



POMPTechniek • SERVICE • ONDERHOUD

Inventflow: Grundfos A-partner

Grundfos TPE 65-930/2 NC-A-F-A-BQQE-RX1

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tpe/grundfos-tpe-65-930-2-nc-a-f-a-bqqe-rx1>

Contact

info@inventflow.nl

+31 (0) 546 45 80 72

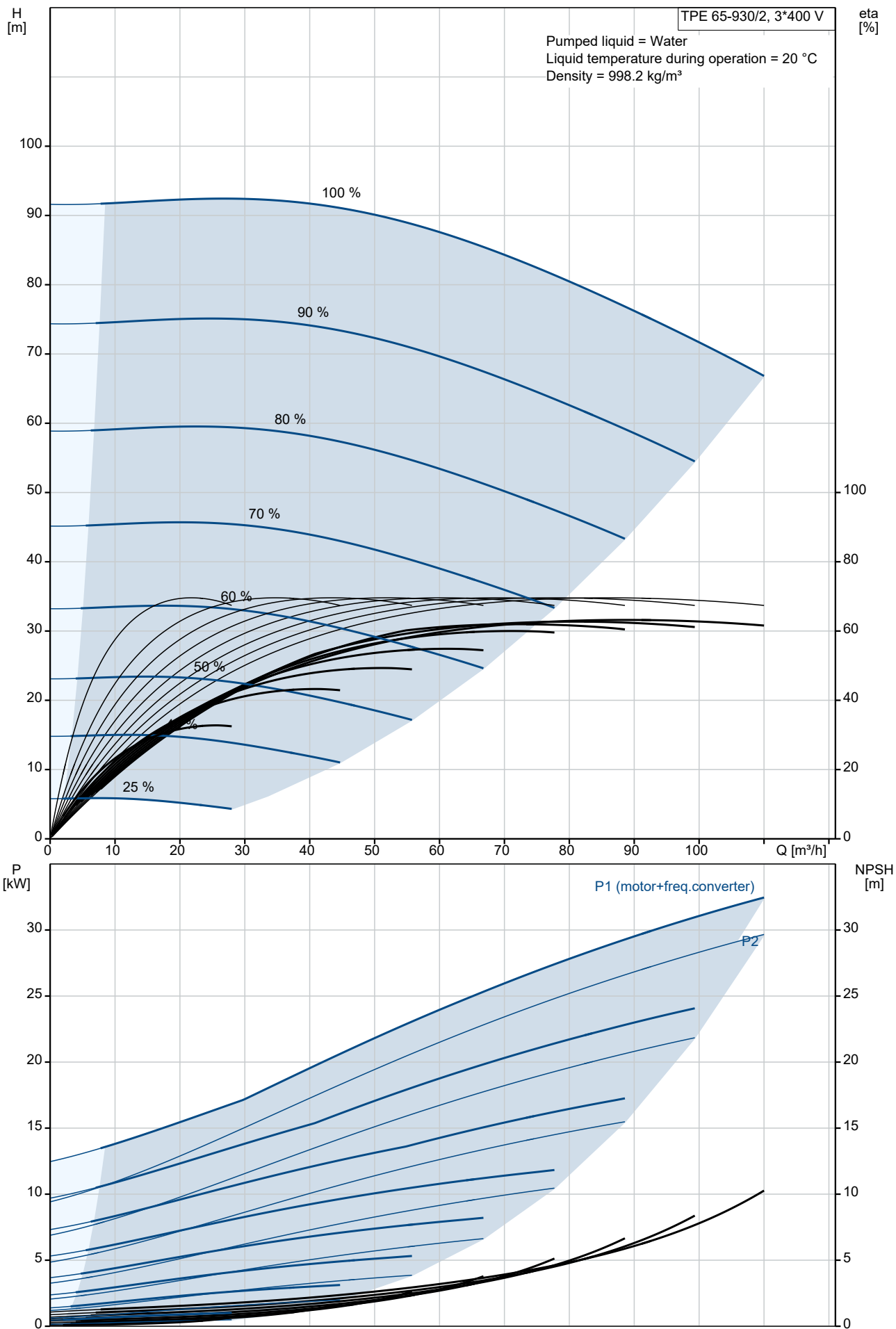
Datasheet



Qty.	Description
1	TPE 65-930/2 NC-A-F-A-BQQE-RX1  Note! Product picture may differ from actual product Product No.: 99473932 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: 2950 rpm Rated flow: 85.8 m³/h Rated head: 78 m Actual impeller diameter: 257 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

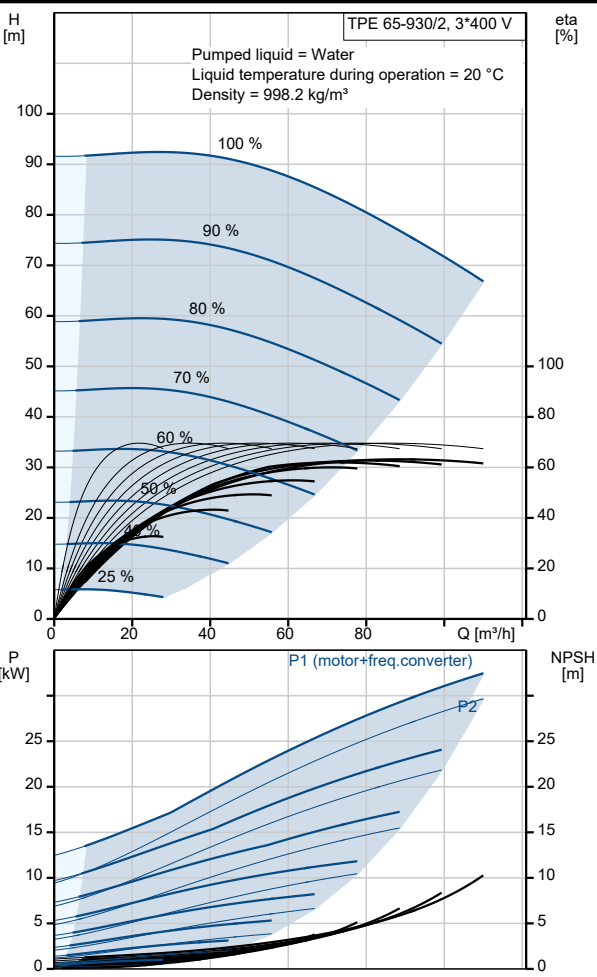
Qty.	Description
	ASTM class 30
	Installation:
	Range of ambient temperature: -20 .. 55 °C
	Maximum operating pressure: 16 bar
	Max pressure at stated temp: 16 bar / 120 °C
	Type of connection: DIN
	Size of connection: DN 65
	Pressure rating for connection: PN 16
	Port-to-port length: 475 mm
	Flange 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: 56,0-51,0/32,0-29,5 A
	Starting current: 660-660 %
	Cos phi - power factor: 0.86
	Rated speed: 2955 rpm
	Efficiency: IE3 93,3%
	Motor efficiency at full load: 93.3-93.3 %
	Motor efficiency at 3/4 load: 93.6-93.6 %
	Motor efficiency at 1/2 load: 93.4-93.4 %
	Number of poles: 2
	Enclosure class (IEC 34-5): IP55
	Insulation class (IEC 85): F
	Motor No: 99454131
	Others:
	Minimum efficiency index, MEI ≥: 0.70
	Net weight: 345 kg
	Gross weight: 488 kg
	Shipping volume: 1.28 m³
	Country of origin: HU
	Custom tariff no.: 84137051

99473932 TPE 65-930/2 NC-A-F-A-BQQE-RX1 50 Hz



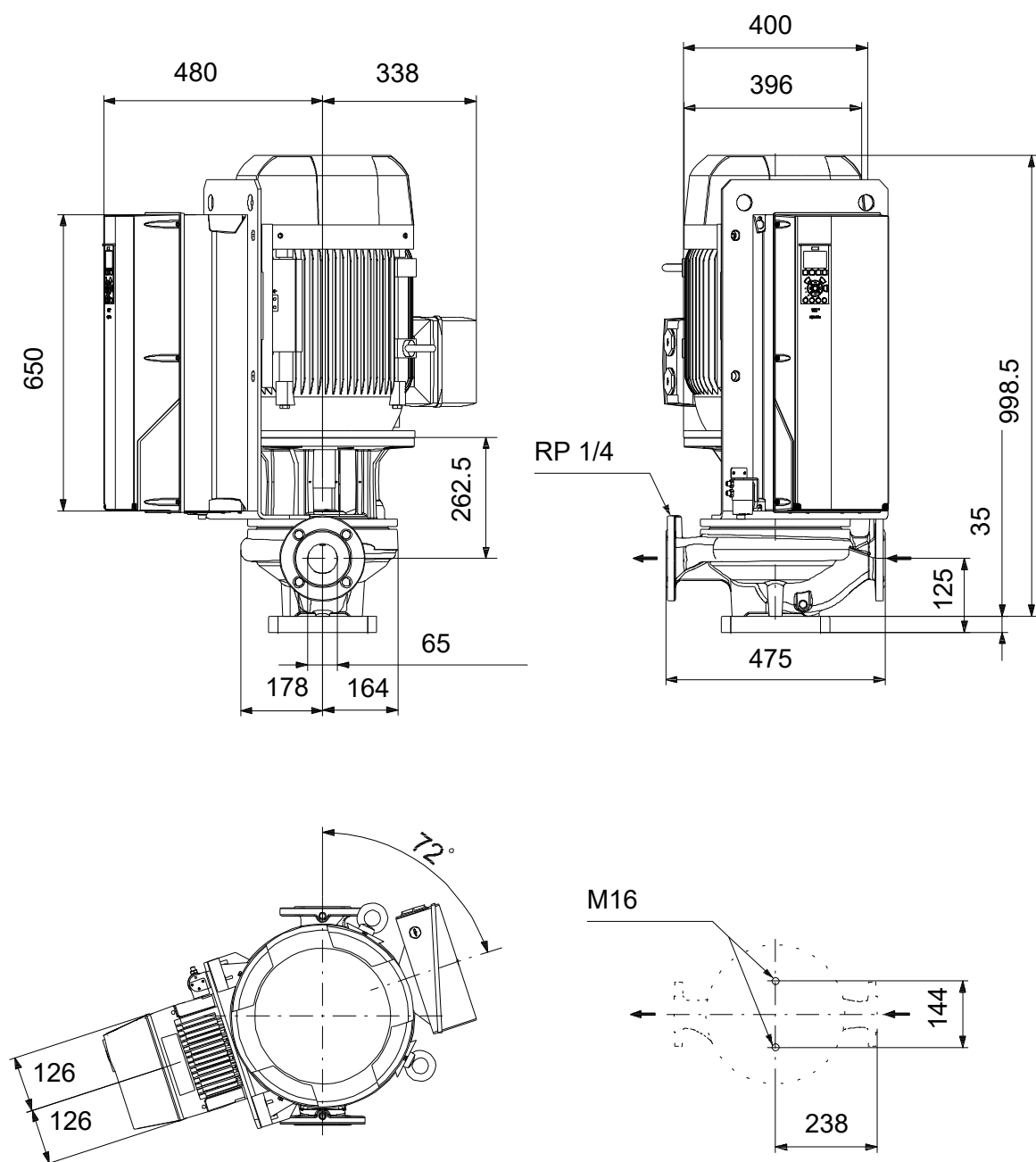
Description	Value	TPE 65-930/2, 3*400 V		eta [%]
General information:				
Product name:	TPE 65-930/2 NC-A-F-A-BQQE-RX1			
Product No:	99473932			
EAN number:	5713829698963			
Technical:				
Pump speed on which pump data are based:	2950 rpm			
Rated flow:	85.8 m³/h			
Rated head:	78 m			
Maximum head:	930 dm			
Actual impeller diameter:	257 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 65			
Pressure rating for connection:	PN 16			
Port-to-port length:	475 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:	56,0-51,0/32,0-29,5 A			
Starting current:	660-660 %			
Cos phi - power factor:	0.86			
Rated speed:	2955 rpm			
Efficiency:	IE3 93,3%			
Motor efficiency at full load:	93.3-93.3 %			
Motor efficiency at 3/4 load:	93.6-93.6 %			
Motor efficiency at 1/2 load:	93.4-93.4 %			
Number of poles:	2			
Enclosure class (IEC 34-5):	IP55			
Insulation class (IEC 85):	F			
Motor protec:	PTC			
Motor No:	99454131			
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			

Pumped liquid = Water
Liquid temperature during operation = 20 °C
Density = 998.2 kg/m³



Description	Value
Net weight:	345 kg
Gross weight:	488 kg
Shipping volume:	1.28 m³
Config. file no:	99465384
Country of origin:	HU
Custom tariff no.:	84137051

99473932 TPE 65-930/2 NC-A-F-A-BQQE-RX1 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 65-930/2, Product No. 99473932
Produced After 1339 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Kit, Base plate			00485031	1	pcs
28g	Hex head screw				2	
56	Base plate				1	
-	Spare, wear ring			99208819	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
-	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	Pipe plug	Thread: R 3/8		96620487	2	pcs
19	Plug			98163028	2	pcs
26	Staybolt	Length (mm): 45 Thread: M10		97512551	4	pcs
28	Hex head screw	Length (mm): 60 Thread: M16		97506949	4	pcs
36	Hex nut	Thread: M16		96620480	4	pcs
49	Impeller	Outer diameter: 257		98296644	1	pcs
-	Pump housing cpl.			98785084	1	pcs
36	Nut	Thread: M10		96620484	10	
56	Base plate			96590430	1	pcs
67	Nut	Thread: M14		92526531	1	pcs
72a	O-ring	Diameter: 253,6 Material type: EPDM Thickness: 3,53		92547618	1	pcs
72a	O-ring	Diameter: 253,6 Material type: EPDM Thickness: 3,53		92526509	1	pcs
72a	O-ring	Diameter: 253,6 Material type: EPDM Thickness: 3,53		97511826	1	pcs
72a	O-ring	Diameter: 253,6 Material type: EPDM Thickness: 3,53		97757672	1	pcs
77a	Pan head screw			99266550	4	pcs