74 mm</p> <p data-bbox="199 1350 636 1377">Code for shaft seal: BQQE</p> <p data-bbox="199 1382 772 1408">Curve tolerance: ISO9906:2012 3B2</p> <p data-bbox="199 1440 309 1467">Materials:</p> <p data-bbox="199 1471 732 1550">Pump housing: Cast iron EN-GJL-250 ASTM class 35</p> <p data-bbox="199 1554 719 1632">Impeller: Composite PES+30% GF</p> <p data-bbox="199 1664 325 1691">Installation:</p> <p data-bbox="199 1695 691 1722">Range of ambient temperature: -20 .. 50 °C</p> <p data-bbox="199 1727 636 1753">Maximum operating pressure: 10 bar</p> <p data-bbox="199 1758 730 1785">Max pressure at stated temp: 10 bar / 120 °C</p> <p data-bbox="199 1789 608 1816">Type of connection: DIN</p> <p data-bbox="199 1821 636 1848">Size of connection: DN 50</p> <p data-bbox="199 1852 655 1879">Pressure rating for connection: PN 6/10</p> <p data-bbox="199 1883 655 1910">Port-to-port length: 280 mm</p> <p data-bbox="199 1915 612 1942">Flange size for motor: 56C</p> <p data-bbox="199 1973 363 2000">Electrical data:</p> <p data-bbox="199 2004 612 2031">Motor type: 71A</p> <p data-bbox="199 2036 608 2063">IE Efficiency class: IE5</p> <p data-bbox="199 2067 655 2094">Rated power - P2: 0.55 kW</p> <p data-bbox="199 2098 679 2125">Mains frequency: 50 / 60 Hz</p> <p data-bbox="199 2130 719 2157">Rated voltage: 1 x 200-240 V</p>

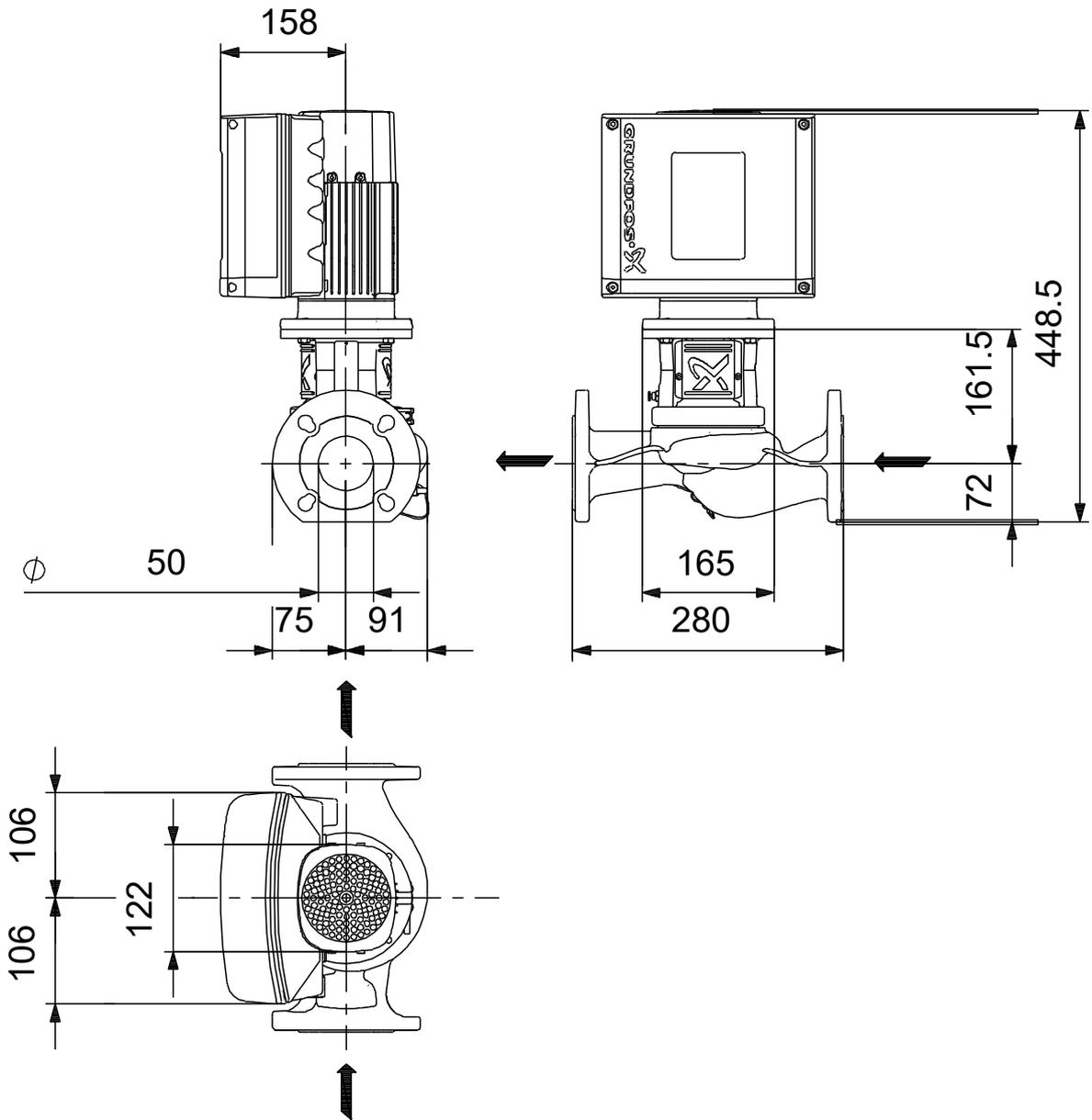
Qty.	Description
1	<p>Rated current: 3.45-2.90 A Cos phi - power factor: 0.98 Rated speed: 360-4000 rpm Efficiency: 85.3% Motor efficiency at full load: 85.3 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99137985</p> <p>Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 24.7 kg Gross weight: 31.9 kg Shipping volume: 0.104 m³ Danish VVS No.: 381602120 Swedish RSK No.: 5745881 Finnish LVI No.: 4616194 Norwegian NRF no.: 9043463 Country of origin: HU Custom tariff no.: 84137051</p>

Description	Value
General information:	
Product name:	TPE3 50-120 S-A-F-A-BQQE-EAB
Product No:	On request
EAN number:	On request
Technical:	
Pump speed on which pump data are based:	3430 rpm
Rated flow:	20.6 m³/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
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 50
Pressure rating for connection:	PN 6/10
Port-to-port length:	280 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:	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
Controls:	
Control panel:	HMI300 - Graphical
Function Module:	FM300 - Advanced
Frequency converter:	Built-in
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	24.7 kg
Gross weight:	31.9 kg
Shipping volume:	0.104 m³
Config. file no:	98481398
Danish VVS No.:	381602120
Swedish RSK No.:	5745881



Description	Value
Finnish LVI No.:	4616194
Norwegian NRF no.:	9043463
Country of origin:	HU
Custom tariff no.:	84137051

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



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

