

Inventflow: Grundfos A-partner

Grundfos TPE 200-200/4 SC-A-F-A-BQQE-QX3

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tpe/grundfos-tpe-200-200-4-sc-a-f-a-bqqe-qx3>

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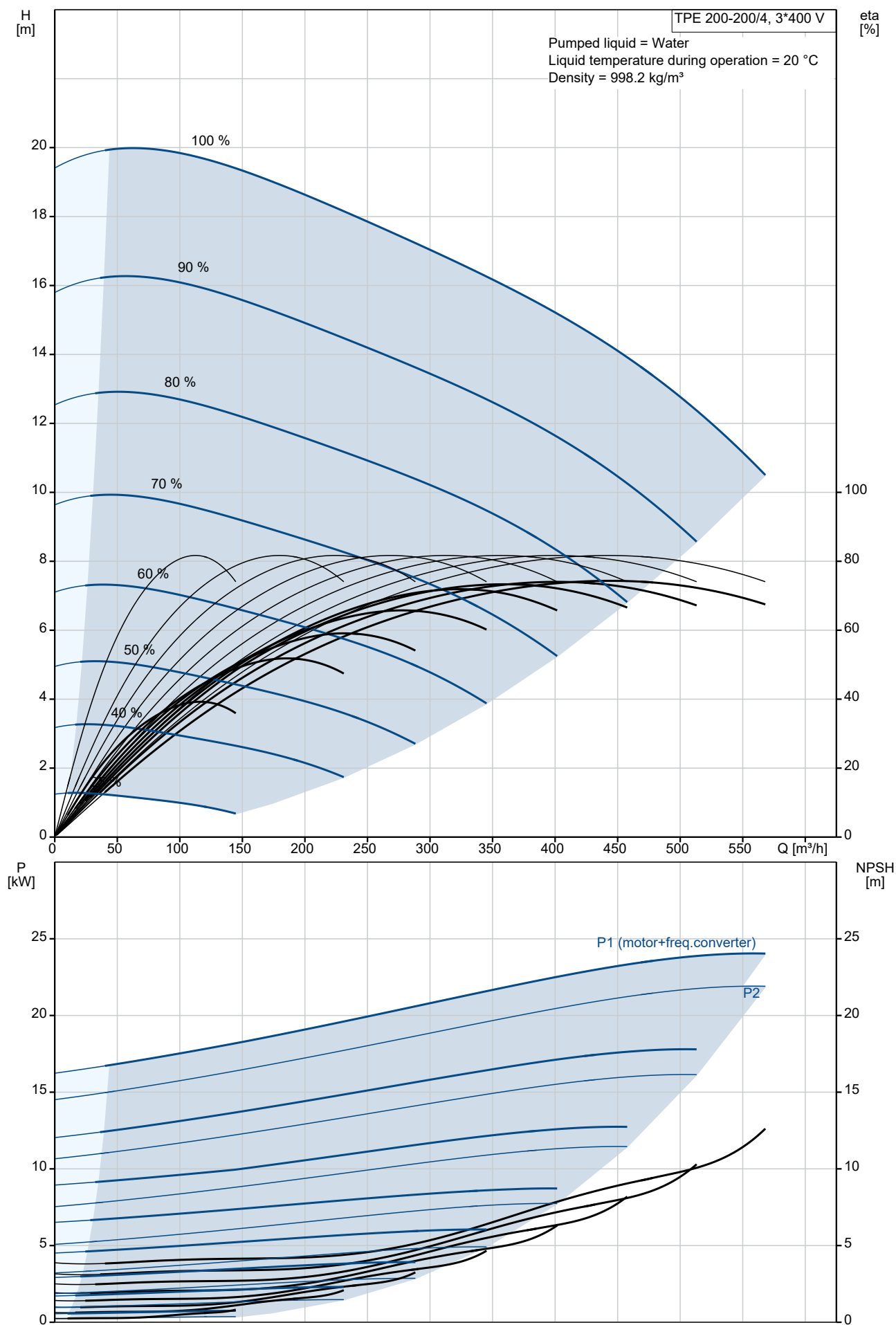
Datasheet



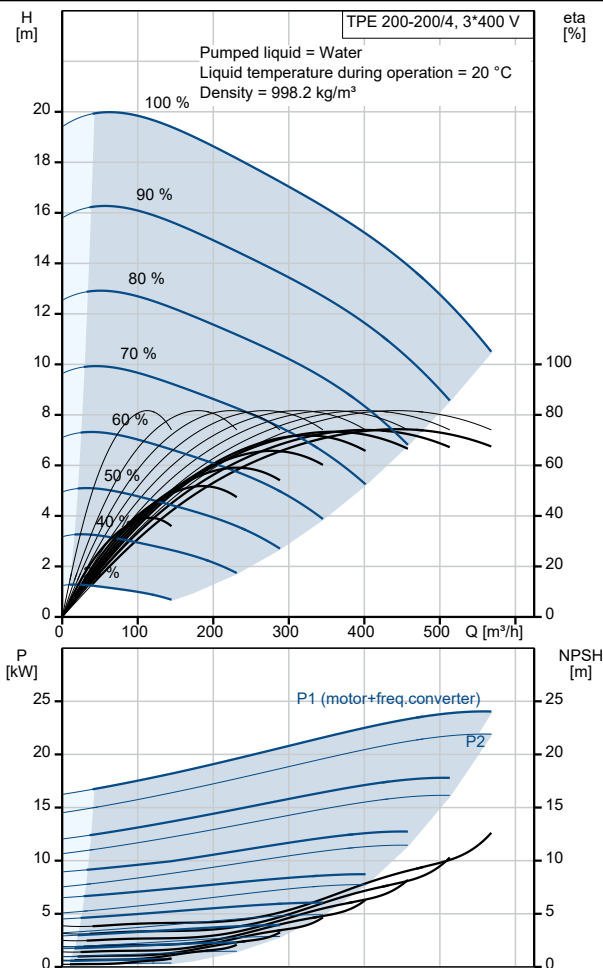
Qty.	Description																																
1	TPE 200-200/4 SC-A-F-A-BQQE-QX3  Note! Product picture may differ from actual product Product No.: 99474609 Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out design, 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. The pump is fitted with an unbalanced rubber bellows seal. The shaft seal is according to EN 12756. Flange standard: Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2). The pump is fitted with a fan-cooled asynchronous motor. The pump includes a frequency converter and PI controller. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement. The pump is fitted with a differential-pressure sensor. Controls: <table> <tr> <td>VFD product number:</td><td>99448797</td></tr> <tr> <td>Frequency converter:</td><td>Built-in</td></tr> <tr> <td>Type of frequency converter:</td><td>CUE 3X380-500V IP55 RUG 22KW</td></tr> <tr> <td>Appr. for VFD:</td><td>CE, CULUS, C-TICK</td></tr> </table> Liquid: <table> <tr> <td>Pumped liquid:</td><td>Water</td></tr> <tr> <td>Liquid temperature range:</td><td>-25 .. 120 °C</td></tr> <tr> <td>Selected liquid temperature:</td><td>20 °C</td></tr> <tr> <td>Density:</td><td>998.2 kg/m³</td></tr> </table> Technical: <table> <tr> <td>Pump speed on which pump data are based:</td><td>1470 rpm</td></tr> <tr> <td>Rated flow:</td><td>437 m³/h</td></tr> <tr> <td>Rated head:</td><td>14 m</td></tr> <tr> <td>Actual impeller diameter:</td><td>248 mm</td></tr> <tr> <td>Code for shaft seal:</td><td>BQQE</td></tr> <tr> <td>Curve tolerance:</td><td>ISO9906:2012 3B</td></tr> </table> Materials: <table> <tr> <td>Pump housing:</td><td>Cast iron EN-GJL-250 ASTM class 35</td></tr> <tr> <td>Impeller:</td><td>Cast iron EN-GJL-200 ASTM class 30</td></tr> </table>	VFD product number:	99448797	Frequency converter:	Built-in	Type of frequency converter:	CUE 3X380-500V IP55 RUG 22KW	Appr. for VFD:	CE, CULUS, C-TICK	Pumped liquid:	Water	Liquid temperature range:	-25 .. 120 °C	Selected liquid temperature:	20 °C	Density:	998.2 kg/m ³	Pump speed on which pump data are based:	1470 rpm	Rated flow:	437 m ³ /h	Rated head:	14 m	Actual impeller diameter:	248 mm	Code for shaft seal:	BQQE	Curve tolerance:	ISO9906:2012 3B	Pump housing:	Cast iron EN-GJL-250 ASTM class 35	Impeller:	Cast iron EN-GJL-200 ASTM class 30
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Qty.	Description
	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 200 Pressure rating for connection: PN 16 Port-to-port length: 900 mm Flange size for motor: FF300 Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 22 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 42,5-40,5/24,6-23,6 A Starting current: 680-680 % Cos phi - power factor: 0.8 Rated speed: 1470 rpm Efficiency: IE3 93,0% Motor efficiency at full load: 93.0-93.0 % Motor efficiency at 3/4 load: 93.7-93.7 % Motor efficiency at 1/2 load: 93.7-93.7 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99454134 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 506 kg Gross weight: 603 kg Shipping volume: 1.68 m³ Country of origin: HU Custom tariff no.: 84137051

99474609 TPE 200-200/4 SC-A-F-A-BQQE-QX3 50 Hz

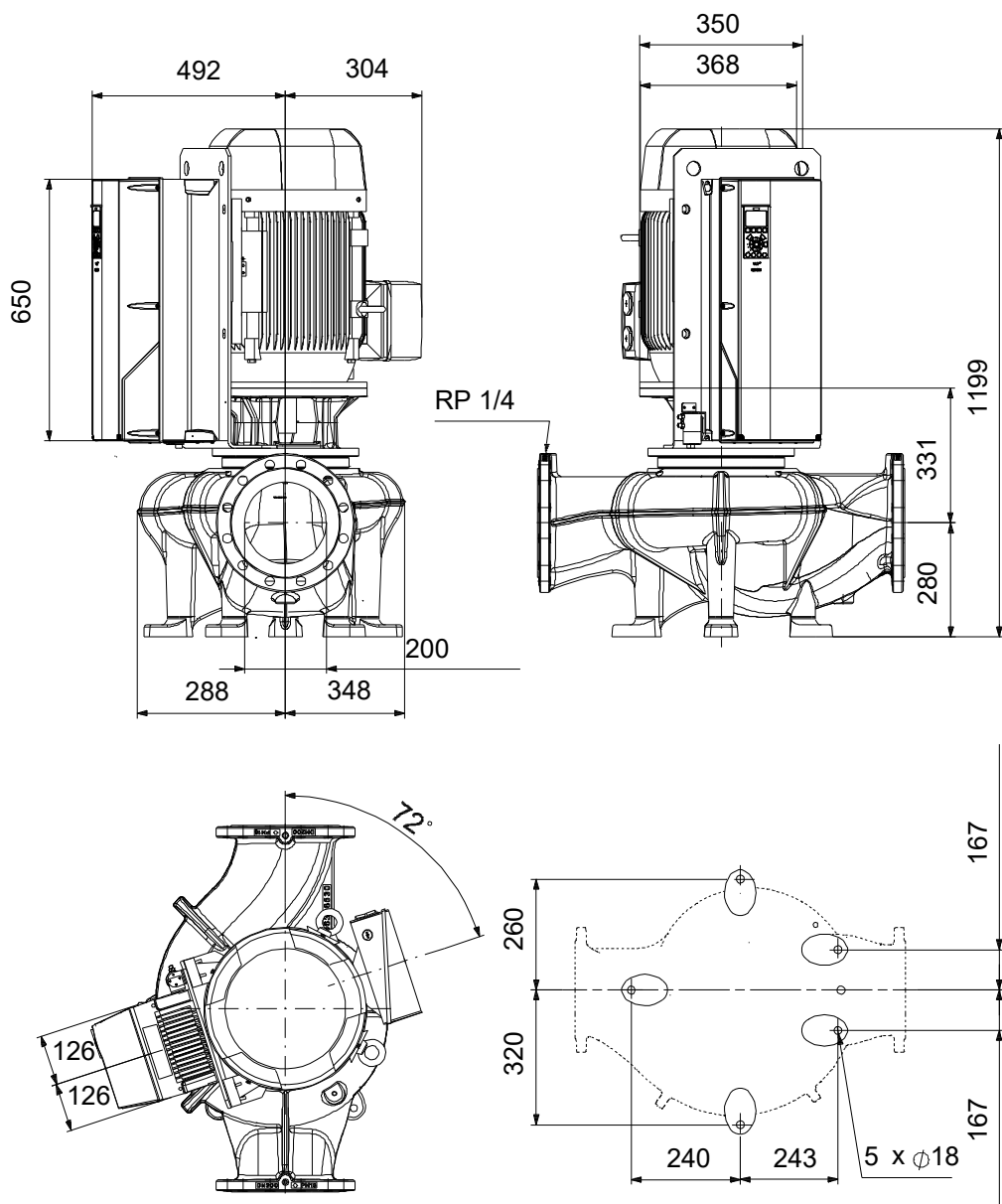


Description	Value		
General information:			
Product name:	TPE 200-200/4 SC-A-F-A-BQQE-QX3		
Product No:	99474609		
EAN number:	5713829711846		
Technical:			
Pump speed on which pump data are based:	1470 rpm		
Rated flow:	437 m³/h		
Rated head:	14 m		
Maximum head:	200 dm		
Actual impeller diameter:	248 mm		
Code for shaft seal:	BQQE		
Curve tolerance:	ISO9906:2012 3B		
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 200		
Pressure rating for connection:	PN 16		
Port-to-port length:	900 mm		
Flange size for motor:	FF300		
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:	22 kW		
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-420D/660-725Y V		
Rated current:	42,5-40,5/24,6-23,6 A		
Starting current:	680-680 %		
Cos phi - power factor:	0.8		
Rated speed:	1470 rpm		
Efficiency:	IE3 93,0%		
Motor efficiency at full load:	93.0-93.0 %		
Motor efficiency at 3/4 load:	93.7-93.7 %		
Motor efficiency at 1/2 load:	93.7-93.7 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protec:	PTC		
Motor No:	99454134		
Controls:			
VFD product number:	99448797		
Frequency converter:	Built-in		
Type of frequency converter:	CUE 3X380-500V IP55 RUG 22KW		
Appr. for VFD:	CE, CULUS, C-TICK		
Others:			
Minimum efficiency index, MEI ≥:	0.70		



Description	Value
Net weight:	506 kg
Gross weight:	603 kg
Shipping volume:	1.68 m ³
Config. file no:	99465380
Country of origin:	HU
Custom tariff no.:	84137051

99474609 TPE 200-200/4 SC-A-F-A-BQQE-QX3 50 Hz



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

Spare parts TPE 200-200/4, Product No. 99474609
Produced After 1339 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Kit, capillary tubes			99184237	1	pcs
508	Tube				1	
509	Capillary tube.				1	
-	Kit, sensor			96611525	1	pcs
	Cable tie				5	
	Bracket				1	
7a	Combi Slot Torx screw				3	
84c	Disc spring				3	
268	Pan head screw				1	
501	Sensor				1	
505	Bracket	Type: MGE			1	
506	Socket head cap screw				1	
508	Tube				1	
509	Capillary tube.				1	
510	Mounting bush.				2	
511	Cable pin				3	
-	Spare, wear ring			99208749	1	pcs
45	Wear ring				1	
	Control card			99590986	1	pcs
	Control panel			99591437	1	pcs
4	Fan, internal			96901612	1	pcs
6	Fan, main			96809605	1	pcs
5	Power card			96809725	1	pcs
3	SMPS			96809376	1	pcs
-	Motor				1	pcs
- 153	Ball bearing			99510992	1	
153	Ball bearing				1	
156	Kit, fan			98507819	1	
151	Kit, fan cover			98920945	1	
18	Plug			96620482	1	pcs
18	Plug			98164277	1	pcs
26	Staybolt	Length (mm): 65 Thread: M12		97512562	4	pcs
28	Hex head screw			96620478	4	pcs
36	Hex nut	Thread: M16		96620480	4	pcs
36	Nut	Thread: M12		96620479	4	pcs
49	Impeller			99306754	1	pcs
67	Nut	Thread: M25		92526532	1	pcs
72.a	O-ring	Diameter: 278,99 Material type: EPDM Thickness: 3,53		92547634	1	pcs
72.a	O-ring	Diameter: 278,99 Material type: EPDM Thickness: 3,53		92526510	1	pcs
72.a	O-ring	Diameter: 278,99 Material type: EPDM Thickness: 3,53		97511839	1	pcs
72.a	O-ring	Diameter: 278,99 Material type: EPDM Thickness: 3,53		97757673	1	pcs
77a	Pan head screw			99266550	4	pcs
510	Mounting bush.			99079267	2	pcs