

Inventflow: Grundfos A-partner

Grundfos TP 50-900/2 A-F-A-BQQE-QX1

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tp/grundfos-tp-50-900-2-a-f-a-bqqe-qx1>

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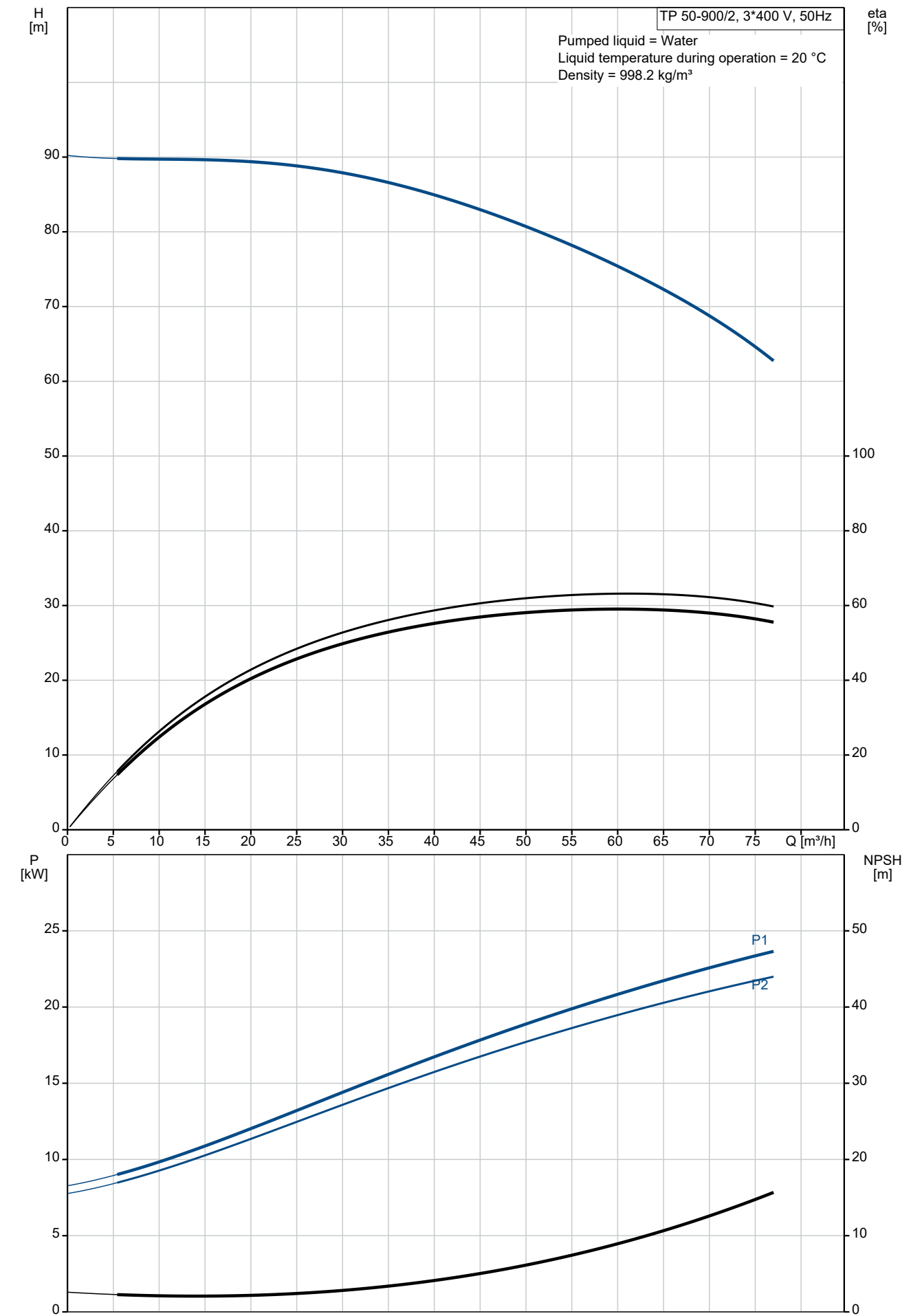
Datasheet



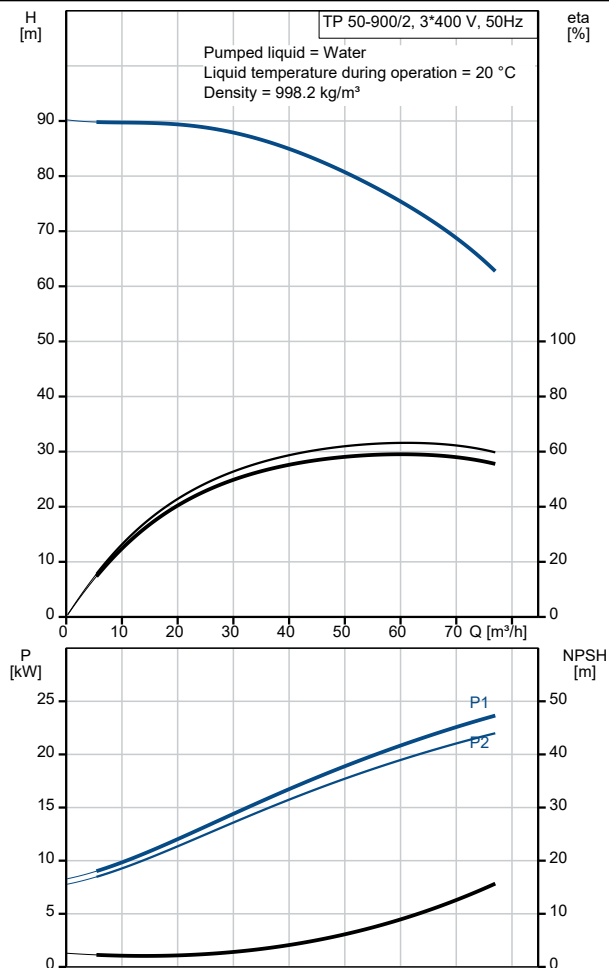
Qty.	Description
1	TP 50-900/2 A-F-A-BQQE-QX1  Note! Product picture may differ from actual product Product No.: 96087203 Single-stage centrifugal volute in-line single-head pump: - wear rings made of bronze - cataphoresis treatment - stable sleeve coupling - top-pull-out principle for easy maintenance - 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: 2945 rpm Rated flow: 61.1 m³/h Rated head: 74.7 m Actual impeller diameter: 255 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 ASTM class 30 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

Qty.	Description
	Size of connection: DN 50 Pressure rating for connection: PN 16 Port-to-port length: 440 mm Flange size for motor: FF300 Electrical data: Motor type: 180MB IE Efficiency class: IE3 Rated power - P2: 22 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y V Rated current: 39.5/22.8 A Starting current: 830 % Cos phi - power factor: 0.90-0.90 Rated speed: 2950 rpm Efficiency: IE3 92,7% Motor efficiency at full load: 92.7 % Motor efficiency at 3/4 load: 93.7 % Motor efficiency at 1/2 load: 94.4 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 87470021 Others: Minimum efficiency index, MEI $\geq$: 0.70 Net weight: 194 kg Gross weight: 231 kg Shipping volume: 0.56 m³ Finnish LVI No.: 4616066 Country of origin: HU Custom tariff no.: 84137051

96087203 TP 50-900/2 A-F-A-BQQE-QX1 50 Hz

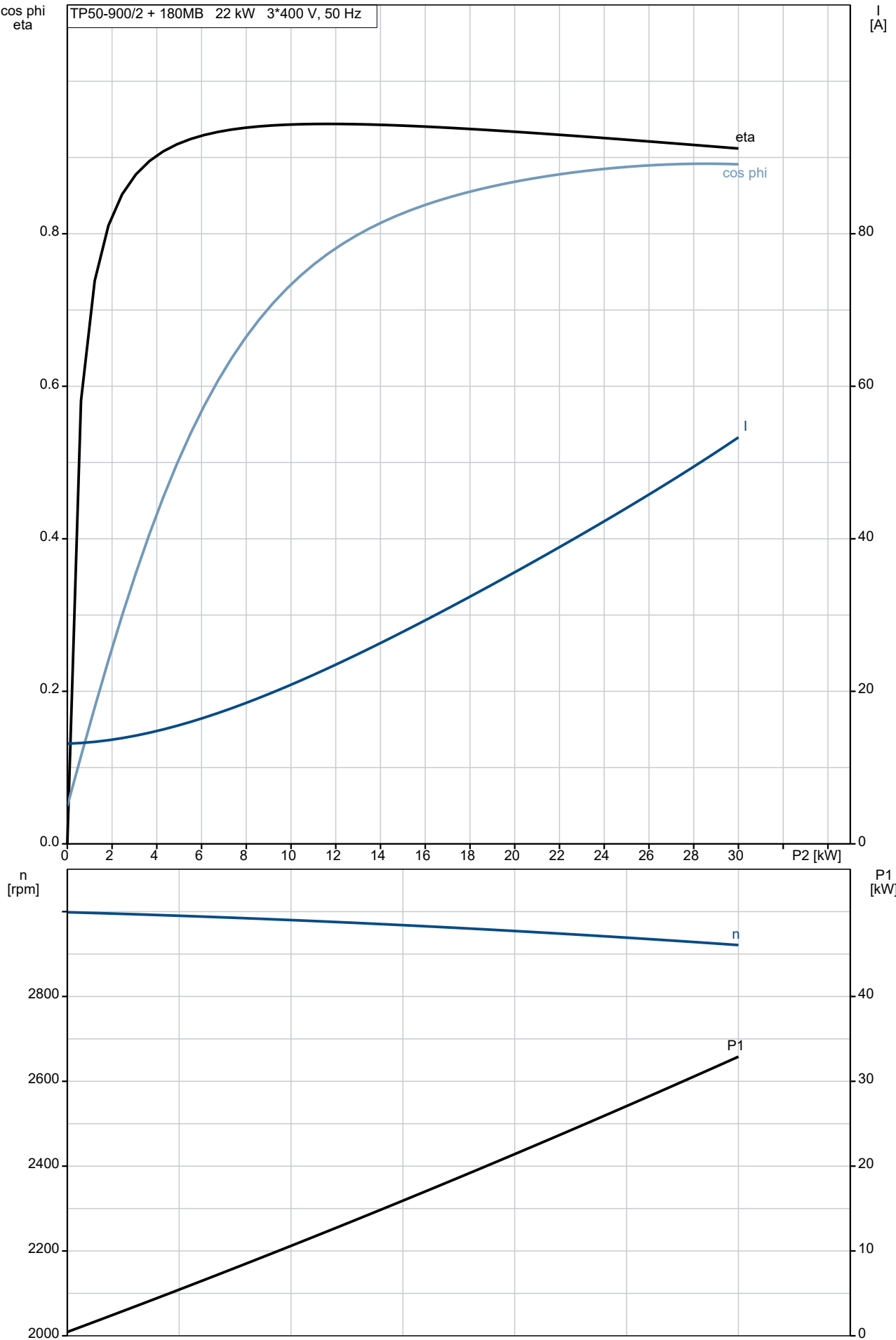


Description	Value
General information:	
Product name:	TP 50-900/2 A-F-A-BQQE-QX1
Product No:	96087203
EAN number:	5700395311693
Technical:	
Pump speed on which pump data are based:	2945 rpm
Rated flow:	61.1 m³/h
Rated head:	74.7 m
Maximum head:	900 dm
Actual impeller diameter:	255 mm
Code for shaft seal:	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:	-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:	FF300
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:	180MB
IE Efficiency class:	IE3
Rated power - P2:	22 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D/660-690Y V
Rated current:	39.5/22.8 A
Starting current:	830 %
Cos phi - power factor:	0.90-0.90
Rated speed:	2950 rpm
Efficiency:	IE3 92,7%
Motor efficiency at full load:	92.7 %
Motor efficiency at 3/4 load:	93.7 %
Motor efficiency at 1/2 load:	94.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	87470021
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	194 kg
Gross weight:	231 kg
Shipping volume:	0.56 m³

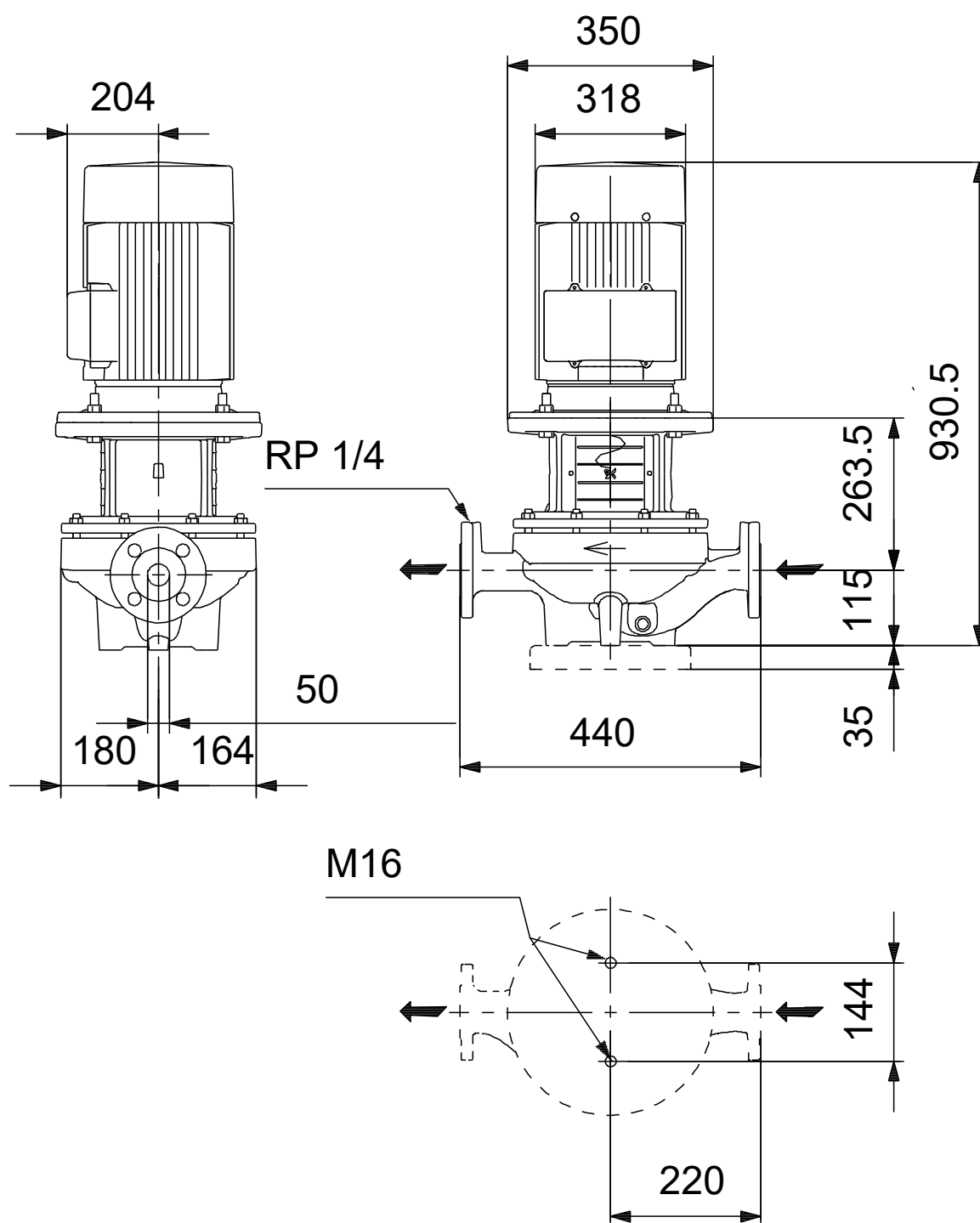


Description	Value
Finnish LVI No.:	4616066
Country of origin:	HU
Custom tariff no.:	84137051

96087203 TP 50-900/2 A-F-A-BQQE-QX1 50 Hz



96087203 TP 50-900/2 A-F-A-BQQE-QX1 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 50-900/2, Product No. 96087203
Produced After 1101 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aanta	Eenhei
	Kit, stub shaft			96039355	1	pcs
9	Socket set screw		Length (mm): 10		2	
			Thread: M8			
11	Parallel key		Dimension: 6X6X35		1	
51	Stub shaft				1	
66a	Spring lock washer				1	
66	Washer				1	
67	Nut		Thread: M14		1	
	Motor				1	pcs
	Kit, bearing cpl.		Designation: 6310.Z.C4-6310.Z.C4	96796811	1	
111	Ball bearing				1	
154	Ball bearing				1	
158	Waved washer				1	
	Kit, bearing plate			96796809	1	
155. a	Cover				1	
208a	Gasket				3	
208	Hex socket head cap screw		Designation: DIN912		3	
			Length (mm): 40			
			Thread: M5			
	Kit, eyebolt			96796712	1	
189	Eyebolt				2	
	Kit, fan			96796652	1	
156. c	Retaining ring				1	
156	Fan				1	
	Kit, fan cover			96796647	1	
151	Fan cover				1	
152. a	Rubber bush				4	
152	Hex head cap screw				4	
196	Diaphragm				1	
	Kit, flange			96796807	1	
156. b	Flange				1	
159. b	Seal ring				1	
185	Hex socket head cap screw				4	
186	Drain plug				4	
195. a	Grease nipple				1	
	Kit, gaskets			96798508	1	
184	O-ring		Diameter: 235		2	
	Kit, key			96796817	1	
171	Parallel key				1	
	Kit, lubrication nipple			96796671	1	
195. b	Grease nipple				2	
195. a	Grease nipple				1	
	Kit, ND-end shield cpl.			96796810	1	
156a	End shield NDE				1	
158	Waved washer				1	
159	V-ring				1	
185. c	Nut				4	
185. a	Hex socket head cap screw				4	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aanta	Eenhei
195. b	Grease nipple				1	
	Kit, shaft seal			96843460	1	
159. b	V-ring				1	
159	V-ring				1	
	Kit, terminal board			96796657	1	
	Terminal connection				3	
	Washer				12	
36	Hex nut				12	
173	Torx Screw				1	
176. d	Terminal board				1	
176	Terminal board				1	
177	Torx Screw				1	
	Kit, terminal box cover			96796659	1	
164	Terminal box cover				1	
273a	Pan head thread forming screw				4	
18	Plug			96620482	1	pcs
18	Plug			98164277	1	pcs
28	Hex head screw	Length (mm): 60 Thread: M16		97506949	2	pcs
28	Hex head screw			96620478	2	pcs
36	Hex nut	Thread: M16		96620480	4	pcs
49	Impeller	Outer diameter: 255		98296683	1	pcs
50	Pump housing cpl.			99048206	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
105	Shaft seal			99380916	1	pcs
105	Shaft seal			99884645	1	pcs