

Inventflow: Grundfos A-partner

Grundfos TP 40-90/4 A-F-Z-BQQE-CX3

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tp/grundfos-tp-40-90-4-a-f-z-bqqe-cx3>

Contact

info@inventflow.nl

+31 (0) 546 45 80 72

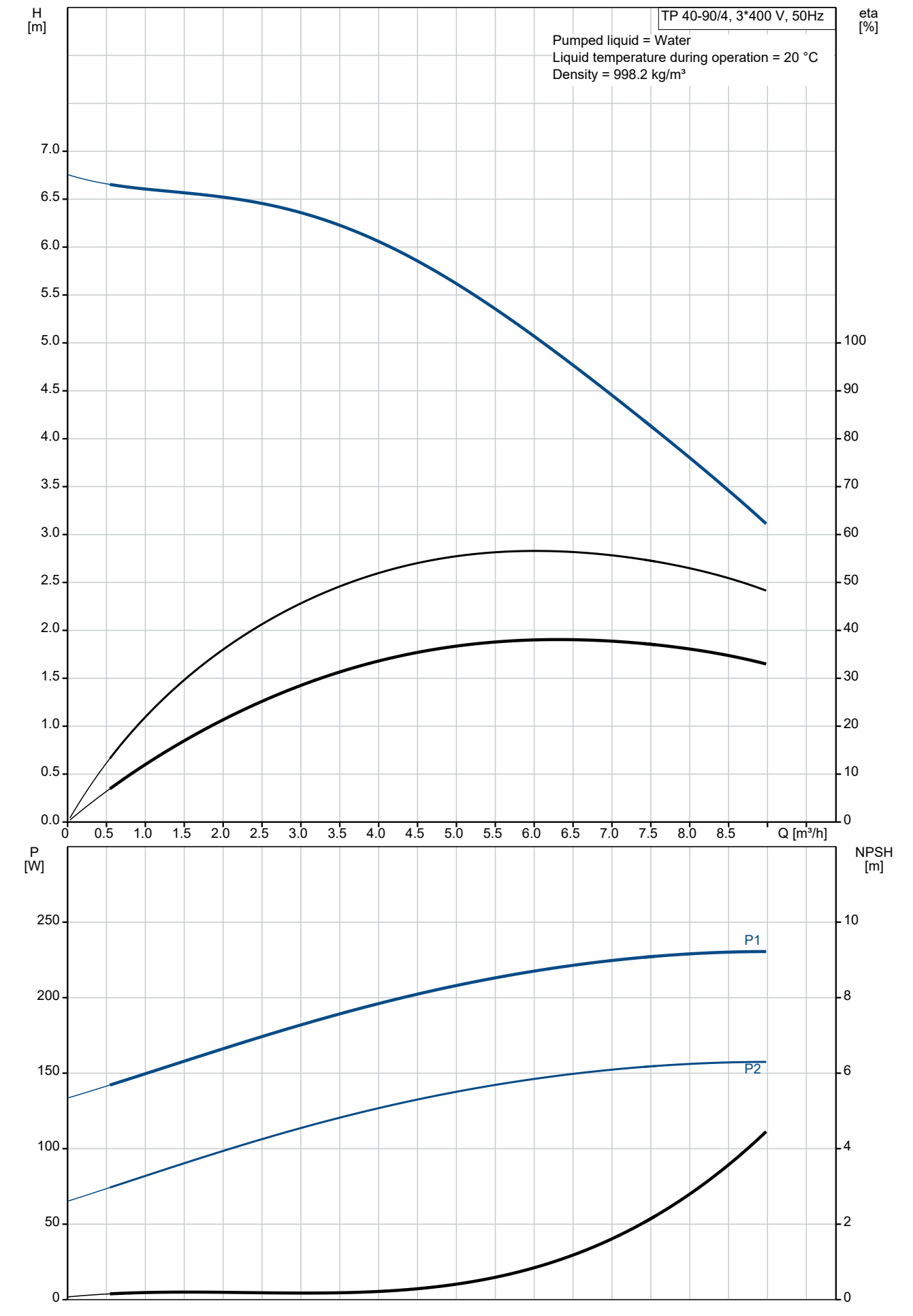
Datasheet



Qty.	Description
1	TP 40-90/4 A-F-Z-BQQE-CX3  Note! Product picture may differ from actual product Product No.: 98505215 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: 1370 rpm Rated flow: 6 m³/h Rated head: 5.1 m Actual impeller diameter: 145 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 .. 40 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of connection: DN 40

Qty.	Description
	Pressure rating for connection: PN 16 Port-to-port length: 320 mm Flange size for motor: FT85 Electrical data: Motor type: 71A IE Efficiency class: IE2 Rated power - P2: 0.25 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-415Y V Rated current: 1,30-1,42/0,75-0,82 A Starting current: 410 % Cos phi - power factor: 0.73-0.64 Rated speed: 1410-1430 rpm Efficiency: IE2 72,4% - IE2 70,0% Motor efficiency at full load: 72.4-70.0 % Motor efficiency at 3/4 load: 72.6 % Motor efficiency at 1/2 load: 68.3 % Number of poles: 4 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 99928151 Others: Minimum efficiency index, MEI $\geq$: 0.70 Net weight: 27.6 kg Gross weight: 31.1 kg Shipping volume: 0.08 m ³ Danish VVS No.: 381892090 Country of origin: HU Custom tariff no.: 84137051

98505215 TP 40-90/4 A-F-Z-BQQE-CX3 50 Hz



Description	Value
General information:	
Product name:	TP 40-90/4 A-F-Z-BQQE-CX3
Product No:	98505215
EAN number:	5711496263019
Technical:	
Pump speed on which pump data are based:	1370 rpm
Rated flow:	6 m³/h
Rated head:	5.1 m
Maximum head:	90 dm
Actual impeller diameter:	145 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 .. 40 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 120 °C
Type of connection:	DIN
Size of connection:	DN 40
Pressure rating for connection:	PN 16
Port-to-port length:	320 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:	IE2
Rated power - P2:	0.25 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415Y V
Rated current:	1,30-1,42/0,75-0,82 A
Starting current:	410 %
Cos phi - power factor:	0.73-0.64
Rated speed:	1410-1430 rpm
Efficiency:	IE2 72,4% - IE2 70,0%
Motor efficiency at full load:	72.4-70.0 %
Motor efficiency at 3/4 load:	72.6 %
Motor efficiency at 1/2 load:	68.3 %
Number of poles:	4
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	99928151
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	27.6 kg
Gross weight:	31.1 kg
Shipping volume:	0.08 m³

TP 40-90/4, 3*400 V, 50Hz

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

H [m]

eta [%]

Q [m³/h]

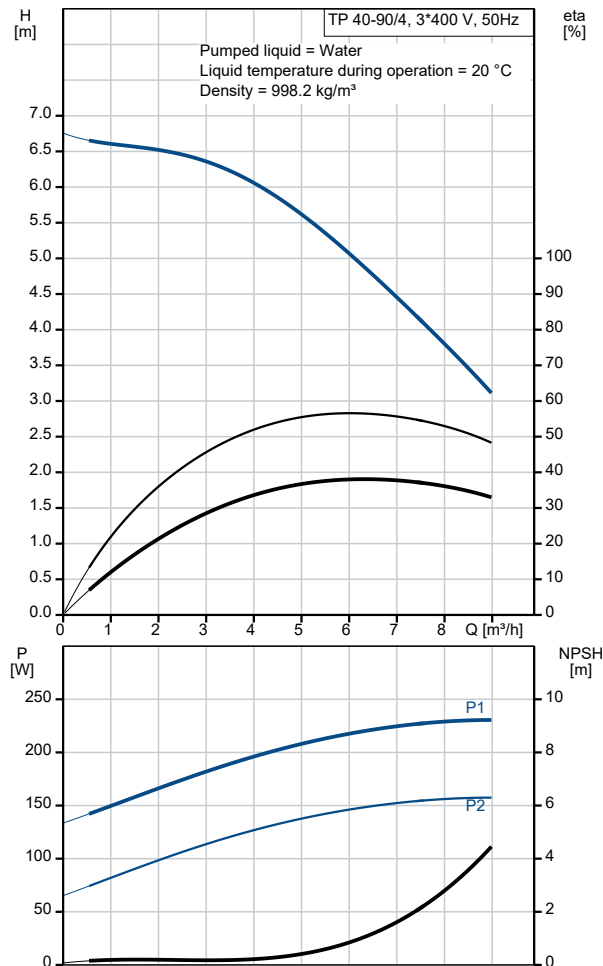
P [W]

NPSH [m]

Q [m³/h]

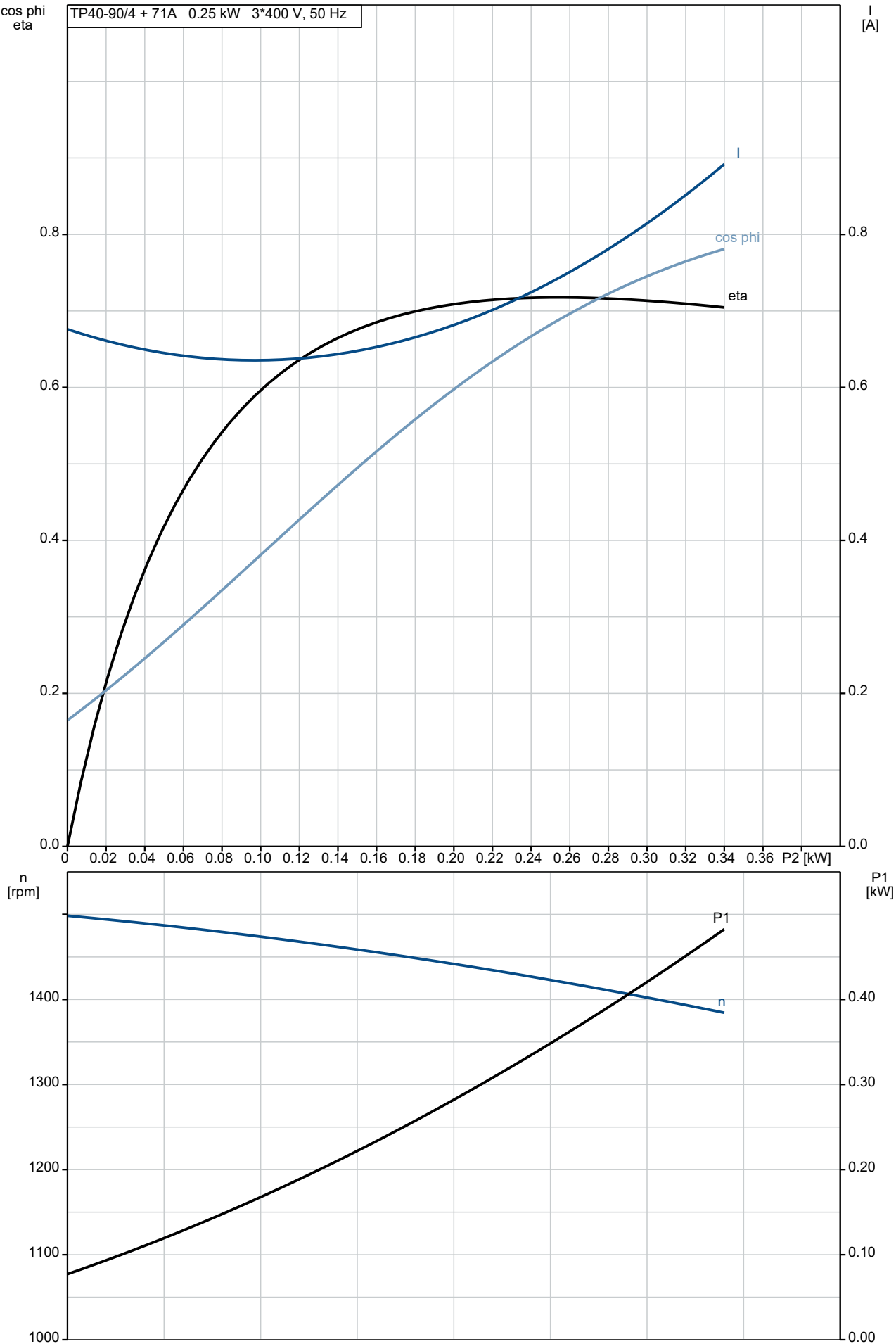
P1

P2

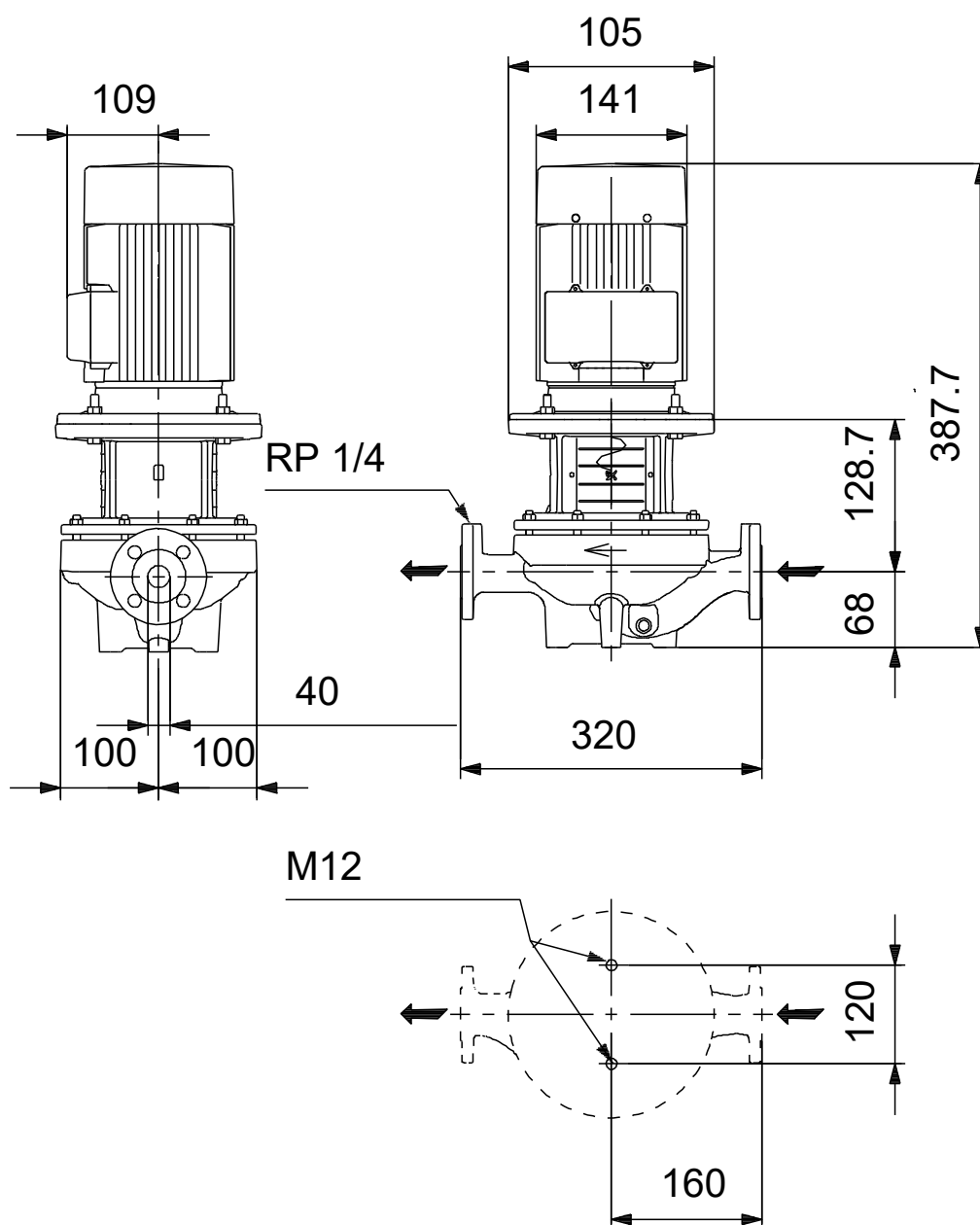


Description	Value
Danish VVS No.:	381892090
Country of origin:	HU
Custom tariff no.:	84137051

98505215 TP 40-90/4 A-F-Z-BQQE-CX3 50 Hz



98505215 TP 40-90/4 A-F-Z-BQQE-CX3 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 40-90/4, Product No. 98505215
Produced After 2105 (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.			98313247	1	pcs
49b	Split cone nut			96547794	1	
49b	Split cone			96547795	1	
51	Pump shaft			96547792	1	
	Motor			92509316	1	pcs
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
-	50 Pump housing cpl.			98313164	1	pcs
-	6 Pump housing			97823486	1	
45	Neck ring			98996813	1	
72a	O-ring		Diameter: 154	98163015	1	pcs
			Material type: EPDM			
			Thickness: 4			