

Inventflow: Grundfos A-partner

Grundfos TP 50-60/2 A-F-Z-BQQE-DX1

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tp/grundfos-tp-50-60-2-a-f-z-bqqe-dx1>

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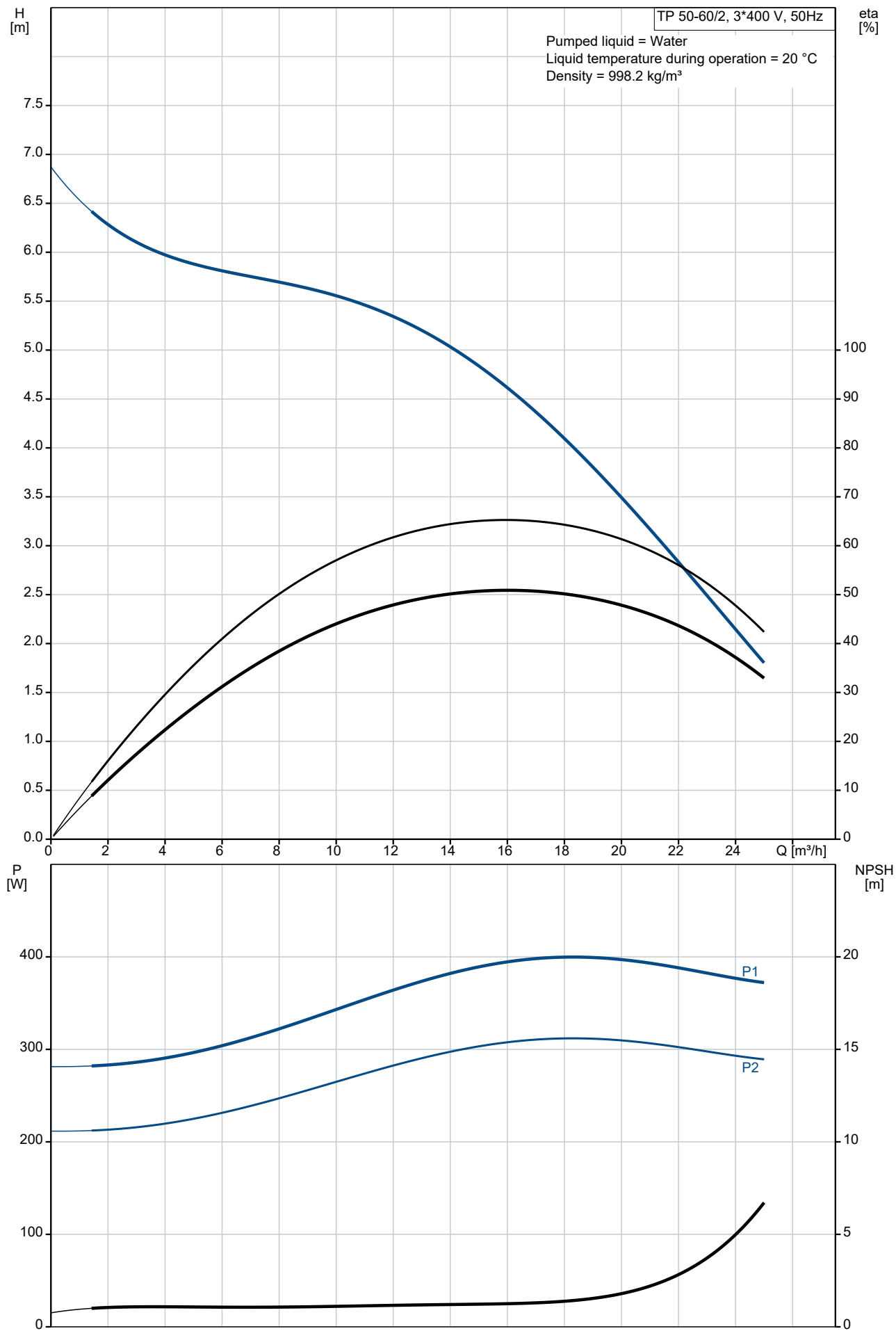
Datasheet



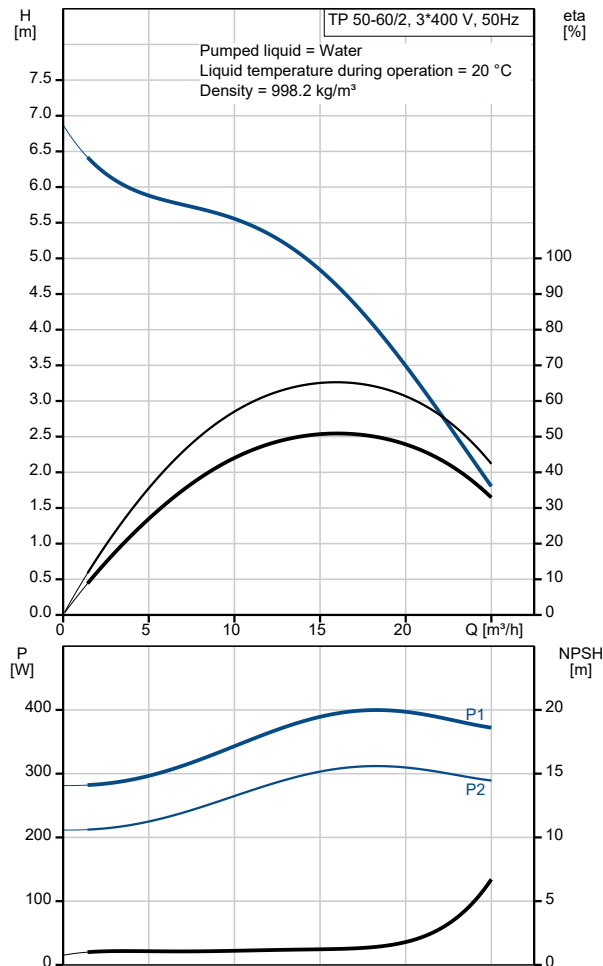
Qty.	Description
1	TP 50-60/2 A-F-Z-BQQE-DX1  Note! Product picture may differ from actual product Product No.: 97958920 Single-stage centrifugal volute in-line single-head pump: - neck rings and impeller made of stainless steel - cataphoresis treatment - shell coupling - top-pull-out principle for easy 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: 2870 rpm Rated flow: 16 m³/h Rated head: 4.6 m Actual impeller diameter: 74 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B2 Materials: Pump housing: Bronze CuSn10 ASTM B505 Impeller: Stainless steel EN 1.4301 AISI 304 Installation: Range of ambient temperature: -30 .. 60 °C Maximum operating pressure: 10 bar Max pressure at stated temp: 10 bar / 120 °C Type of connection: DIN Size of connection: DN 50

Qty.	Description
	Pressure rating for connection: PN 6/10 Port-to-port length: 280 mm Flange size for motor: FT85 Electrical data: Motor type: 71A IE Efficiency class: IE3 Rated power - P2: 0.37 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-415Y V Rated current: 1.74/1.00 A Starting current: 490-530 % Cos phi - power factor: 0.80-0.70 Rated speed: 2850-2880 rpm Efficiency: IE3 73,8% Motor efficiency at full load: 73.8 % Motor efficiency at 3/4 load: 79.0 % Motor efficiency at 1/2 load: 75.5 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85805102 Others: Minimum efficiency index, MEI $\geq$: 0.60 Net weight: 29.6 kg Gross weight: 33.1 kg Shipping volume: 0.08 m ³ Danish VVS No.: 381883060 Country of origin: HU Custom tariff no.: 84137051

97958920 TP 50-60/2 A-F-Z-BQQE-DX1 50 Hz

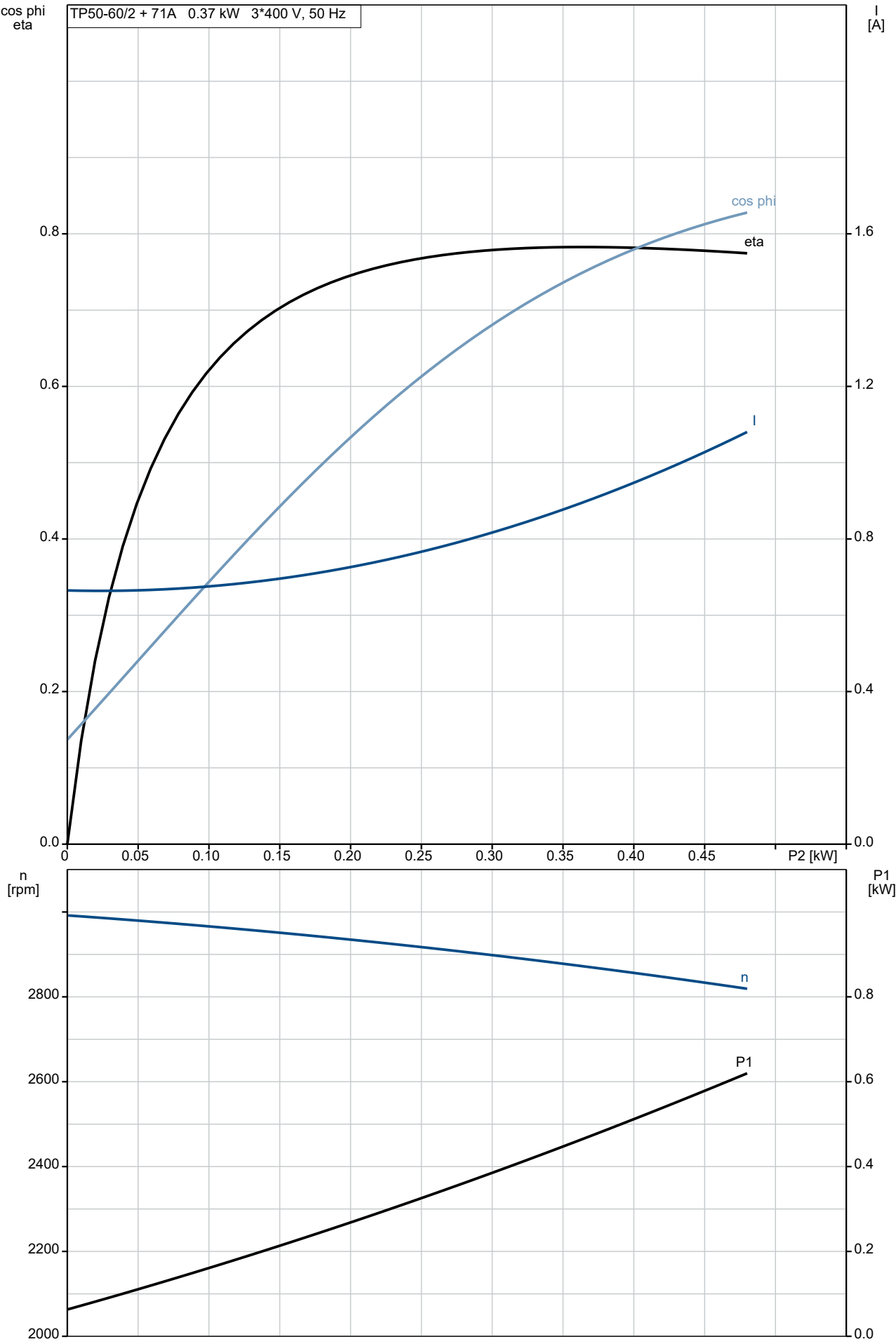


Description	Value		
General information:			
Product name:	TP 50-60/2 A-F-Z-BQQE-DX1		
Product No:	97958920		
EAN number:	5710627115524		
Technical:			
Pump speed on which pump data are based:	2870 rpm		
Rated flow:	16 m³/h		
Rated head:	4.6 m		
Maximum head:	60 dm		
Actual impeller diameter:	74 mm		
Code for shaft seal:	BQQE		
Curve tolerance:	ISO9906:2012 3B2		
Pump version:	A		
Materials:			
Pump housing:	Bronze		
Pump housing:	CuSn10		
Pump housing:	ASTM B505		
Impeller:	Stainless steel		
Impeller:	EN 1.4301		
Impeller:	AISI 304		
Material code:	Z		
Installation:			
Range of ambient temperature:	-30 .. 60 °C		
Maximum operating pressure:	10 bar		
Max pressure at stated temp:	10 bar / 120 °C		
Type of connection:	DIN		
Size of connection:	DN 50		
Pressure rating for connection:	PN 6/10		
Port-to-port length:	280 mm		
Flange size for motor:	FT85		
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:	71A		
IE Efficiency class:	IE3		
Rated power - P2:	0.37 kW		
Mains frequency:	50 Hz		
Rated voltage:	3 x 220-240D/380-415Y V		
Rated current:	1.74/1.00 A		
Starting current:	490-530 %		
Cos phi - power factor:	0.80-0.70		
Rated speed:	2850-2880 rpm		
Efficiency:	IE3 73.8%		
Motor efficiency at full load:	73.8 %		
Motor efficiency at 3/4 load:	79.0 %		
Motor efficiency at 1/2 load:	75.5 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protec:	NONE		
Motor No:	85805102		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.60		
Net weight:	29.6 kg		
Gross weight:	33.1 kg		
Shipping volume:	0.08 m³		

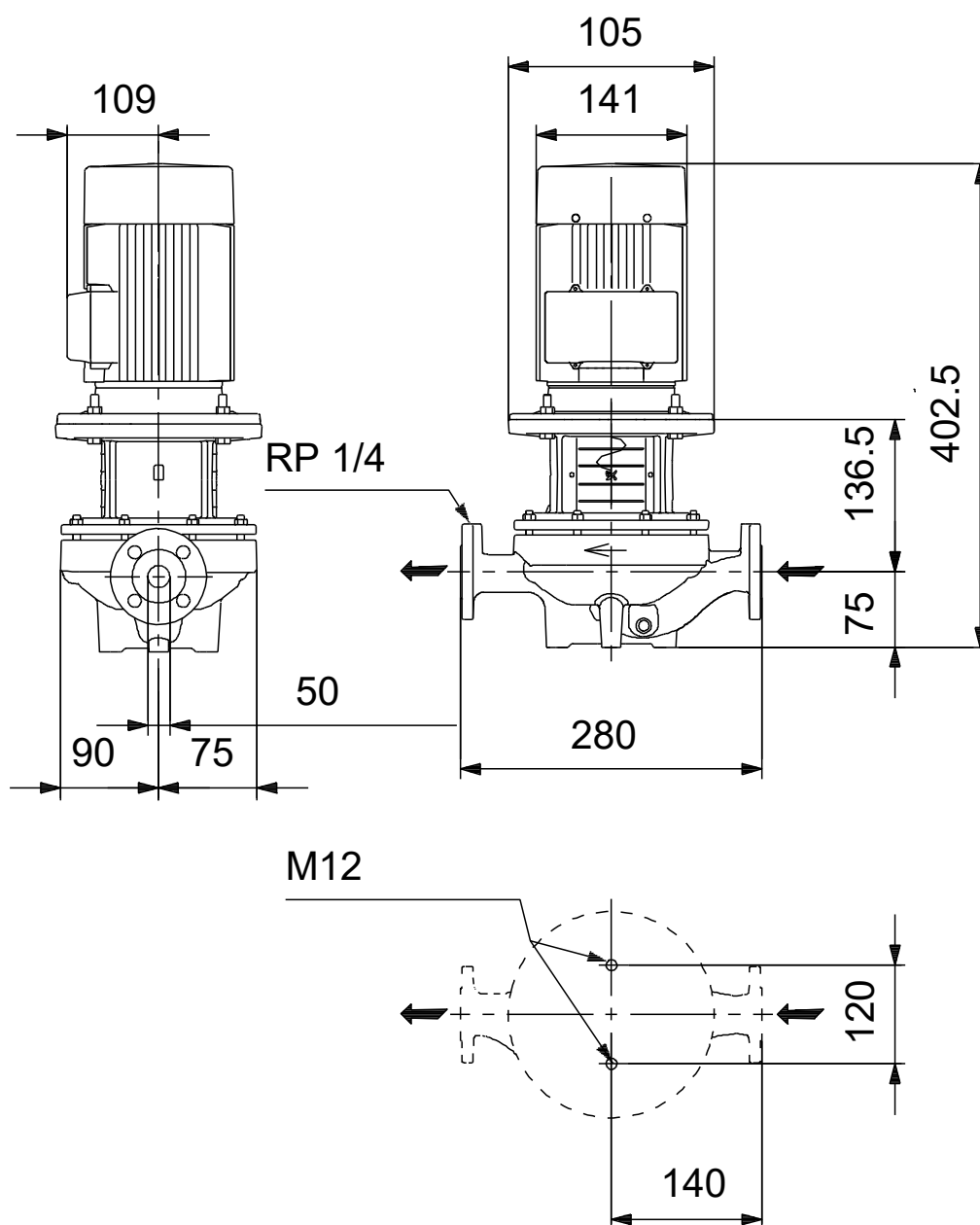


Description	Value
Danish VVS No.:	381883060
Country of origin:	HU
Custom tariff no.:	84137051

97958920 TP 50-60/2 A-F-Z-BQQE-DX1 50 Hz



97958920 TP 50-60/2 A-F-Z-BQQE-DX1 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 50-60/2, Product No. 97958920
Produced After 1809 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Kit, coupling			00339114	1	pcs
9	Hex socket head cap screw		Designation: DIN 912		4	
			Length (mm): 20			
			Thread: M6			
10a	Coupling half				2	
10	Shaft pin		Diameter: 5		1	
			Length (mm): 26			
-	Kit, shaft seal			98313337	1	pcs
	Plug				2	
72a	O-ring		Diameter: 154		1	
			Material type: EPDM			
			Thickness: 4			
72a	O-ring				1	
105	Shaft seal				1	
-	Shaft w/impeller cpl.			98313240	1	pcs
48	Split cone nut			96547614	1	
49b	Split cone			96547797	1	
49	Impeller cpl.			96547749	1	
51	Pump shaft			96547793	1	
-	Pump housing cpl.			98312630	1	pcs
65	Teflon ring			98672497	1	
-	Motor			85900331	1	pcs
-	Kit, Ball bearing			96279730	1	
111	Ball bearing		Designation: 6204.2Z.C3.SYN		1	
111	Ball bearing				1	
157	O-ring		Diameter: 32		1	
			Material type: NBR			
			Thickness: 2			
158	Waved washer				1	
-	Kit, fan			96279721	1	
156	Fan				1	
159a	Seal ring				1	
-	Kit, fan cover			96279720	1	
151	Fan cover				1	
152	Pan head thread forming screw				2	
-	Kit, flange			96279727	1	
156b	Flange				1	
159c	Seal ring				1	
184	Gasket		Internal diameter: 114,80		1	
			Outer diameter: 121,20			
			Thickness: 0,25			
185	Pan head screw				4	
186	Drain plug				1	
-	Kit, shaft seal			96279722	1	
159c	Seal ring				1	
159a	Seal ring				1	
-	Kit, terminal box			96279724	1	
152	Pan head thread forming screw				4	
164a	Terminal box w/gasket				1	
164	Terminal box cover w/gasket				1	
173a	Washer		Designation: SQUARE		1	
			Internal diameter: 5,5			
			Outer diameter: 10X10			

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
			Thickness: 1,5			
173a	Base				1	
173	Pan head thread forming screw		Designation: COMBI TORX T25		1	
173	Pan head screw		Designation: DIN 7985		1	
175	Pan head screw		Designation: DIN 7985		2	
176	Terminal cpl.				1	
7a	Pan head screw			96536492	4	pcs
7	Coupling guard			96590448	2	pcs
10	Shaft pin		Diameter: 5	96536473	1	pcs
			Length (mm): 26			
10	Shaft pin		Diameter: 5	96587588	1	pcs
			Length (mm): 26			
18	Plug			96620482	1	pcs
18	Plug			98164277	1	pcs
19	Pipe plug		Thread: R 1/4	98163051	2	pcs
26	Hex head screw		Length (mm): 25	99335941	4	pcs
			Thread: M8			
72a	O-ring			98163016	1	pcs