

Inventflow: Grundfos A-partner

Grundfos TP 50-420/2 A-F-A-BQQE-MX1

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tp/grundfos-tp-50-420-2-a-f-a-bqqe-mx1>

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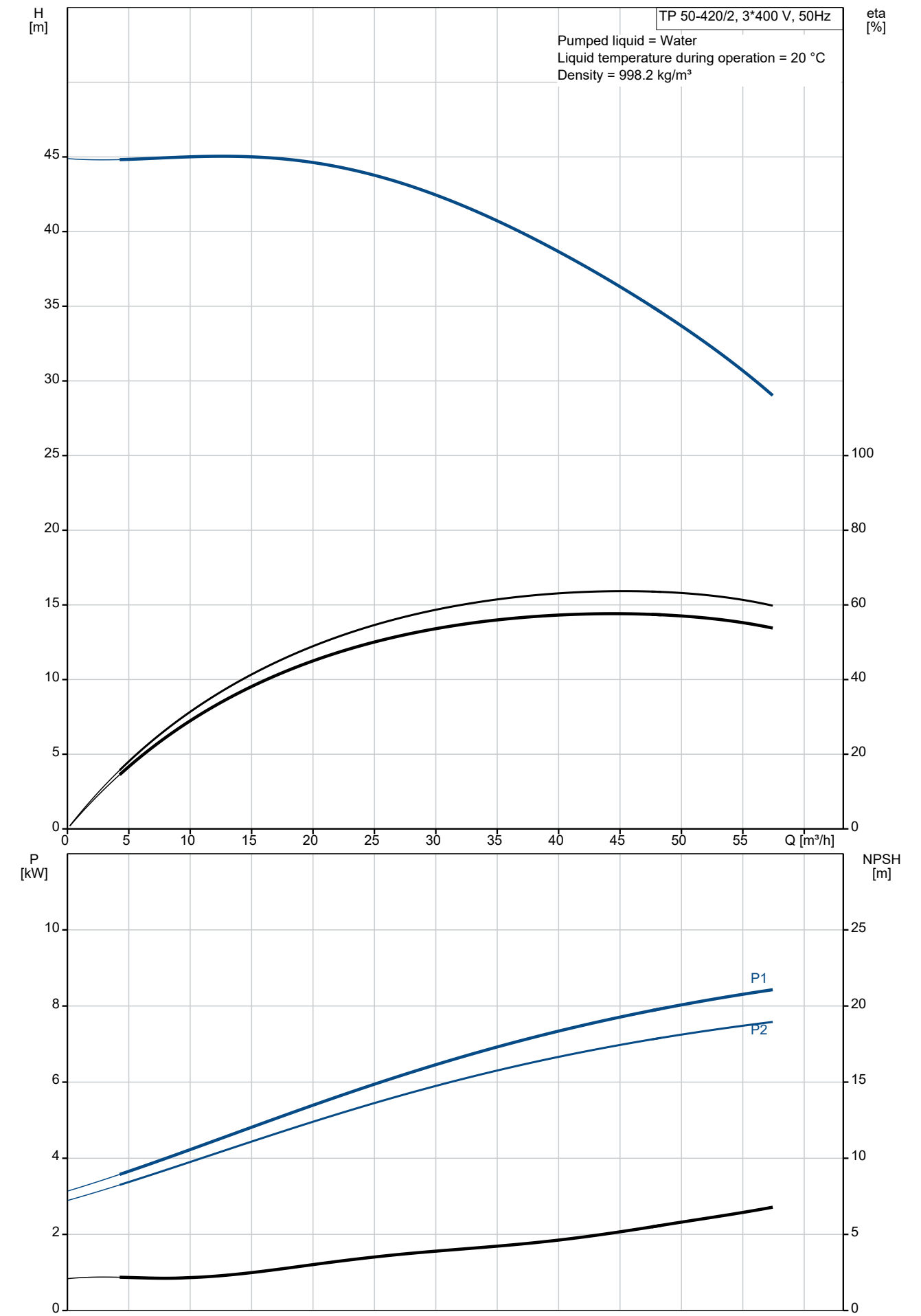
Datasheet



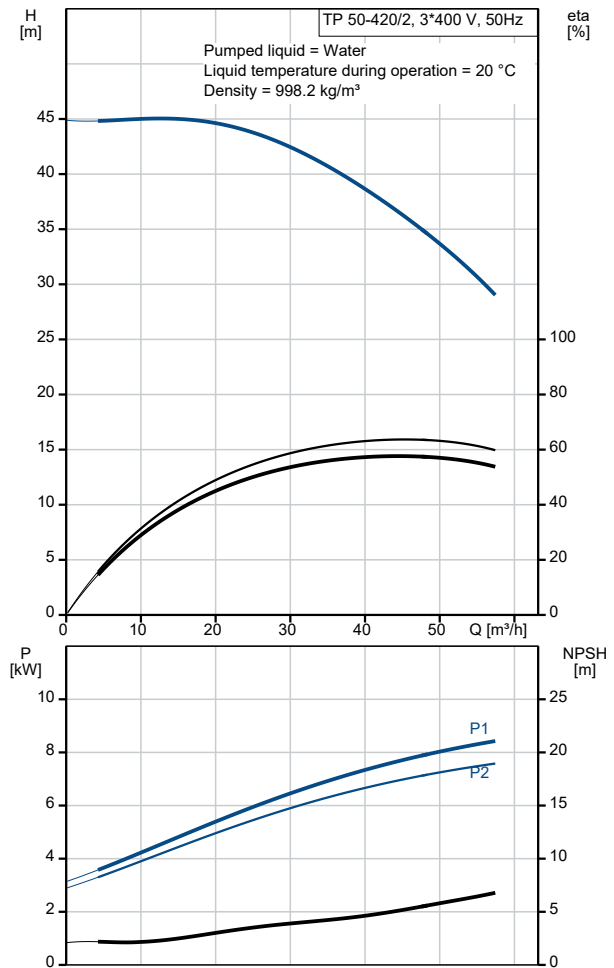
Qty.	Description
1	TP 50-420/2 A-F-A-BQQE-MX1  Note! Product picture may differ from actual product Product No.: 98742870 Single-stage centrifugal volute in-line single-head pump: - wear rings made of bronze - cataphoresis treatment - stable sleeve coupling - top-pull-out principle for easy maintenance - 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: 2910 rpm Rated flow: 44.6 m³/h Rated head: 35.5 m Actual impeller diameter: 187 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B2 Materials: Pump housing: Cast iron EN-GJL-250 ASTM class 35 Impeller: Cast iron EN-GJL-200 ASTM class 30 Installation: Range of ambient temperature: -30 .. 60 °C

Qty.	Description
	Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of connection: DN 50 Pressure rating for connection: PN 16 Port-to-port length: 440 mm Flange size for motor: FF265 Electrical data: Motor type: 132SB IE Efficiency class: IE3 Rated power - P2: 7.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y V Rated current: 14,4-14,0/8,30-8,10 A Starting current: 780-910 % Cos phi - power factor: 0.88-0.86 Rated speed: 2910-2920 rpm Efficiency: IE3 90,1% - IE3 90,4% Motor efficiency at full load: 90.1-90.4 % Motor efficiency at 3/4 load: 90.8 % Motor efficiency at 1/2 load: 90.8 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 87370232 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 107 kg Gross weight: 125 kg Shipping volume: 0.39 m³ Danish VVS No.: 381703420 Finnish LVI No.: 4616060 Country of origin: HU Custom tariff no.: 84137051

98742870 TP 50-420/2 A-F-A-BQQE-MX1 50 Hz

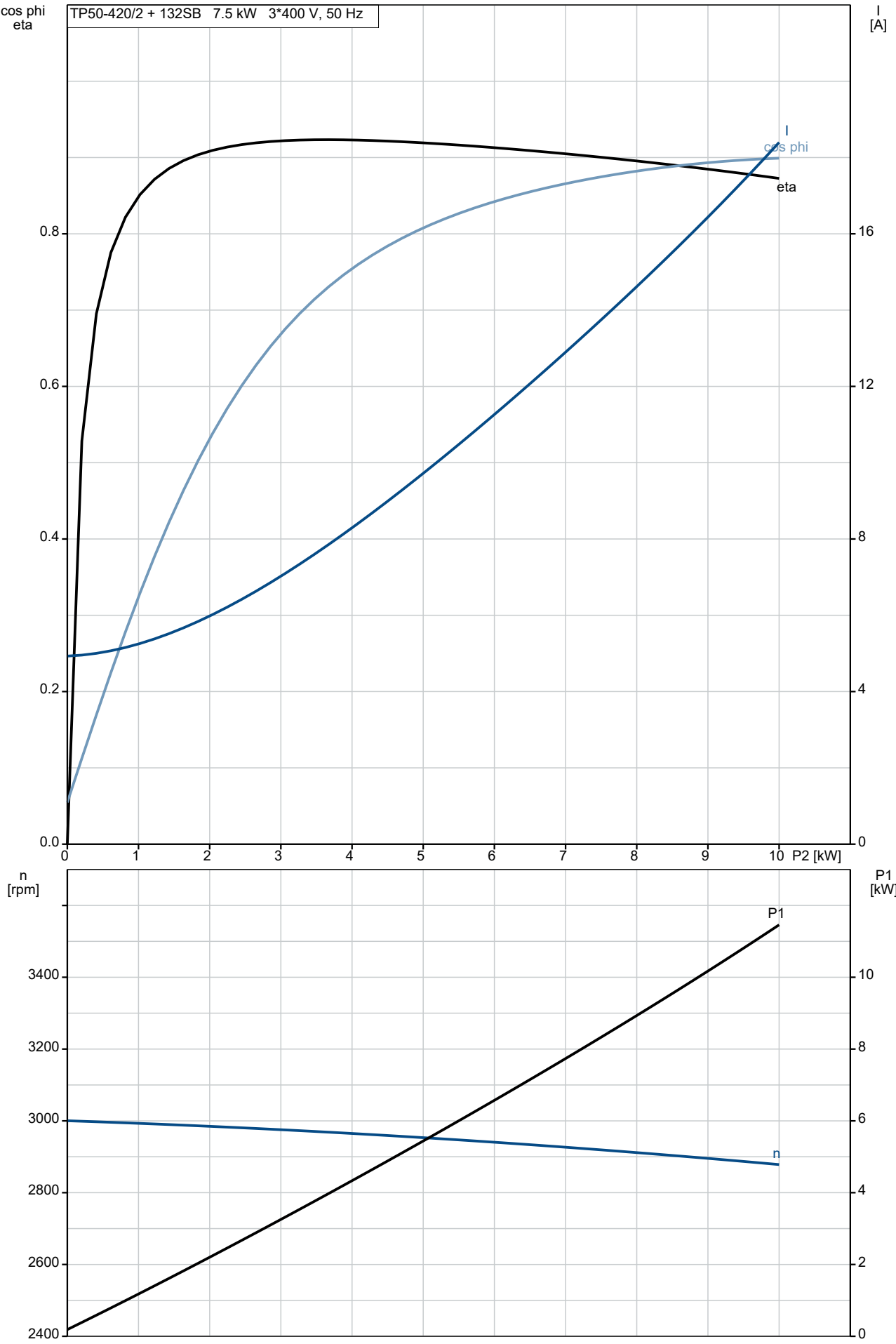


Description	Value
General information:	
Product name:	TP 50-420/2 A-F-A-BQQE-MX1
Product No:	98742870
EAN number:	5712600815810
Technical:	
Pump speed on which pump data are based:	2910 rpm
Rated flow:	44.6 m³/h
Rated head:	35.5 m
Maximum head:	420 dm
Actual impeller diameter:	187 mm
Code for shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B2
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:	-30 .. 60 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 120 °C
Type of connection:	DIN
Size of connection:	DN 50
Pressure rating for connection:	PN 16
Port-to-port length:	440 mm
Flange size for motor:	FF265
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:	132SB
IE Efficiency class:	IE3
Rated power - P2:	7.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D/660-690Y V
Rated current:	14,4-14,0/8,30-8,10 A
Starting current:	780-910 %
Cos phi - power factor:	0.88-0.86
Rated speed:	2910-2920 rpm
Efficiency:	IE3 90,1% - IE3 90,4%
Motor efficiency at full load:	90.1-90.4 %
Motor efficiency at 3/4 load:	90.8 %
Motor efficiency at 1/2 load:	90.8 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	87370232
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	107 kg
Gross weight:	125 kg
Shipping volume:	0.39 m³

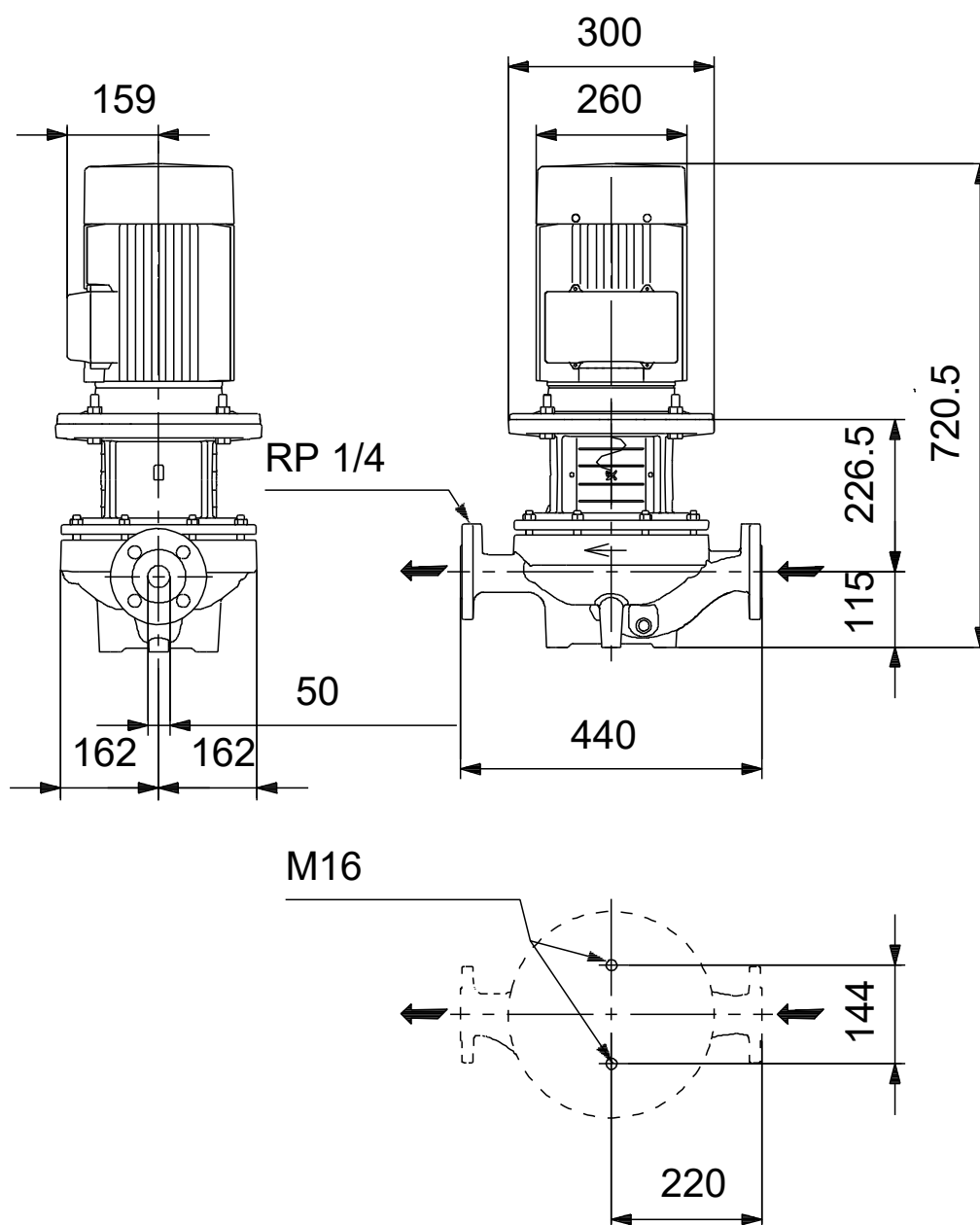


Description	Value
Danish VVS No.:	381703420
Finnish LVI No.:	4616060
Country of origin:	HU
Custom tariff no.:	84137051

98742870 TP 50-420/2 A-F-A-BQQE-MX1 50 Hz



98742870 TP 50-420/2 A-F-A-BQQE-MX1 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 50-420/2, Product No. 98742870
Produced After 1101 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Motor				1	pcs
-	Kit, bearing cpl.			96796600	1	
54	Ball bearing				1	
111	Ball bearing		Designation: 6206.2Z.C3.SYN		1	
157	O-ring		Diameter: 62		1	
			Material type: NBR			
			Thickness: 3			
158	Waved washer				1	
159.b	V-ring				1	
159	V-ring				1	
-	Kit, eyebolt			96279874	1	
189	Lifting eye				1	
-	Kit, fan			96796189	1	
156	Fan				1	
-	Kit, fan cover			96796188	1	
151	Fan cover				1	
152	Pan head thread forming screw				4	
-	Kit, flange			96796224	1	
156.b	Flange				1	
159.b	V-ring				1	
185c	Nut				4	
185	Hex socket head cap screw				4	
186	Drain plug				4	
-	Kit, gaskets			96798510	1	
184	O-ring				2	
-	Kit, key			96279823	1	
40	Parallel key				1	
-	Kit, ND-end shield cpl.			96796598	1	
156.a	End shield NDE				1	
157	O-ring		Diameter: 62		1	
			Material type: NBR			
			Thickness: 3			
158	Waved washer				1	
159	V-ring				1	
185.c	Nut				4	
185.a	Hex socket head cap screw				4	
-	Kit, shaft seal			96843458	1	
159.b	V-ring				1	
159	V-ring				1	
-	Kit, terminal board			96030209	1	
	Bracket cpl.				1	
163	Hex socket head screw				1	
176	Terminal				1	
176	Terminal board				1	
178	Connecting piece				3	
179	Cable shoe				6	
180a	Slot cheese head screw		Designation: COMBI TORX T25		6	
			Length (mm): 10			
			Thread: M5			
180	Wire clamp				6	
-	Kit, terminal box cover			96796215	1	
164	Terminal box cover w/gasket				1	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
166	Pan head thread forming screw				4	
7a	Pan head screw			99266550	4	pcs
18	Plug			96620482	1	pcs
18	Plug			98164277	1	pcs
19	Plug			98163028	2	pcs
36	Nut	Thread: M10		96620484	10	pcs
49	Impeller			99289201	1	pcs
67	Nut	Thread: M14		92526531	1	pcs
72a	O-ring	Diameter: 253,6		92547618	1	pcs
		Material type: EPDM				
		Thickness: 3,53				
72a	O-ring	Diameter: 253,6		92526509	1	pcs
		Material type: EPDM				
		Thickness: 3,53				
72a	O-ring	Diameter: 253,6		97511826	1	pcs
		Material type: EPDM				
		Thickness: 3,53				
72a	O-ring	Diameter: 253,6		97757672	1	pcs
		Material type: EPDM				
		Thickness: 3,53				
105	Shaft seal			99380916	1	pcs
105	Shaft seal			99884645	1	pcs