

Inventflow: Grundfos A-partner

Grundfos TP 100-1200/2 A3-F-O-DQQE-2X1

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tp/grundfos-tp-100-1200-2-a3-f-o-dqqe-2x1>

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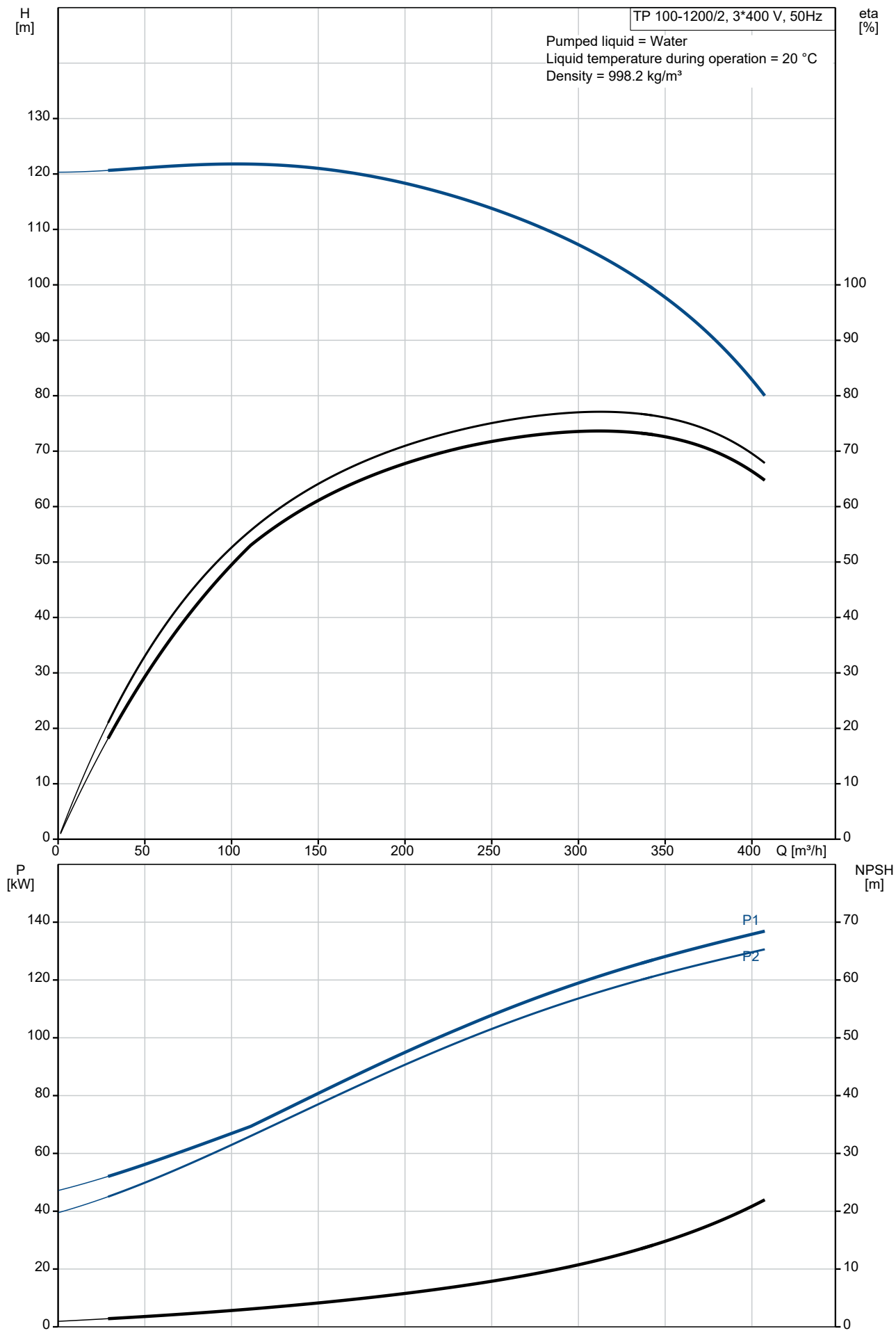
Datasheet



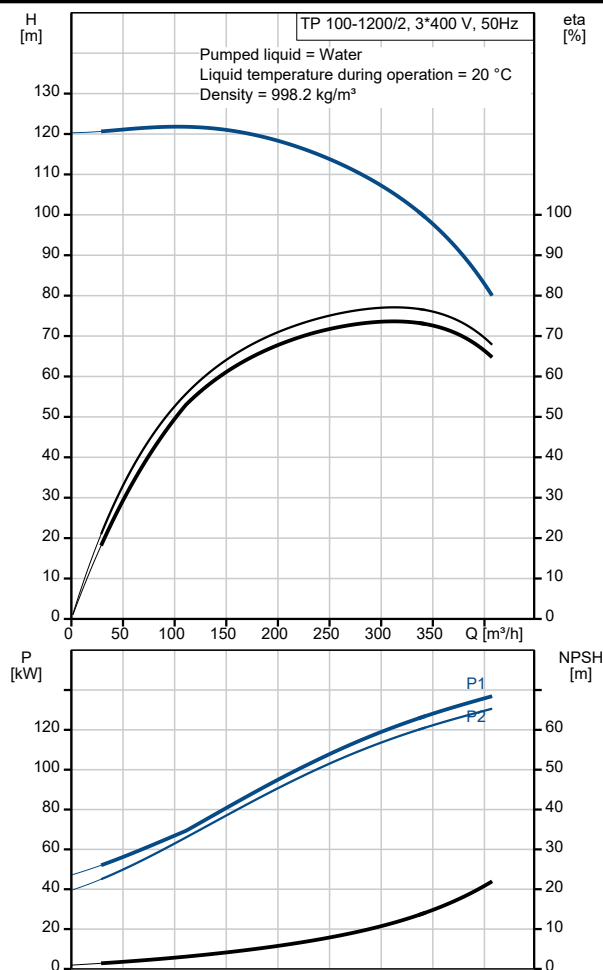
Qty.	Description
1	TP 100-1200/2 A3-F-O-DQQE-2X1  Note! Product picture may differ from actual product Product No.: 99087070 Single-stage centrifugal volute in-line single-head pump: - wear rings made of bronze - cataphoresis treatment - stable sleeve coupling - top-pull-out principle for easy maintenance - 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: -40 .. 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Technical: Pump speed on which pump data are based: 2984 rpm Rated flow: 316.3 m³/h Rated head: 106.6 m Actual impeller diameter: 300 mm Code for shaft seal: DQQE Curve tolerance: ISO9906:2012 3B Materials: Pump housing: DUCTILE IRON EN-GJS-400-18-LT ASTM Grade 60-40-18 Impeller: Cast iron EN-GJL-200 ASTM class 30 Installation: Range of ambient temperature: -20 .. 55 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 120 °C Type of connection: DIN

Qty.	Description
	Size of connection: DN 100 Pressure rating for connection: PN 25 Port-to-port length: 670 mm Flange size for motor: FF600 Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 132 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 230-210/133-121 A Starting current: 720-720 % Cos phi - power factor: 0.91 Rated speed: 2980 rpm Efficiency: IE3 95,4% Motor efficiency at full load: 95.4-95.4 % Motor efficiency at 3/4 load: 95.6-95.6 % Motor efficiency at 1/2 load: 95.2-95.2 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 83U15246 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 1160 kg Gross weight: 1210 kg Shipping volume: 2.13 m ³ Country of origin: HU Custom tariff no.: 84137051

99087070 TP 100-1200/2 A3-F-O-DQQE-2X1 50 Hz

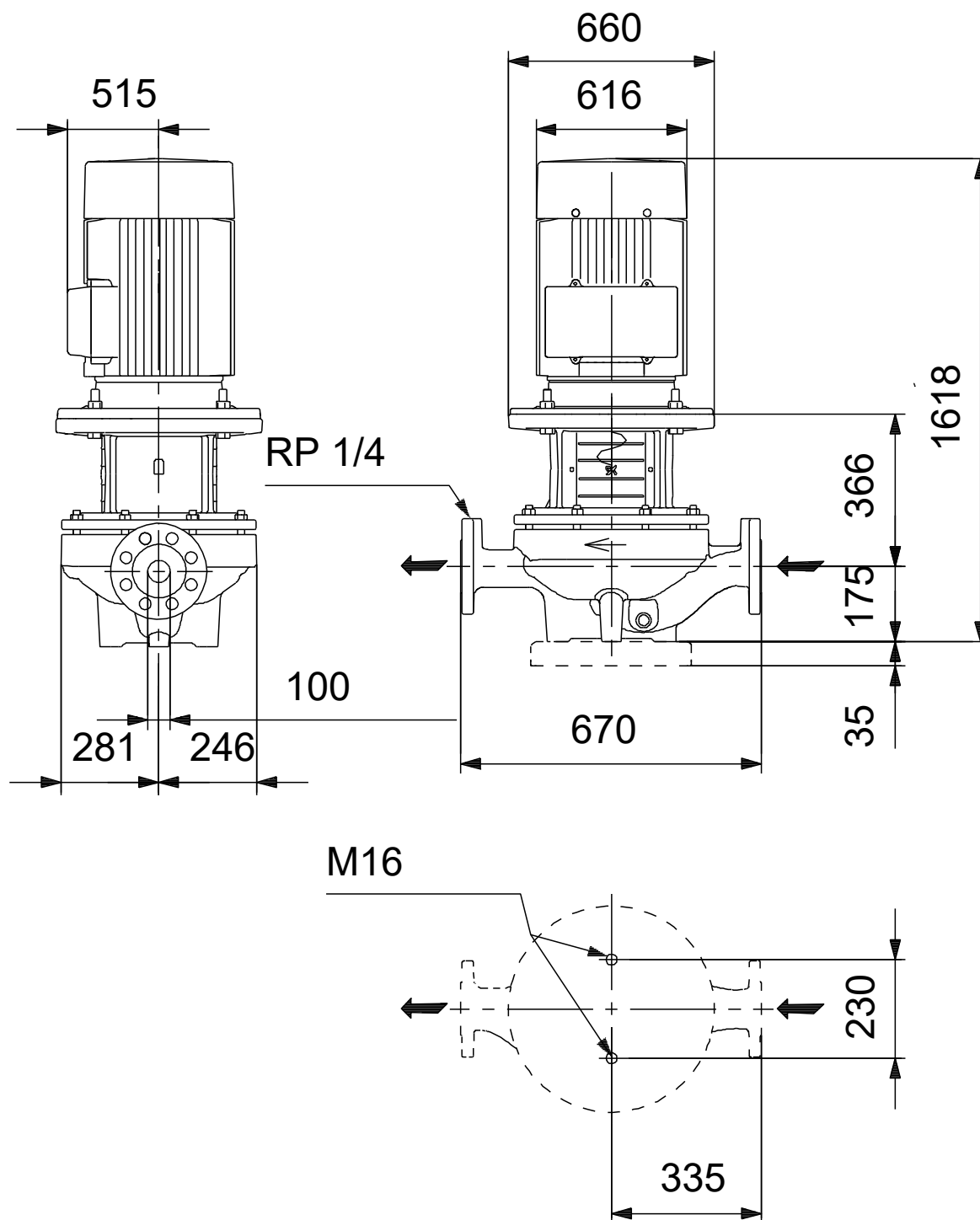


Description	Value
General information:	
Product name:	TP 100-1200/2 A3-F-O-DQQE-2X1
Product No:	99087070
EAN number:	5712606520770
Technical:	
Pump speed on which pump data are based:	2984 rpm
Rated flow:	316.3 m³/h
Rated head:	106.6 m
Maximum head:	1200 dm
Actual impeller diameter:	300 mm
Code for shaft seal:	DQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	A3
Materials:	
Pump housing:	DUCTILE IRON
Pump housing:	EN-GJS-400-18-LT
Pump housing:	ASTM Grade 60-40-18
Impeller:	Cast iron
Impeller:	EN-GJL-200
Impeller:	ASTM class 30
Material code:	O
Installation:	
Range of ambient temperature:	-20 .. 55 °C
Maximum operating pressure:	25 bar
Max pressure at stated temp:	25 bar / 120 °C
Type of connection:	DIN
Size of connection:	DN 100
Pressure rating for connection:	PN 25
Port-to-port length:	670 mm
Flange size for motor:	FF600
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-40 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor type:	SIEMENS
IE Efficiency class:	IE3
Rated power - P2:	132 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	230-210/133-121 A
Starting current:	720-720 %
Cos phi - power factor:	0.91
Rated speed:	2980 rpm
Efficiency:	IE3 95,4%
Motor efficiency at full load:	95.4-95.4 %
Motor efficiency at 3/4 load:	95.6-95.6 %
Motor efficiency at 1/2 load:	95.2-95.2 %
Number of poles:	2
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	83U15246
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	1160 kg
Gross weight:	1210 kg
Shipping volume:	2.13 m³



Description	Value
Country of origin:	HU
Custom tariff no.:	84137051

99087070 TP 100-1200/2 A3-F-O-DQQE-2X1 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 100-1200/2, Product No. 99087070
Produced After 1026 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
- 56	Base plate			96536246	1	pcs
28g	Hex head cap screw	Length (mm): 30 MM			2	
		Thread: M16				
56	Base plate				1	
-	Kit, coupling guard			99102439	1	pcs
7b	Lock washer				2	
7a	Screw				2	
7	Coupling guard				1	
-	Kit, cover			98919496	1	pcs
-	Cover cpl.				1	
	Socket set screw				1	
36	Nut	Thread: M12			10	
77	Cover				1	
-	Kit, motor stool			99102436	1	pcs
-	Motor stool cpl.				1	
1.a	Motor stool				1	
	Washer				4	
28	Hex head screw	Length (mm): 90			4	
		Thread: M 16				
36	Hex nut	Thread: M16			4	
36	Hex nut	Thread: M16			16	
36	Nut	Thread: M12			10	
76a	Rivet				2	
-	Motor				1	pcs
156	Kit, fan			98339870	1	
151	Kit, fan cover			98768548	1	
	Kit, lubrication nipple			98360053	1	
176	Kit, terminal board			98359966	1	
164a	Kit, terminal box			98360006	1	
9	Hex socket head cap screw	Length (mm): 25		97506952	8	pcs
		Thread: M12				
18	Plug			96620482	1	pcs
18	Plug			98164277	1	pcs
19	Plug			98163028	2	pcs
36	Nut	Thread: M12		96620479	10	pcs
- 50	Pump housing cpl.			99102052	1	pcs
36	Nut	Thread: M12		96620479	14	
56	Base plate			99788464	1	pcs
67	Nut	Thread: M25		92526532	1	pcs
72a	O-ring	Diameter: 329,79		92547632	1	pcs
		Material type: EPDM				
		Thickness: 3,53				
72a	O-ring	Diameter: 329,79		92526511	1	pcs
		Material type: EPDM				
		Thickness: 3,53				
72a	O-ring	Diameter: 329,79		97511846	1	pcs
		Material type: EPDM				
		Thickness: 3,53				
72a	O-ring	Diameter: 329,79		97757675	1	pcs
		Material type: EPDM				
		Thickness: 3,53				
105b	Spacer			96938602	1	pcs
105	Shaft seal			92514323	1	pcs
105	Shaft seal			97685509	1	pcs