

Inventflow: Grundfos A-partner

Grundfos TP 50-120/4 A-F-A-BQQE-GX3

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tp/grundfos-tp-50-120-4-a-f-a-bqqe-gx3>

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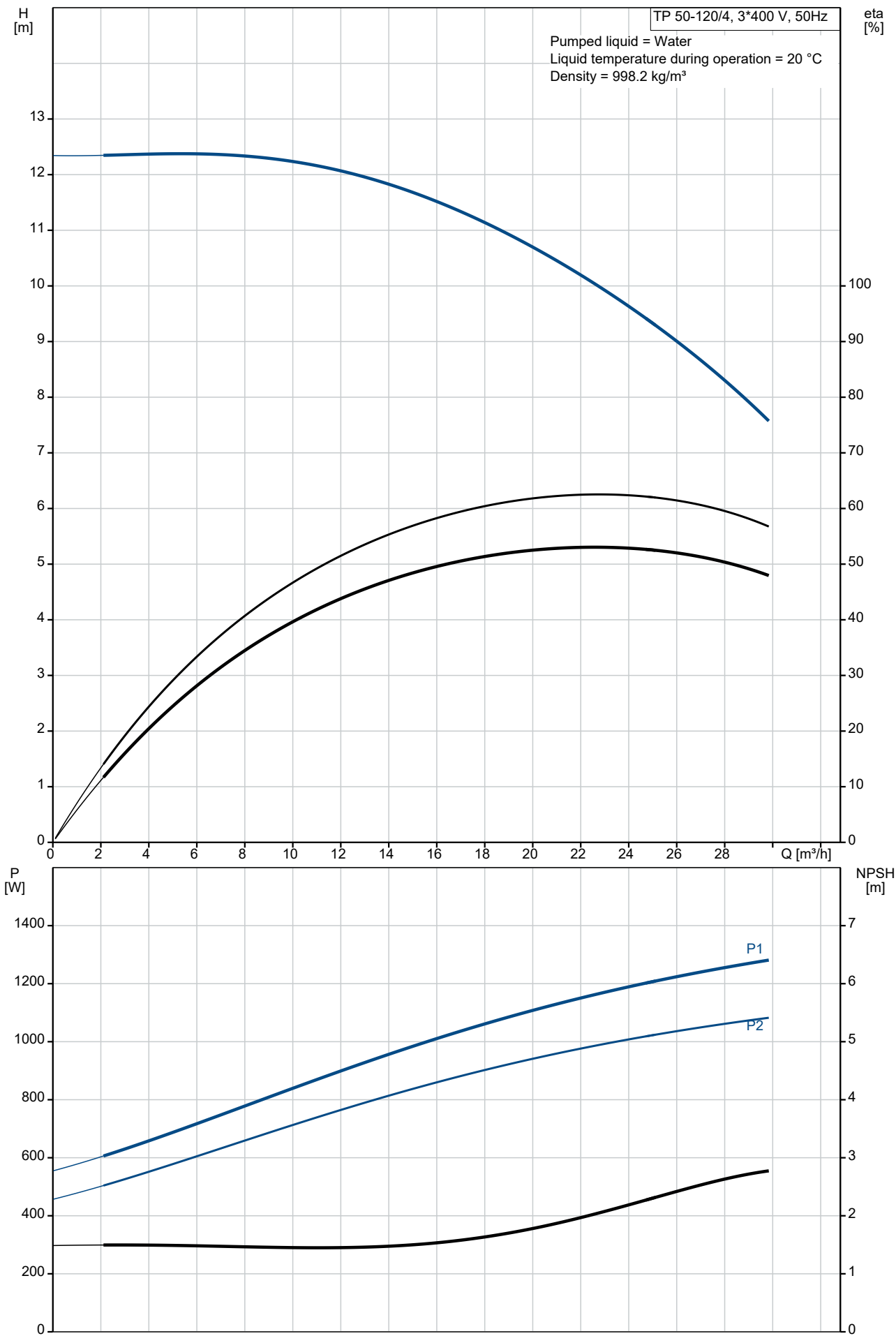
Datasheet



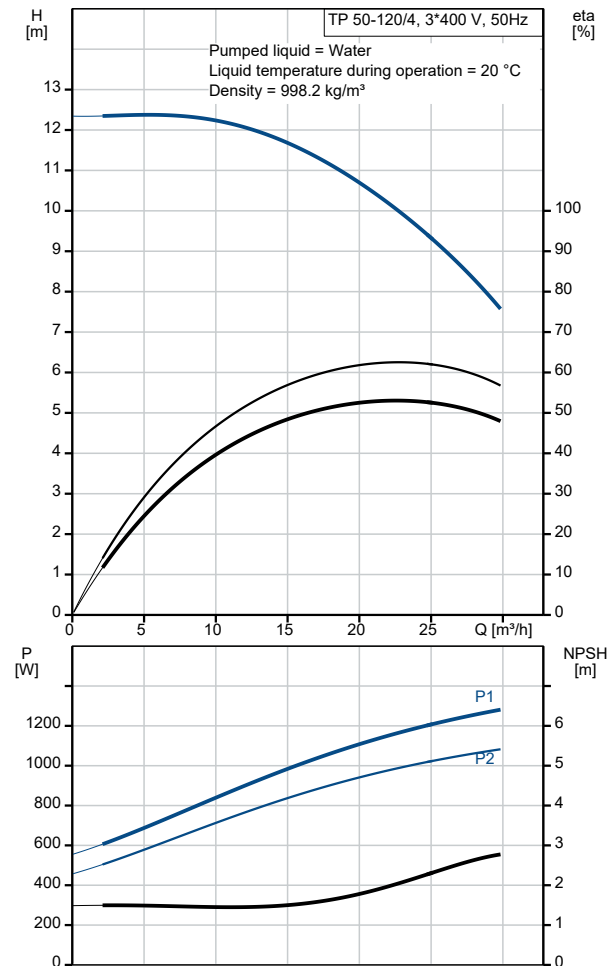
Qty.	Description
1	TP 50-120/4 A-F-A-BQQE-GX3  Note! Product picture may differ from actual product Product No.: 98742942 Single-stage centrifugal volute in-line single-head pump: - wear rings made of bronze - cataphoresis treatment - stable sleeve coupling - top-pull-out principle for easy maintenance - optimized hydraulics - in-line design with opposite suction and discharge ports enabling mounting in pipework or on a concrete foundation - corrosion resistant maintenance-free mechanical shaft seal. Phase: The motor is a 3-phase AC 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: 1450 rpm Rated flow: 22.9 m³/h Rated head: 9.77 m Actual impeller diameter: 198 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B2 Materials: Pump housing: Cast iron EN-GJL-250 ASTM class 35 Impeller: Cast iron EN-GJL-200 ASTM class 30 Installation: Range of ambient temperature: -20 .. 55 °C

Qty.	Description
	Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of connection: DN 50 Pressure rating for connection: PN 16 Port-to-port length: 440 mm Flange size for motor: FF165 Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 1.1 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 4,41-3,99/2,52-2,28 A Starting current: 690-690 % Cos phi - power factor: 0.78 Rated speed: 1440 rpm Efficiency: IE3 84,1% Motor efficiency at full load: 84.1-84.1 % Motor efficiency at 3/4 load: 84.7-84.7 % Motor efficiency at 1/2 load: 83.4-83.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 83V02205 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 62.1 kg Gross weight: 81 kg Shipping volume: 0.39 m³ Finnish LVI No.: 4616050 Norwegian NRF no.: 9043562 Country of origin: HU Custom tariff no.: 84137051

98742942 TP 50-120/4 A-F-A-BQQE-GX3 50 Hz

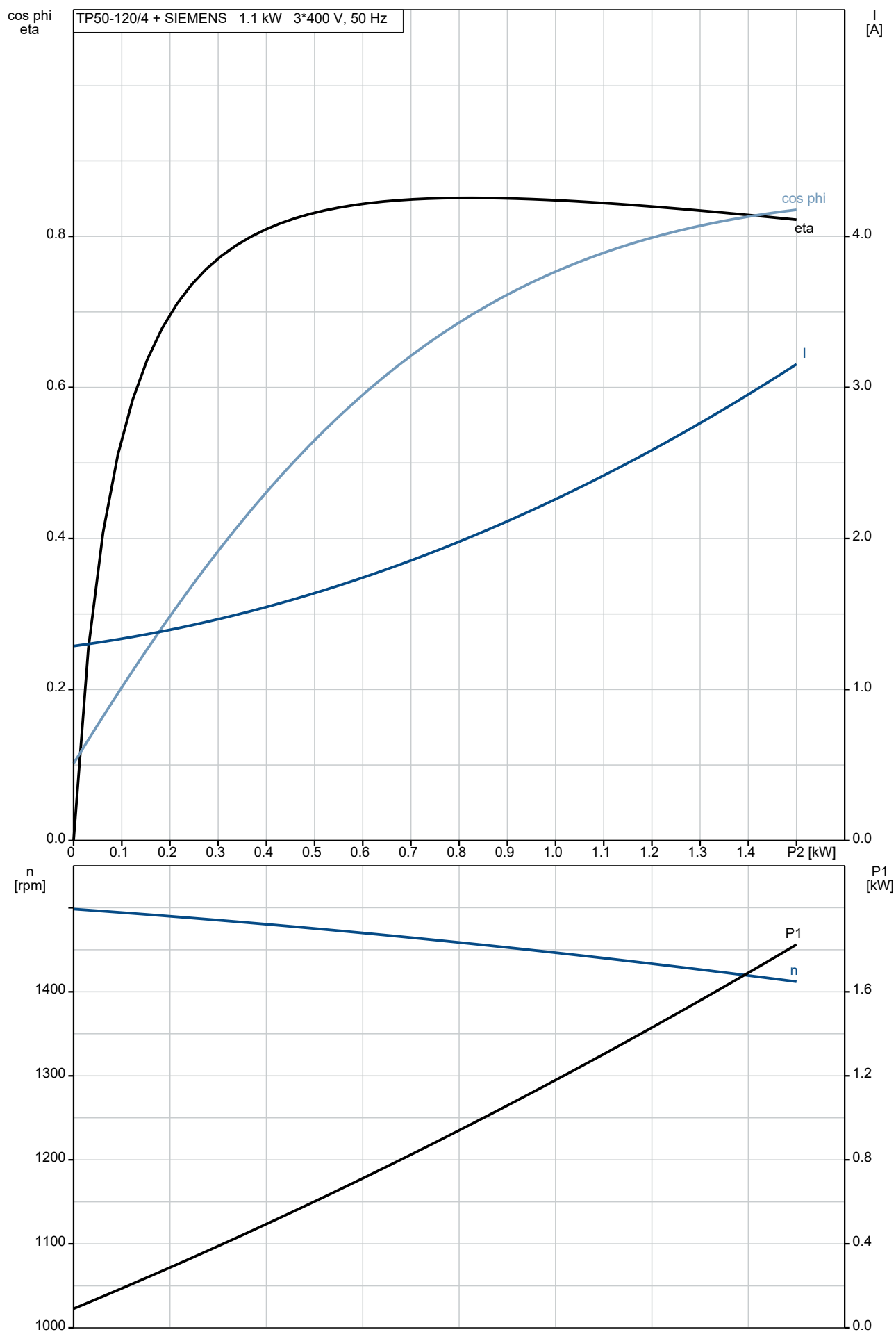


Description	Value
General information:	
Product name:	TP 50-120/4 A-F-A-BQQE-GX3
Product No:	98742942
EAN number:	5712600816534
Technical:	
Pump speed on which pump data are based:	1450 rpm
Rated flow:	22.9 m³/h
Rated head:	9.77 m
Maximum head:	120 dm
Actual impeller diameter:	198 mm
Code for shaft seal:	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:	Cast iron
Impeller:	EN-GJL-200
Impeller:	ASTM class 30
Material code:	A
Installation:	
Range of ambient temperature:	-20 .. 55 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 120 °C
Type of connection:	DIN
Size of connection:	DN 50
Pressure rating for connection:	PN 16
Port-to-port length:	440 mm
Flange size for motor:	FF165
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:	SIEMENS
IE Efficiency class:	IE3
Rated power - P2:	1.1 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-420Y V
Rated current:	4,41-3,99/2,52-2,28 A
Starting current:	690-690 %
Cos phi - power factor:	0.78
Rated speed:	1440 rpm
Efficiency:	IE3 84,1%
Motor efficiency at full load:	84.1-84.1 %
Motor efficiency at 3/4 load:	84.7-84.7 %
Motor efficiency at 1/2 load:	83.4-83.4 %
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	83V02205
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	62.1 kg
Gross weight:	81 kg
Shipping volume:	0.39 m³

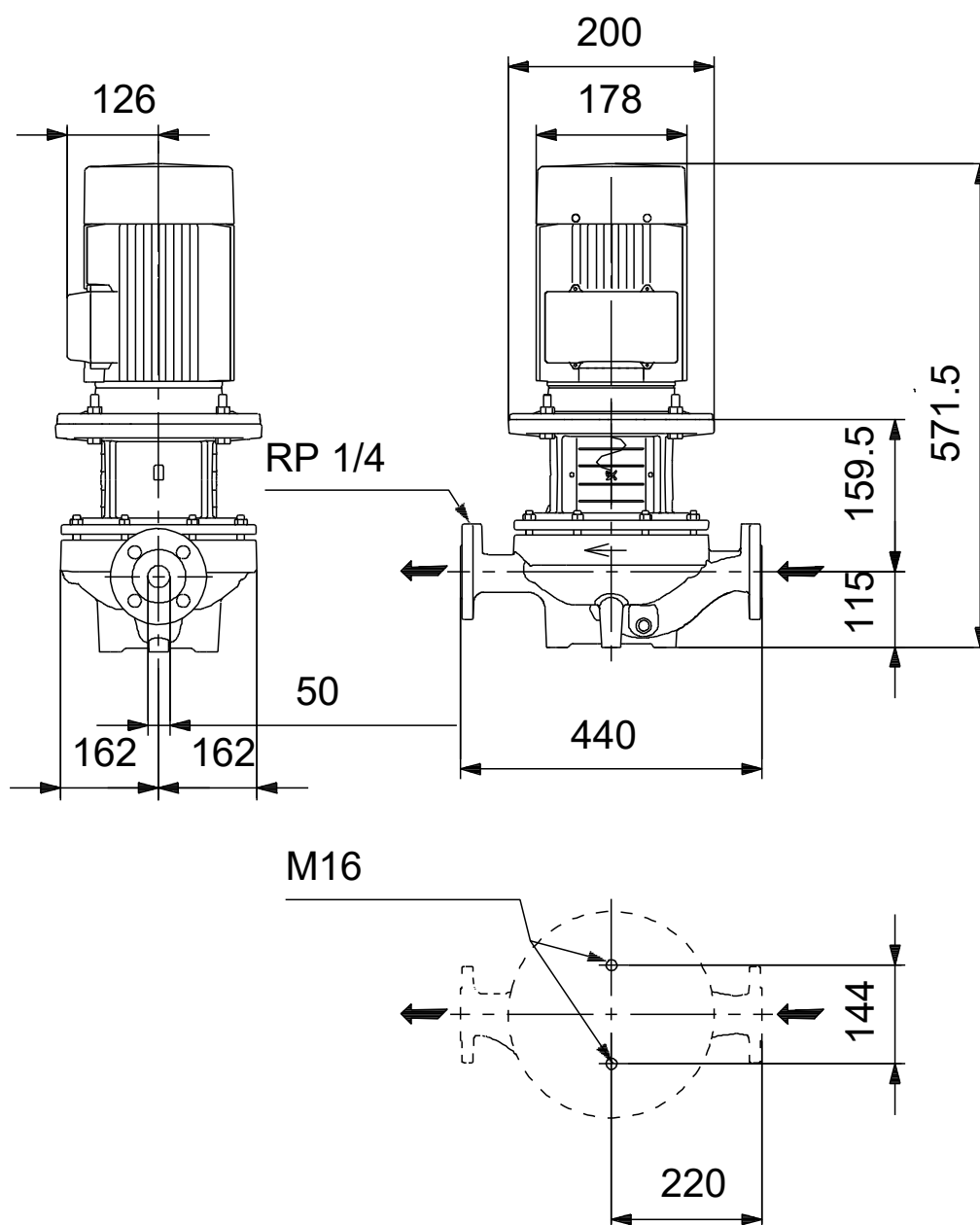


Description	Value
Finnish LVI No.:	4616050
Norwegian NRF no.:	9043562
Country of origin:	HU
Custom tariff no.:	84137051

98742942 TP 50-120/4 A-F-A-BQQE-GX3 50 Hz



98742942 TP 50-120/4 A-F-A-BQQE-GX3 50 Hz



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

Spare parts TP 50-120/4, Product No. 98742942
Produced After 2105 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Motor				1	pcs
156	Spare, motor fan			98728949	1	
151	Spare, motor fan cover			98728862	1	
176	Spare, Terminal board			98850910	1	
+	Stub shaft			99113730	1	pcs
7a	Pan head screw			99266550	4	pcs
18	Plug			96620482	1	pcs
18	Plug			98164277	1	pcs
19	Plug			98163028	2	pcs
36	Nut	Thread: M10		96620484	10	pcs
49	Impeller			98711281	1	pcs
67	Nut	Thread: M14		92526531	1	pcs
72a	O-ring	Diameter: 253,6		92547618	1	pcs
		Material type: EPDM				
		Thickness: 3,53				
72a	O-ring	Diameter: 253,6		92526509	1	pcs
		Material type: EPDM				
		Thickness: 3,53				
72a	O-ring	Diameter: 253,6		97511826	1	pcs
		Material type: EPDM				
		Thickness: 3,53				
72a	O-ring	Diameter: 253,6		97757672	1	pcs
		Material type: EPDM				
		Thickness: 3,53				
105	Shaft seal			99380916	1	pcs
105	Shaft seal			99884645	1	pcs