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Inventflow: Grundfos A-partner

Grundfos TPE 125-400/4 NC-A-F-A-BQQE-RX3

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tpe/grundfos-tpe-125-400-4-nc-a-f-a-bqqe-rx3>

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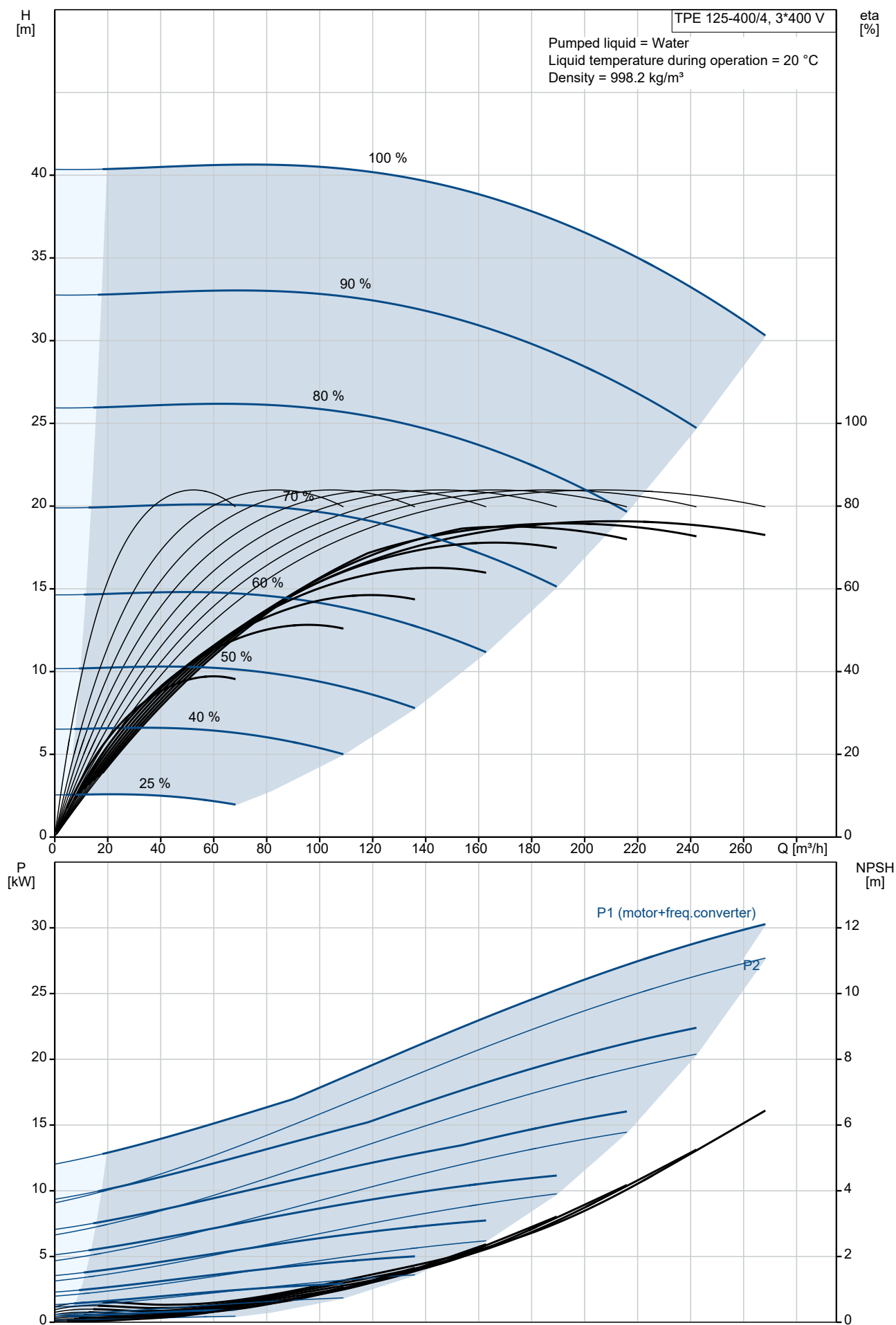
Datasheet



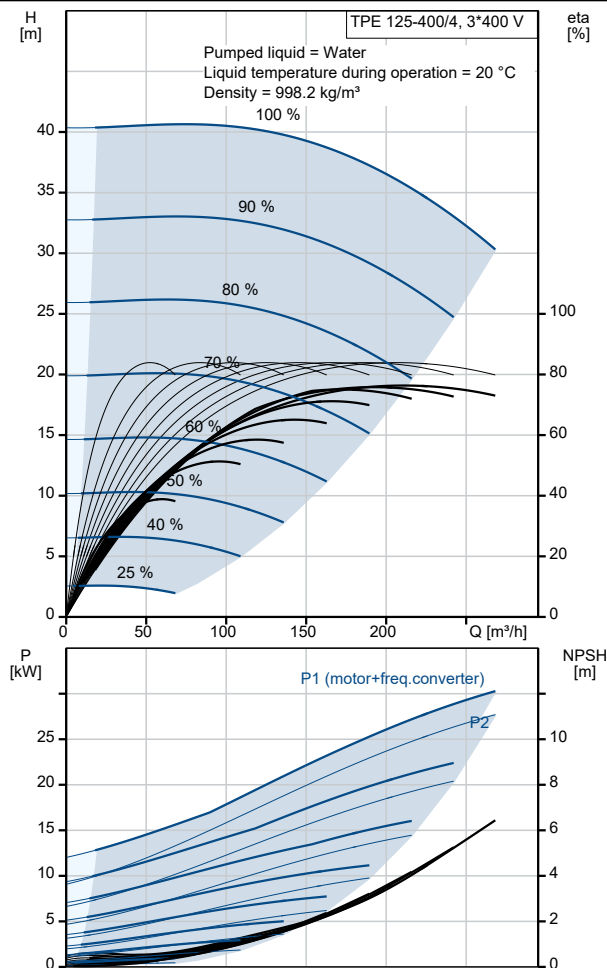
Qty.	Description
1	TPE 125-400/4 NC-A-F-A-BQQE-RX3  Note! Product picture may differ from actual product Product No.: 99473946 Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out design, i.e. the power head (motor, pump 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. Controls: VFD product number: 99448799 Frequency converter: Built-in Type of frequency converter: CUE 3X380-500V IP55 RUG 30KW Appr. for VFD: CE, CULUS, C-TICK 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: 1470 rpm Rated flow: 208 m³/h Rated head: 36.2 m Actual impeller diameter: 334 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B Materials: Pump housing: Cast iron EN-GJL-250 ASTM class 35 Impeller: Cast iron EN-GJL-200

Qty.	Description
	ASTM class 30
	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 125
	Pressure rating for connection: PN 16
	Port-to-port length: 800 mm
	Flange size for motor: FF350
	Electrical data:
	Motor type: SIEMENS
	IE Efficiency class: IE3
	Rated power - P2: 30 kW
	Mains frequency: 50 Hz
	Rated voltage: 3 x 380-420D/660-725Y V
	Rated current: 57,5-54,0/33,5-31,5 A
	Starting current: 690-690 %
	Cos phi - power factor: 0.8
	Rated speed: 1470 rpm
	Efficiency: IE3 93,6%
	Motor efficiency at full load: 93.6-93.6 %
	Motor efficiency at 3/4 load: 94.3-94.3 %
	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: 99454135
	Others:
	Minimum efficiency index, MEI ≥: 0.70
	Net weight: 507 kg
	Gross weight: 652 kg
	Shipping volume: 1.76 m³
	Country of origin: HU
	Custom tariff no.: 84137051

99473946 TPE 125-400/4 NC-A-F-A-BQQE-RX3 50 Hz

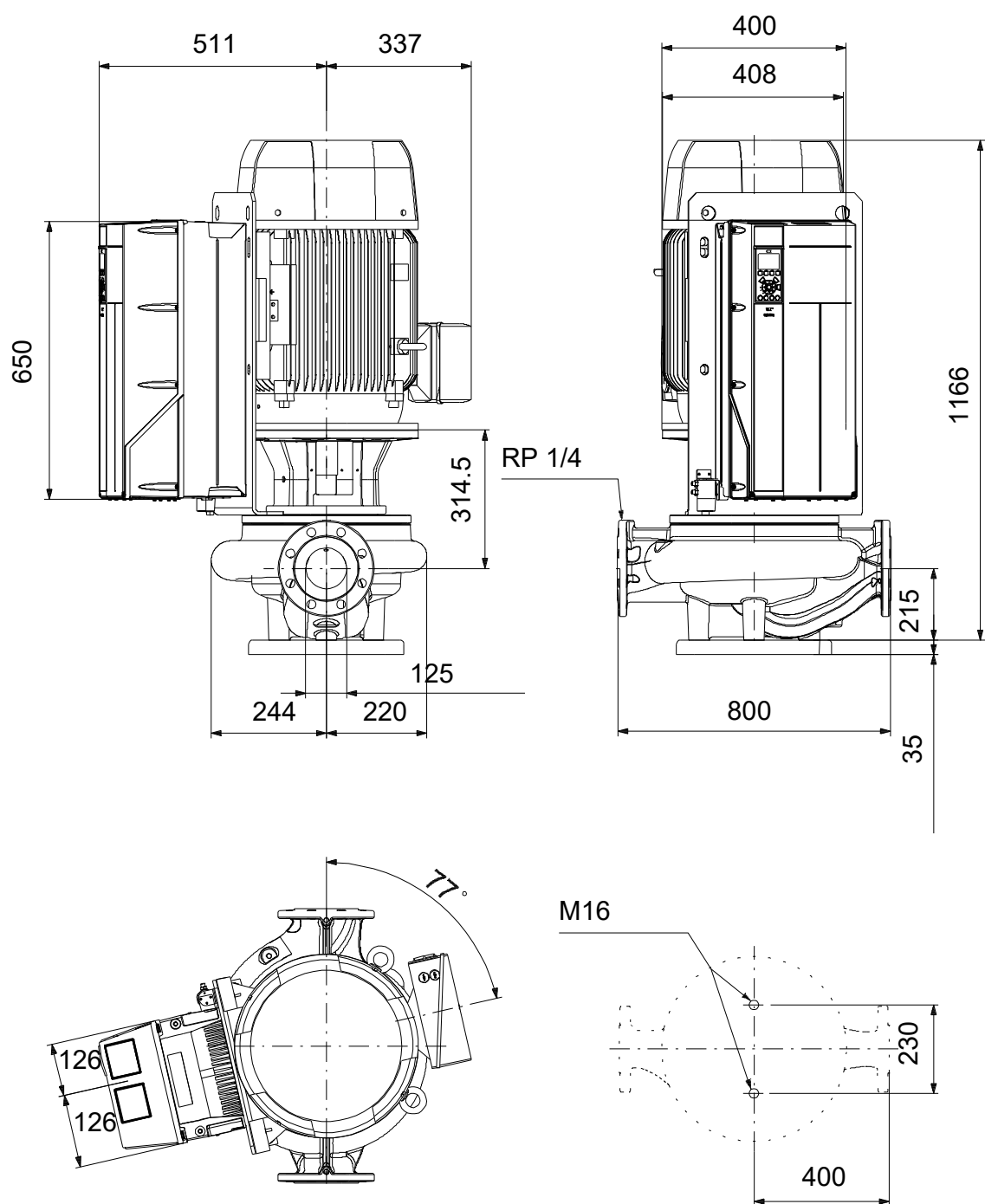


Description	Value
General information:	
Product name:	TPE 125-400/4 NC-A-F-A-BQQE-RX3
Product No:	99473946
EAN number:	5713829699243
Technical:	
Pump speed on which pump data are based:	1470 rpm
Rated flow:	208 m³/h
Rated head:	36.2 m
Maximum head:	400 dm
Actual impeller diameter:	334 mm
Code for shaft 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 125
Pressure rating for connection:	PN 16
Port-to-port length:	800 mm
Flange size for motor:	FF350
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:	30 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	57,5-54,0/33,5-31,5 A
Starting current:	690-690 %
Cos phi - power factor:	0.8
Rated speed:	1470 rpm
Efficiency:	IE3 93,6%
Motor efficiency at full load:	93.6-93.6 %
Motor efficiency at 3/4 load:	94.3-94.3 %
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:	99454135
Controls:	
VFD product number:	99448799
Frequency converter:	Built-in
Type of frequency converter:	CUE 3X380-500V IP55 RUG 30KW
Appr. for VFD:	CE, CULUS, C-TICK
Others:	
Minimum efficiency index, MEI ≥:	0.70



Description	Value
Net weight:	507 kg
Gross weight:	652 kg
Shipping volume:	1.76 m ³
Config. file no:	99465398
Country of origin:	HU
Custom tariff no.:	84137051

99473946 TPE 125-400/4 NC-A-F-A-BQQE-RX3 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 125-400/4, Product No. 99473946
Produced After 1339 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
- 56	Base plate			96536246	1	pcs
28g	Hex head cap screw		Length (mm): 30 MM		2	
			Thread: M16			
56	Base plate				1	
-	Spare, wear ring			99208807	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			96809728	1	pcs
3	SMPS			96809397	1	pcs
	Staybolt			97512560	4	pcs
-	Motor				1	pcs
153	Ball bearing			99423034	1	
156	Kit, fan			98062265	1	
151	Kit, fan cover			98062275	1	
164a	Kit, terminal box			98062262	1	
18	Plug			96620482	1	pcs
18	Plug			98164277	1	pcs
19	Plug			98163028	2	pcs
28	Hex head screw		Length (mm): 60	97506949	4	pcs
			Thread: M16			
36	Nut		Thread: M12	96620479	14	pcs
36	Hex nut		Thread: M16	96620480	4	pcs
49	Impeller			96794905	1	pcs
56	Base plate			99788464	1	pcs
67	Nut		Thread: M18	92526535	1	pcs
72a	O-ring		Diameter: 329,79	92547632	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
72a	O-ring		Diameter: 329,79	92526511	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
72a	O-ring		Diameter: 329,79	97511846	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
72a	O-ring		Diameter: 329,79	97757675	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
- 77	Cover			99437001	1	pcs
36	Nut		Thread: M10	96620484	8	
77a	Pan head screw			99266550	4	pcs