## Qty. | Description

## 1 TPE 100-110/4 A-F-A-BQQE-JDA



Note! Product picture may differ from actual product

Product No.: On request

Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out design, i.e. the power head (motor, pump head and impeller) can be removed for

maintenance or service while the pump housing remains in the pipework.

The pump is fitted with an unbalanced rubber bellows seal.

The shaft seal is according to EN 12756. Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2).

The pump is fitted with a fan-cooled, permanent-magnet synchronous motor. The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.

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: 1455 rpm

Rated flow: 85.9 m³/h
Rated head: 8.7 m
Actual impeller diameter: 177 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: -20 .. 50 °C Maximum operating pressure: 16 bar

Max pressure at stated temp: 16 bar / 120 °C

Type of connection: DIN
Size of connection: DN 100
Pressure rating for connection: PN 16
Port-to-port length: 550 mm
Flange size for motor: FF215

Electrical data:

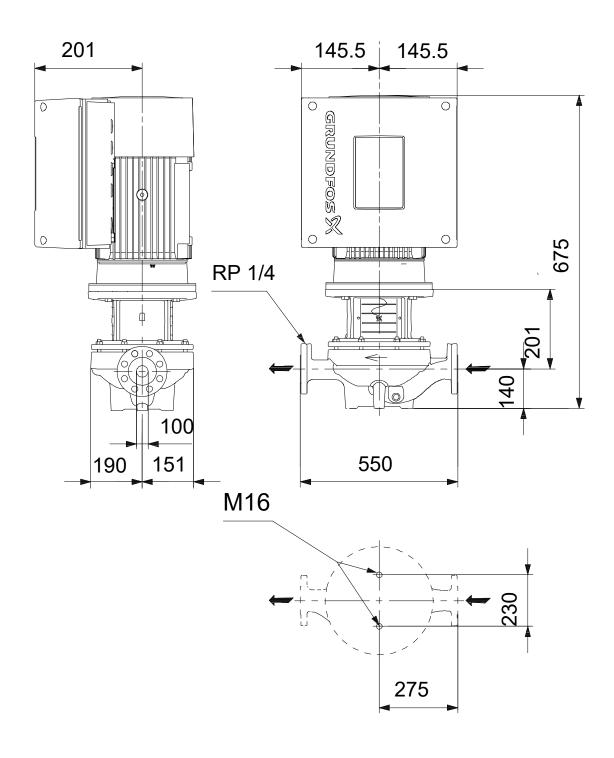
Motor type: 100LD
IE Efficiency class: IE5
Rated power - P2: 3 kW
Mains frequency: 50 Hz
Rated voltage: 3 x 380-500 V
Rated current: 5.80-4.60 A

## Description Cos phi - power factor: 0.91-0.86 Rated speed: 180-2200 rpm Efficiency: 90.1% Motor efficiency at full load: 90.1 % Number of poles: Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971182 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 102 kg Gross weight: 120 kg Shipping volume: 0.39 m<sup>3</sup> Danish VVS No.: 382056110 Finnish LVI No.: 4616492 Norwegian NRF no.: 9043656 Country of origin: HU Custom tariff no.: 84137051

Description	Value	H [m]	TPE 100-110/4, 3*400 V eta [%]
General information:	1 4.40		Pumped liquid = Water Liquid temperature during operation = 20 °C
Product name:	TPE 100-110/4	14 -	Density = 998.2 kg/m <sup>3</sup>
Troduct name.	A-F-A-BQQE-JDA	13 -	110 %
Product No:	On request	12 -	
EAN number:	On request		100 %
Technical:			100 %
Pump speed on which pump data are based:	1455 rpm	10 <b>-</b> 9 <b>-</b>	90 %
Rated flow:	85.9 m³/h		
Rated head:	8.7 m	8 -	
Maximum head:	110 dm	7 -	80 %
Actual impeller diameter:	177 mm	6-	
Code for shaft seal:	BQQE		70 %
Curve tolerance:	ISO9906:2012 3B2	5 -	100
Pump version:	A	4 -	-80
Materials:		3 -	- 50/%/
Pump housing:	Cast iron		40
Pump housing:	EN-GJL-250	2 -	
		1-	-20
Pump housing:	ASTM class 35	0	0
Impeller:	Cast iron	(	0 20 40 60 80 100 Q [m³/h]
Impeller:	EN-GJL-200	P [kW]	NPSH [m]
Impeller:	ASTM class 30	-	
Material code:	Α	3.5 -	P1 (motor+freq.converter)
Installation:		3.0 -	P2 -12
Range of ambient temperature:	-20 50 °C	2.5 -	- 10
Maximum operating pressure:	16 bar	2.0 -	8
Max pressure at stated temp:	16 bar / 120 °C		
Type of connection:	DIN	1.5 -	-6
Size of connection:	DN 100	1.0 -	-4
Pressure rating for connection:	PN 16	0.5 -	-2
Port-to-port length:	550 mm	0.0	
Flange size for motor:	FF215		
Connect code:	F		
Liquid:		201	145.5   145.5
Pumped liquid:	Water		0 0
Liquid temperature range:	-25 120 °C	-       1	
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m³		RP 1/4
Electrical data:		_ =	RP 1/4
Motor type:	100LD		
IE Efficiency class:	IE5	— F	4
Rated power - P2:	3 kW	-	100
Mains frequency:	50 Hz	190	0 151 550 M16
Rated voltage:	3 x 380-500 V		<u> </u>
Rated current:	5.80-4.60 A		
Cos phi - power factor:	0.91-0.86		
			275
Rated speed:	180-2200 rpm		H——H
Efficiency:	90.1%		
Motor efficiency at full load:	90.1 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55	12	
Insulation class (IEC 85):	F	PE	
Built-in motor protection:	ELEC		
Motor No:	98971182		©
Controls:			ONLY OC THE THE TOTAL ON THE
Control panel:	HMI200 - Standard		11 pasoco 9 prosisso 17 prosis
Function Module:	FM300 - Advanced		□ 3 AO □ 1 D MO □ 1 D M
Frequency converter:	Built-in		1 00 21 kulter 20 mm
Others:			20 paio 21 julijes 21 paio 21 paio 23 paio 23 paio 23 paio 24 paio 25 paio 26 paio 27 paio 28
Minimum efficiency index, MEI ≥:	0.70		341V 341V 4 341V 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Net weight:	102 kg		- GOD GOD A
Gross weight:	120 kg		У ( GCNbus v
Shipping volume:	0.39 m <sup>3</sup>		다 -24V 로 -44V 과 45V
			72 GNO
Config. file no:	99100730		

Description	Value
Danish VVS No.:	382056110
Finnish LVI No.:	4616492
Norwegian NRF no.:	9043656
Country of crisis:	9043000 LII
Country of origin:	HU
Custom tariff no.:	84137051

## On request TPE 100-110/4 A-F-A-BQQE-JDA 50 Hz



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

	Order Data:							
Position	Your pos.	Product name	Amount	Product No	Total			
		TPE 100-110/4	1	On request	Price on request			
					requesi			