

Inventflow: Grundfos A-partner

Grundfos TPE 150-260/4 A-F-A-BQQE-PX3

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tpe/grundfos-tpe-150-260-4-a-f-a-bqqe-px3>

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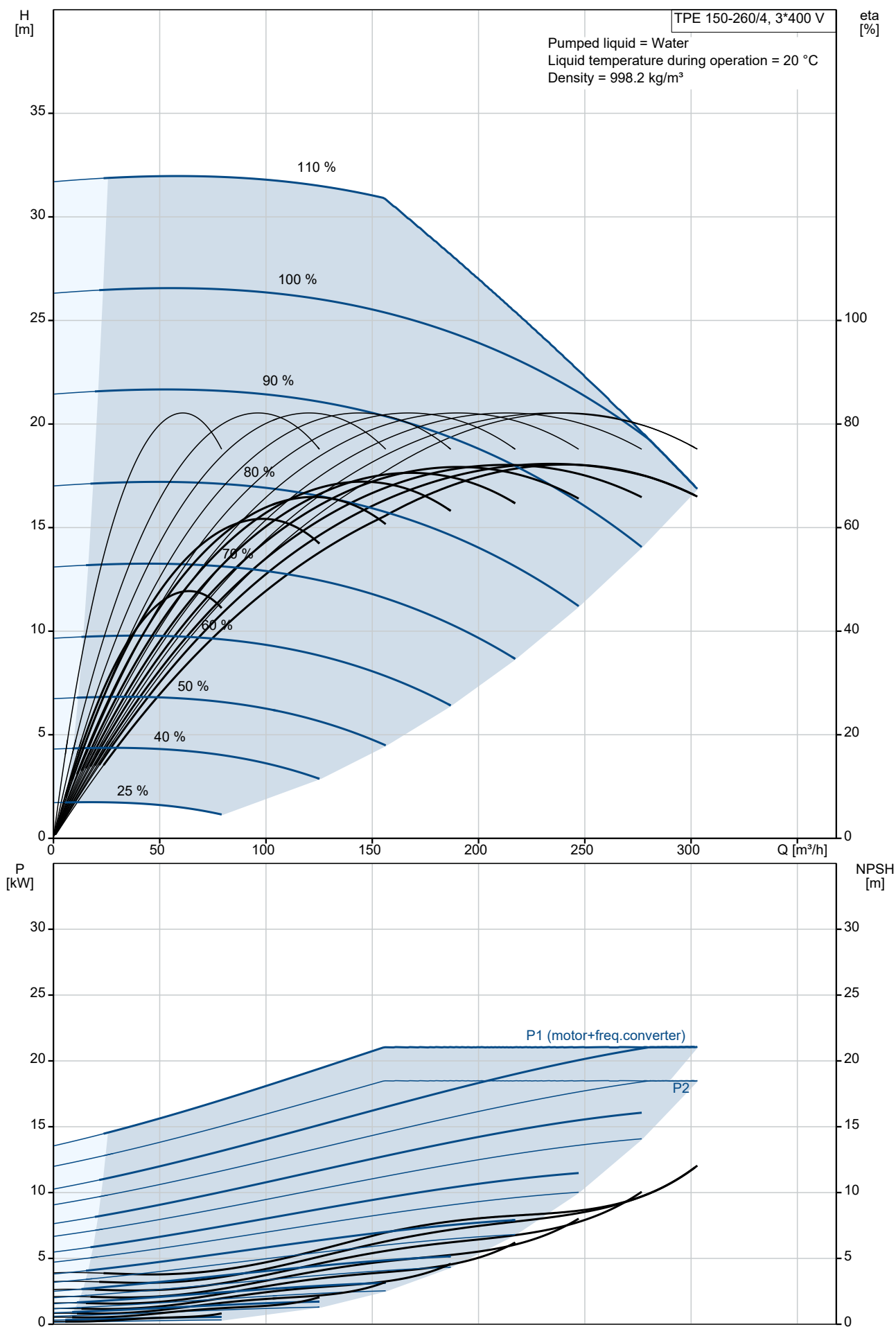
Datasheet



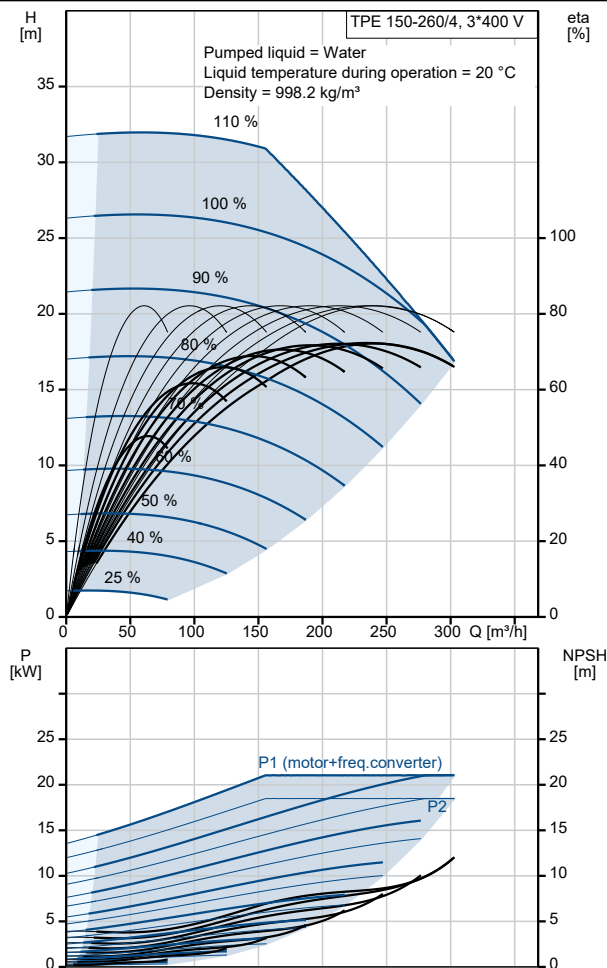
Qty.	Description
1	TPE 150-260/4 A-F-A-BQQE-PX3  Note! Product picture may differ from actual product Product No.: 96306287 Single-stage, centrifugal volute in-line, single-head pump. The in-line design with opposite suction and discharge ports enables mounting in pipework or on a concrete foundation. The shaft seal is a corrosion resistant maintenance-free mechanical seal. The pump is fitted with an IEC-flanged three-phase MGE motor with frequency converter and PI-controller integrated in the motor terminal box. No additional motor protection is required as both motor and electronics are protected by integrated overload and temperature protection. External sensor can be connected if controlled pump operation based on for example flow, differential pressure or temperature is required. A control panel enables setting of required setpoint as well as setting of pump to MIN or MAX operation or to STOP. The control panel has indicator lights for "Operation" and "Fault". Communication with the pump is possible by means of Grundfos R100 Remote Control enabling further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption". The terminal box holds terminals for the connection of: - Pump start/stop (potential-free contact), - external remote setpoint setting via analog signal, 0 - 5 V, 0 - 10 V, 0(4) - 20 mA, - 5 V voltage supply for setpoint potentiometer, I_{max} = 5 mA, - sensor, 0 - 5 V, 0 - 10 V, 0(4) - 20 mA, - 24 V voltage supply for sensor, I_{max} = 40 mA, - input for forced control to MIN or MAX (potential-free contact), - potential-free fault signal relay with changeover contact,

Qty.	Description
	- RS485 GENibus. Controls: Frequency converter: Built-in 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: 1465 rpm Rated flow: 232 m³/h Rated head: 21.5 m Actual impeller diameter: 275 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: -20 .. 40 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of connection: DN 150 Pressure rating for connection: PN 16 Port-to-port length: 800 mm Flange size for motor: FF300 Electrical data: Motor type: 180MA IE Efficiency class: IE2 Rated power - P2: 18.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V Rated current: 37.0-30.0 A Cos phi - power factor: 0.91-0.88 Rated speed: 240-1750 rpm Efficiency: IE2 91,2% Motor efficiency at full load: 91.2 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 86901002 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 384 kg Gross weight: 422 kg Shipping volume: 1.09 m³ Danish VVS No.: 382038260 Country of origin: HU Custom tariff no.: 84137051

96306287 TPE 150-260/4 A-F-A-BQQE-PX3 50 Hz

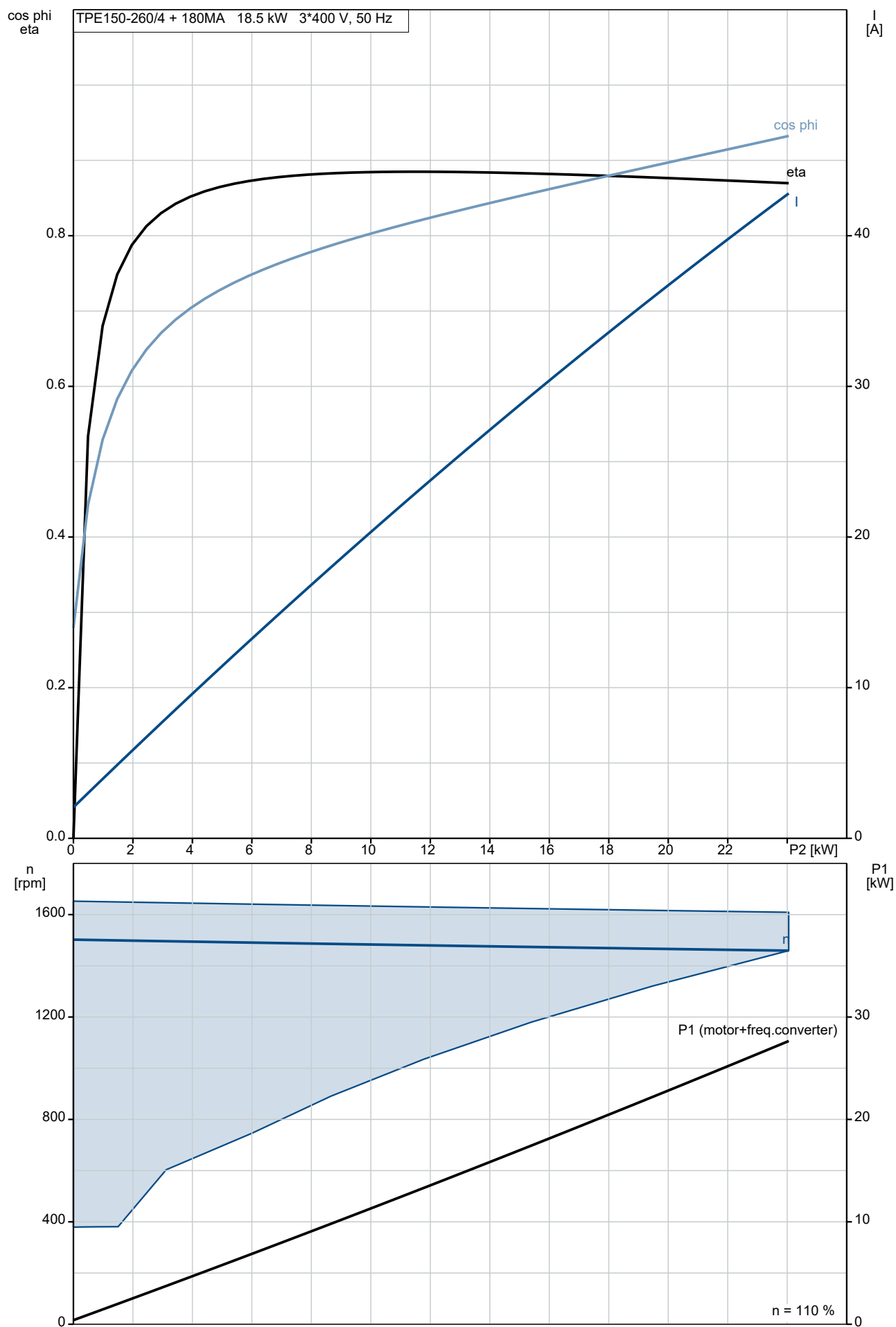


Description	Value
General information:	
Product name:	TPE 150-260/4 A-F-A-BQQE-PX3
Product No:	96306287
EAN number:	5700835127280
Technical:	
Pump speed on which pump data are based:	1465 rpm
Rated flow:	232 m³/h
Rated head:	21.5 m
Maximum head:	260 dm
Actual impeller diameter:	275 mm
Code for shaft 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:	-20 .. 40 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 120 °C
Type of connection:	DIN
Size of connection:	DN 150
Pressure rating for connection:	PN 16
Port-to-port length:	800 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:	180MA
IE Efficiency class:	IE2
Rated power - P2:	18.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-480 V
Rated current:	37.0-30.0 A
Cos phi - power factor:	0.91-0.88
Rated speed:	240-1750 rpm
Efficiency:	IE2 91,2%
Motor efficiency at full load:	91.2 %
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	YES
Motor No:	86901002
Controls:	
Control panel:	Standard
Function Module:	PUMP I/O
Frequency converter:	Built-in
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	384 kg
Gross weight:	422 kg
Shipping volume:	1.09 m³
Config. file no:	95139411

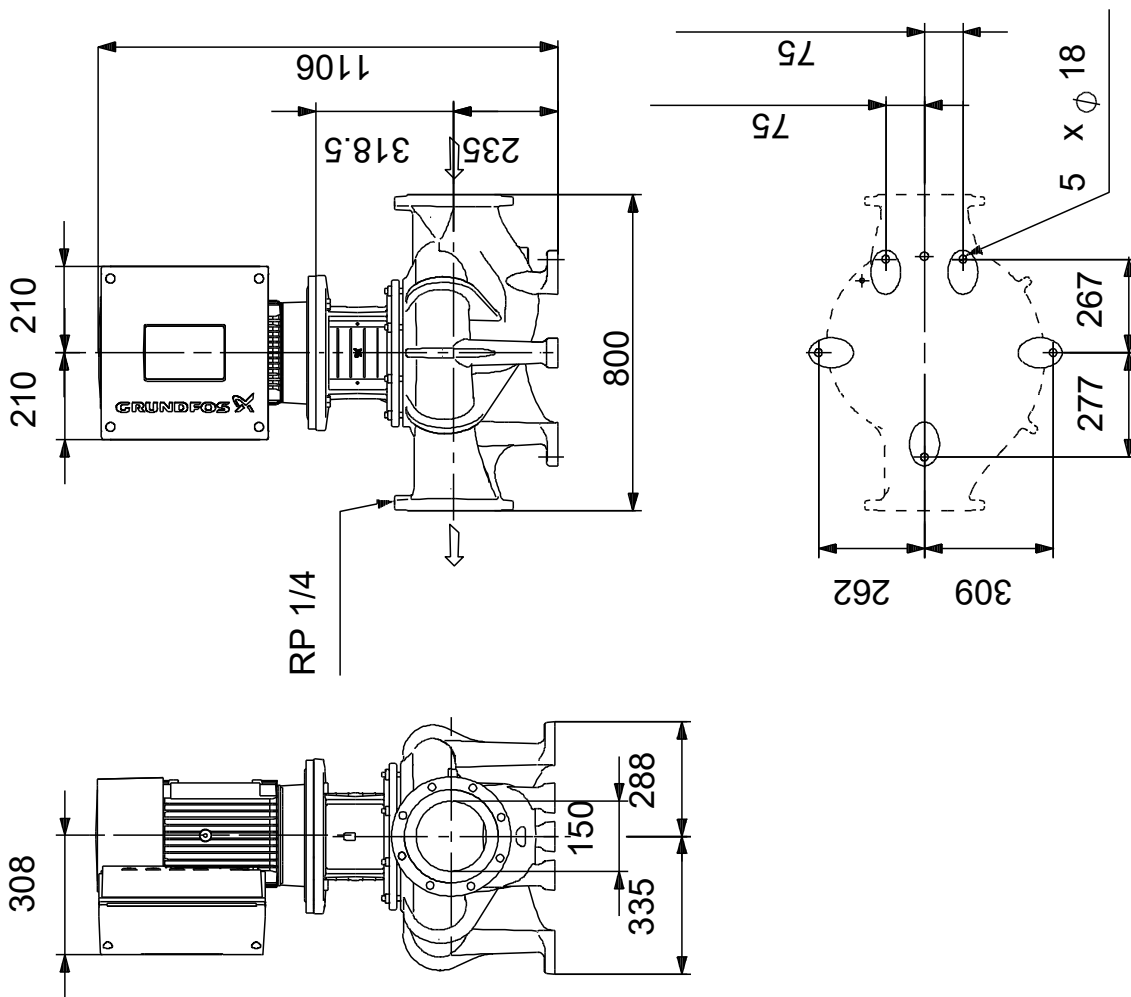


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Danish VVS No.:	382038260
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96306287 TPE 150-260/4 A-F-A-BQQE-PX3 50 Hz



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Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Spare parts TPE 150-260/4, Product No. 96306287
Produced After 0849 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aanta	Eenhei
	Kit, Bushing for motor			96306481	1	pcs
8.a	Bushing				1	
9	Socket set screw		Length (mm): 6		2	
			Thread: M8			
23	Hex socket head cap screw		Designation: DIN912		6	
			Length (mm): 20			
			Thread: M8			
	Kit, pump shaft			96306478	1	pcs
11	Key				1	
23	Hex socket head cap screw		Designation: DIN912		6	
			Length (mm): 20			
			Thread: M8			
51	Pump shaft				1	
66a	Spring lock washer				1	
66	Washer				1	
66	Washer		Internal diameter: 24,25		1	
			Outer diameter: 44			
			Thickness: 4			
67	Nut		Thread: M25		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, connector plugs			96348923	1	
	Connector plug 5-pole				1	
	Connector plug 4-pole				1	
	Connector plug 4-pole				1	
	Connector plug 3-pole				1	
	Connector plug 3-pole				1	
	Connector plug 3-pole				1	
	Connector plug 3-pole				1	
	Connector plug				1	
273	Kit, control board			96348918	1	
	Service kit instruction				1	
	Controlboard				1	
	Kit, eyebolt			96796712	1	
189	Eyebolt				2	
	Kit, fan cover			96830826	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	

Pos	Omschrijving	Opmerking tekst	Classificatie	Gegevens	Onderdeelnr.	Aanta	Eenhei
195. a	Grease nipple						1
	Kit, funct. module - E-pump				96348929	1	
263	MGE large I/O add-on						1
	Kit, funct. module -Geni/RS485				96348932	1	
263	Add-on module, cpl. w/plugs						1
	Kit, gaskets				96798508	1	
184	O-ring		Diameter: 235				2
275	Kit, inverter board				96348920	1	
	Kit, key				96796817	1	
171	Parallel key						1
	Kit, lubrication nipple				96796671	1	
195. b	Grease nipple						2
195. a	Grease nipple						1
	Kit, motor				96844396	1	
	Flex insulation						3
	EMC filter						1
	Cover cpl.						1
	Motor						1
99a	Retaining ring						1
151	Fan cover						1
152. a	Rubber bush						4
152	Hex head cap screw						4
156	Fan						1
177	Torx Screw						1
185. b	Nut						4
196	Diaphragm						1
273a	Pan head thread forming screw						4
	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
195. b	Grease nipple						1
	Kit, opr. panel				96348924	1	
259	Operation panel						1
274	Kit, rectifier board				96348921	1	
	Kit, terminal box				96348914	1	
164	Cover cpl.						1
166	Pan head thread forming screw						5
251	Terminal box						1
277	Blind cover						1
283	Motor cover cpl.						1
284	Cover						1
	Kit, varistor				96348917	1	
279. b	Pan head thread forming screw						2
279	Varistor						1
6	Pump housing				99527960	1	pcs
28	Hex head screw				96620478	4	pcs
36	Nut		Thread: M12		96620479	10	pcs
36	Hex nut		Thread: M16		96620480	4	pcs
49	Impeller		Outer diameter: 275		96930656	1	pcs
67	Nut		Thread: M25		92526532	1	pcs
72a	O-ring		Diameter: 329,79		92547632	1	pcs
			Material type: EPDM				

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aanta	Eenhei
72a	O-ring		Thickness: 3,53 Diameter: 329,79 Material type: EPDM	92526511	1	pcs
72a	O-ring		Thickness: 3,53 Diameter: 329,79 Material type: EPDM	97511846	1	pcs
72a	O-ring		Thickness: 3,53 Diameter: 329,79 Material type: EPDM	97757675	1	pcs
77a	Pan head screw		Thickness: 3,53	99266550	4	pcs
105	Shaft seal			92514334	1	pcs
105	Shaft seal			98434909	1	pcs