

Inventflow: Grundfos A-partner

Grundfos TPE 150-390/4 SC-A-F-A-BQQE-SX3

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tpe/grundfos-tpe-150-390-4-sc-a-f-a-bqqe-sx3>

Contact

info@inventflow.nl

+31 (0) 546 45 80 72

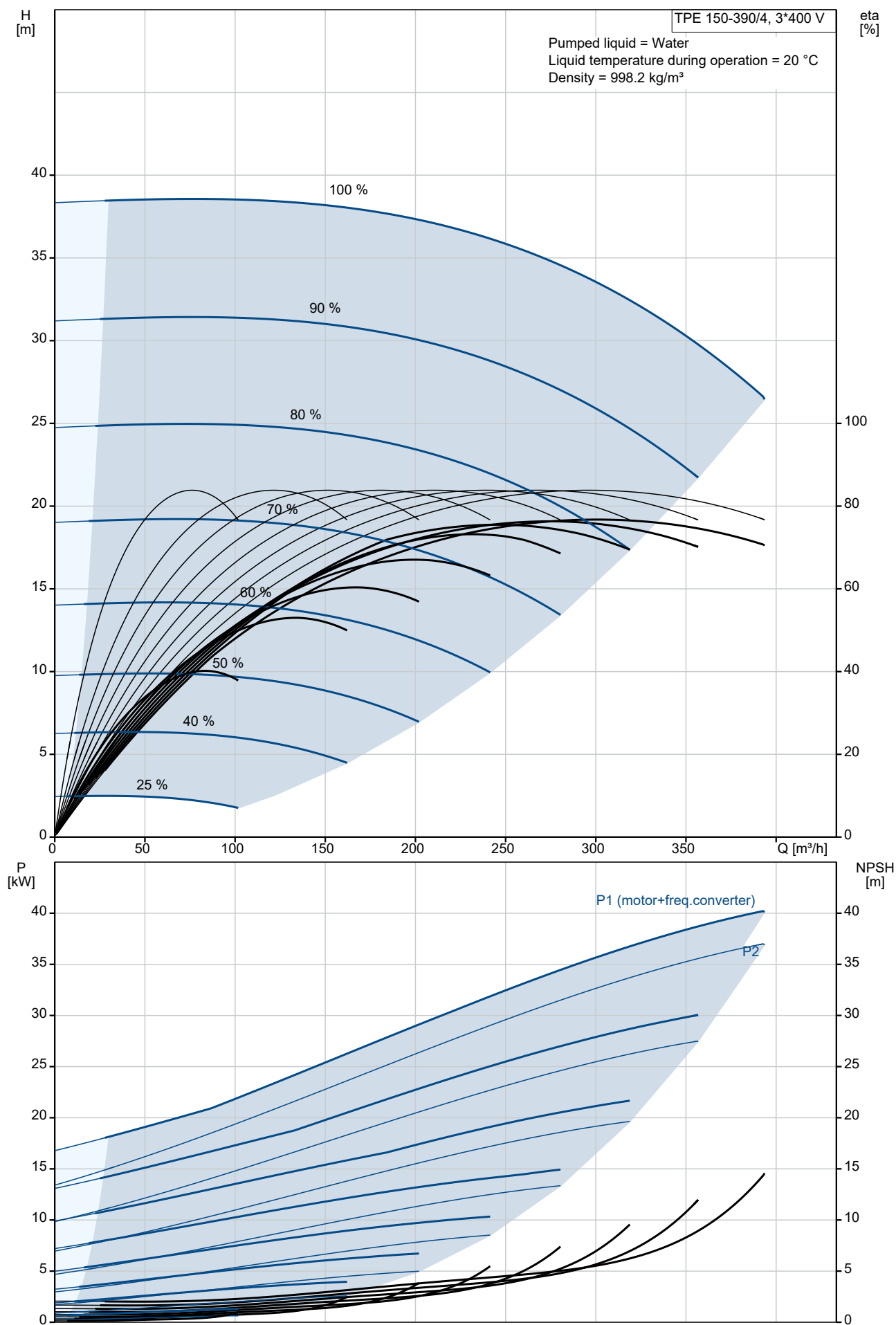
Datasheet



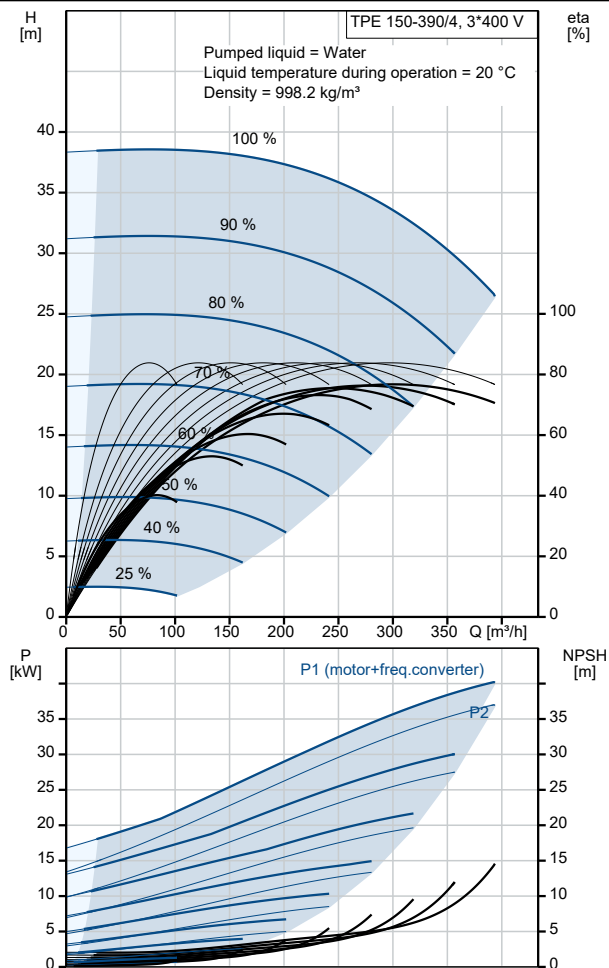
Qty.	Description																																
1	TPE 150-390/4 SC-A-F-A-BQQE-SX3  Note! Product picture may differ from actual product Product No.: 99474593 Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out design, 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>99448800</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 37KW</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>1480 rpm</td></tr> <tr> <td>Rated flow:</td><td>303 m³/h</td></tr> <tr> <td>Rated head:</td><td>33 m</td></tr> <tr> <td>Actual impeller diameter:</td><td>333 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:	99448800	Frequency converter:	Built-in	Type of frequency converter:	CUE 3X380-500V IP55 RUG 37KW	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:	1480 rpm	Rated flow:	303 m ³ /h	Rated head:	33 m	Actual impeller diameter:	333 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
VFD product number:	99448800																																
Frequency converter:	Built-in																																
Type of frequency converter:	CUE 3X380-500V IP55 RUG 37KW																																
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:	1480 rpm																																
Rated flow:	303 m ³ /h																																
Rated head:	33 m																																
Actual impeller diameter:	333 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																																

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 150 Pressure rating for connection: PN 16 Port-to-port length: 800 mm Flange size for motor: FF400 Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 69,0-64,0/39,5-37,0 A Starting current: 640-640 % Cos phi - power factor: 0.9 Rated speed: 1480 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99454136 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 658 kg Gross weight: 789 kg Shipping volume: 2.38 m³ Country of origin: HU Custom tariff no.: 84137051

99474593 TPE 150-390/4 SC-A-F-A-BQQE-SX3 50 Hz

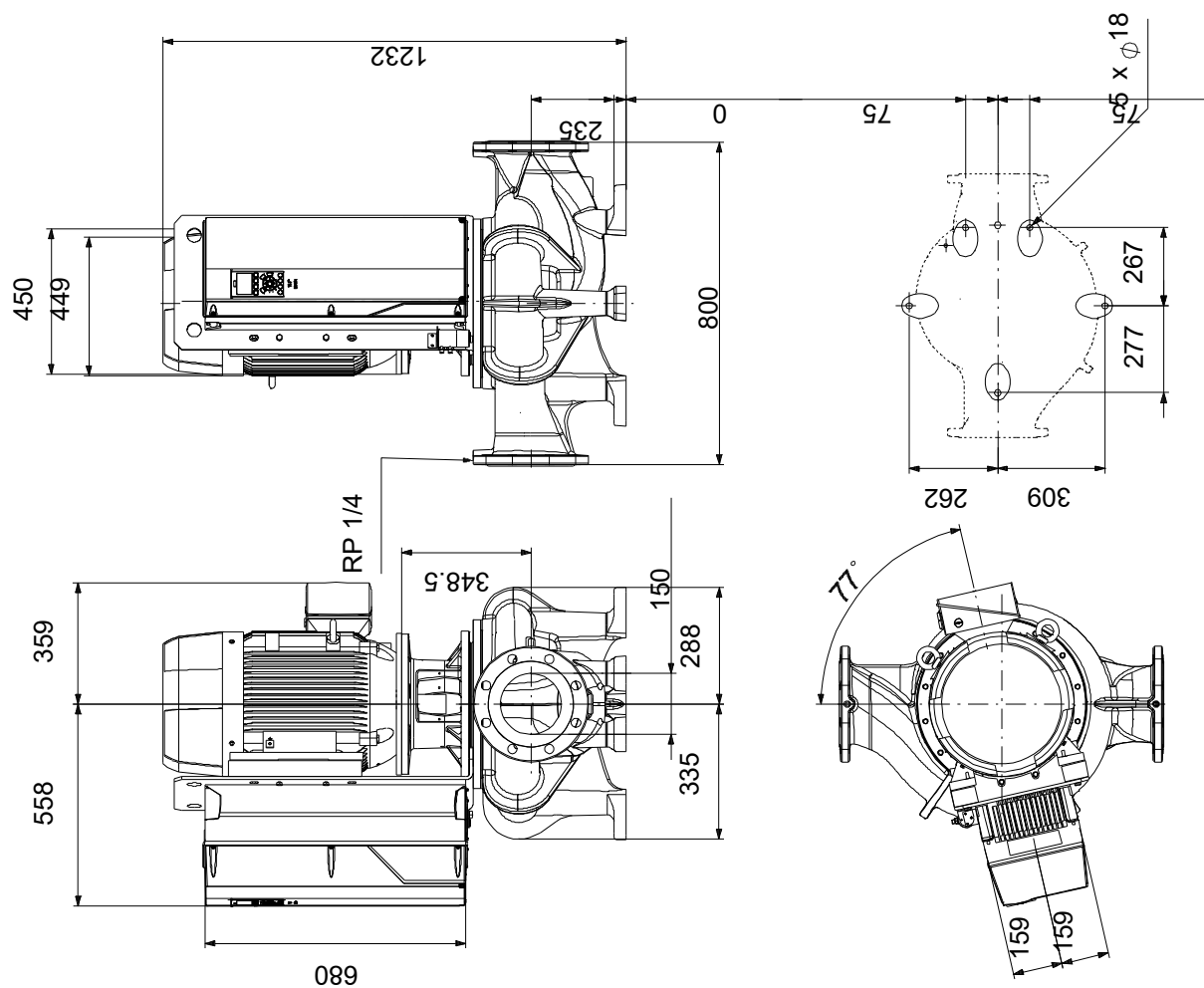


Description	Value
General information:	
Product name:	TPE 150-390/4 SC-A-F-A-BQQE-SX3
Product No:	99474593
EAN number:	5713829711532
Technical:	
Pump speed on which pump data are based:	1480 rpm
Rated flow:	303 m³/h
Rated head:	33 m
Maximum head:	390 dm
Actual impeller diameter:	333 mm
Code for shaft 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 150
Pressure rating for connection:	PN 16
Port-to-port length:	800 mm
Flange size for motor:	FF400
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:	37 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	69,0-64,0/39,5-37,0 A
Starting current:	640-640 %
Cos phi - power factor:	0.9
Rated speed:	1480 rpm
Efficiency:	IE3 93,9%
Motor efficiency at full load:	93.9-93.9 %
Motor efficiency at 3/4 load:	94.5-94.5 %
Motor efficiency at 1/2 load:	94.4-94.4 %
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	99454136
Controls:	
VFD product number:	99448800
Frequency converter:	Built-in
Type of frequency converter:	CUE 3X380-500V IP55 RUG 37KW
Appr. for VFD:	CE, CULUS, C-TICK
Others:	
Minimum efficiency index, MEI ≥:	0.70



Description	Value
Net weight:	658 kg
Gross weight:	789 kg
Shipping volume:	2.38 m ³
Config. file no:	99465316
Country of origin:	HU
Custom tariff no.:	84137051

99474593 TPE 150-390/4 SC-A-F-A-BQQE-SX3 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 150-390/4, Product No. 99474593
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			96611527	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			99208792	1	pcs
45	Wear ring				1	
	Control card			99590986	1	pcs
	Control panel			99591437	1	pcs
9	Current sensor			96809465	1	pcs
4	Fan, internal			96809361	1	pcs
6	Fan, main			96809614	1	pcs
8	IGBT			96809410	1	pcs
5	Power card			96809729	1	pcs
7	Rectifier/thyristor			96809429	1	pcs
	Staybolt			97512560	4	pcs
-	Motor				1	pcs
- 153	Ball bearing			99511025	1	
153	Ball bearing				1	
156	Kit, fan			98062265	1	
151	Kit, fan cover			98062275	1	
164a	Kit, terminal box			98062262	1	
6	Pump housing			99527960	1	pcs
18	Plug			96620482	1	pcs
18	Plug			98164277	1	pcs
28	Hex head screw	Length (mm): 60 Thread: M16		97506949	8	pcs
36	Nut	Thread: M12		96620479	14	pcs
36	Hex nut	Thread: M16		96620480	4	pcs
49	Impeller	Outer diameter: 333		96930644	1	pcs
67	Nut	Thread: M25		92526532	1	pcs
72a	O-ring	Diameter: 329,79 Material type: EPDM Thickness: 3,53		92547632	1	pcs
72a	O-ring	Diameter: 329,79 Material type: EPDM Thickness: 3,53		92526511	1	pcs
72a	O-ring	Diameter: 329,79 Material type: EPDM Thickness: 3,53		97511846	1	pcs
72a	O-ring	Diameter: 329,79 Material type: EPDM Thickness: 3,53		97757675	1	pcs
77a	Pan head screw			99266550	4	pcs
510	Mounting bush.			99079267	2	pcs