Qty. | Description

1 TPE 100-110/4 S-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.

The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement.

The pump is fitted with a differential pressure sensor.

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:

Size of connection:

Pressure rating for connection:

Port-to-port length:

Flange size for motor:

DIN

DN 100

PN 16

550 mm

FF215

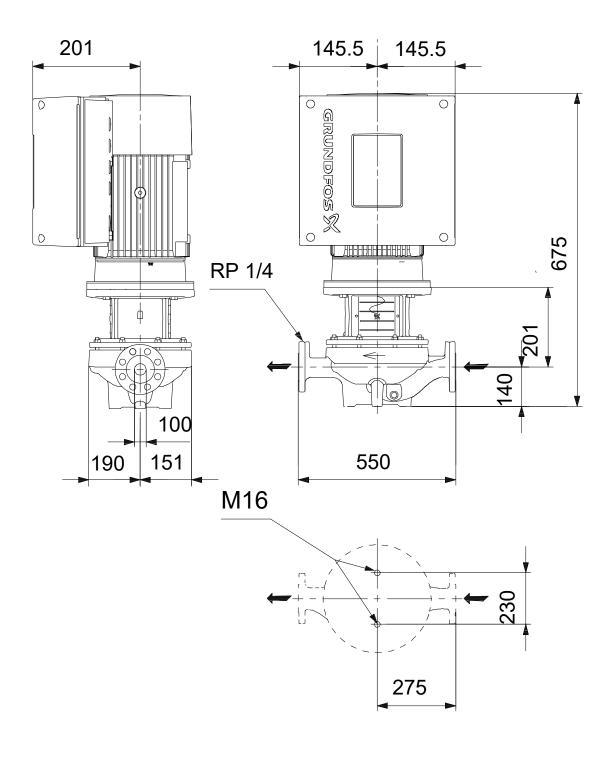
Electrical data:

Motor type: 100LD IE Efficiency class: IE5 Rated power - P2: 3 kW

Qty. Description Mains frequency: 50 Hz 3 x 380-500 V Rated voltage: 5.80-4.60 A Rated current: Cos phi - power factor: 0.91-0.86 180-2200 rpm Rated speed: Efficiency: 90.1% Motor efficiency at full load: 90.1 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971265 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 102 kg Gross weight: 120 kg Shipping volume: 0.39 m³ Danish VVS No.: 381956110 Finnish LVI No.: 4616414 Norwegian NRF no.: 9043635 Country of origin: HU Custom tariff no.: 84137051

Description	Value	H [m]		TPE 100-110/4, 3*400 V	eta [%]
General information:	value			Pumped liquid = Water	[/0]
	TPE 100-110/4	14 -		Liquid temperature during operation = 20 °C Density = 998.2 kg/m³	
Product name:	S-A-F-A-BQQE-JDA	13 -	110 %	Bonoky 888.2 kg/m	
Product No:	On request				
EAN number:	On request	12 -			
Technical:	On request	_ 11 -	100 %		
Pump speed on which pump data are	4455	10 -			
based:	1455 rpm		00.0/		
Rated flow:	85.9 m³/h	9 -	90 %		
Rated head:	8.7 m	8 -			
Maximum head:	110 dm	7 -	80 %		
Actual impeller diameter:	177 mm	6 -	70 %		
Code for shaft seal:	BQQE	5 -			- 100
Curve tolerance:	ISO9906:2012 3B2	4 -	60 %		- 80
Pump version:	A	_			- 60
Materials:		3 -	50/%/		-60
Pump housing:	Cast iron	2 -			-40
Pump housing:	EN-GJL-250	1-			20
Pump housing:	ASTM class 35		//0		
Impeller:	Cast iron	0_	20	40 60 80 100 Q [m³/h]	- 0
Impeller:	EN-GJL-200	P [kW]			NPSH
Impeller:	ASTM class 30	[KW]			[m]
Material code:	Α	3.5 -		P1 (motor+freq.converter)	_ 14
Installation:					- 12
Range of ambient temperature:	-20 50 °C			P2	
Maximum operating pressure:	16 bar	2.5 -			- 10
	16 bar / 120 °C	2.0 -			- 8
Max pressure at stated temp:		1.5 -			-6
Type of connection:	DIN	1.0 -			_4
Size of connection:	DN 100				
Pressure rating for connection:	PN 16	0.5 -			-2
Port-to-port length:	550 mm	0.0 -			Lo
Flange size for motor:	FF215	4			
Connect code:	F				
Liquid:		201	- 4	145.5 145.5	
Pumped liquid:	Water	•	+ 1	0	
Liquid temperature range:	-25 120 °C			era i	
Selected liquid temperature:	20 °C		0		
Density:	998.2 kg/m³		L DD4/4	675	
Electrical data:		- =	RP 1/4		
Motor type:	100LD	- 4		retion of the second second	
IE Efficiency class:	IE5	- 7		9	
Rated power - P2:	3 kW	- [-	100	, †	
Mains frequency:	50 Hz	190	151 M16	550	
	3 x 380-500 V			\ . - .	
Rated voltage:			_ 2		
Rated current:	5.80-4.60 A		<u> </u>		
Cos phi - power factor:	0.91-0.86			275	
Rated speed:	180-2200 rpm				
Efficiency:	90.1%				
Motor efficiency at full load:	90.1 %				
Number of poles:	4				
Enclosure class (IEC 34-5):	IP55	 		Li Li	
Insulation class (IEC 85):	F	- U _		<u></u>	
Built-in motor protection:	ELEC			Ø⊕ ™——	
Motor No:	98971265				
Controls:				22	
Control panel:	HMI300 - Advanced		-48 V: OC DI	13 DAFCC2 151 DAFCC2 150 P10001900	
Function Module:	FM300 - Advanced		Fave Lave (17 Printerioso 12 Ao 3 ON	
Frequency converter:	Built-in			® →	
	Dallt-III			27 Lighte 27 Lighte 27 Lighte	
Othore:			-de V* OC GRO	o Dissoci	
Others:	0.70		431 V 4 431 V 4 4 431 V 5 V 4	2 DH 5 ssv	
Minimum efficiency index, MEI ≥:	0.70			- L - 6 GND	
Minimum efficiency index, MEI ≥: Net weight:	102 kg			A GENERAL A Y GENERAL Y B GENERAL B	
Minimum efficiency index, MEI ≥: Net weight: Gross weight:	102 kg 120 kg				
Minimum efficiency index, MEI ≥: Net weight:	102 kg				

On request TPE 100-110/4 S-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		