Qty. | Description

TPE 100-200/4 S-A-F-A-BQQE-MDA



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: 117 m³/h
Rated head: 16.3 m
Actual impeller diameter: 240 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: 670 mm
Flange size for motor: FF265

Electrical data:

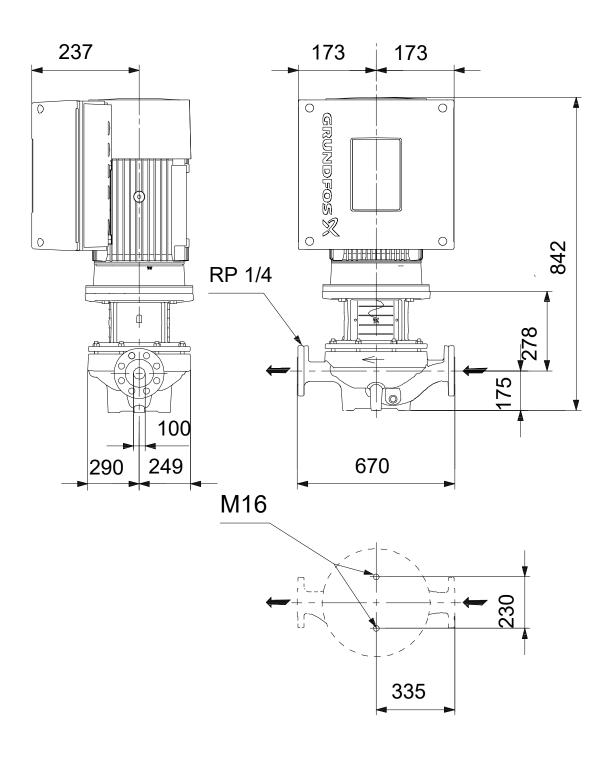
Motor type: 132MH IE Efficiency class: IE5 Rated power - P2: 7.5 kW

Qty. Description Mains frequency: 50 Hz 3 x 380-500 V Rated voltage: 14.1-11.1 A Rated current: 0.93-0.89 Cos phi - power factor: 180-2200 rpm Rated speed: Efficiency: 92.2% Motor efficiency at full load: 92.2 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971268 Others: Minimum efficiency index, MEI ≥: 0.45 Net weight: 199 kg Gross weight: 236 kg Shipping volume: 0.743 m³ Danish VVS No.: 381956200 Finnish LVI No.: 4616421 Country of origin: HU Custom tariff no.: 84137051

Description	Value	H [m]	TPE 100-200/4, 3*400 V	eta [%]
General information:			Pumped liquid = Water Liquid temperature during operation = 20 °C	'
Product name:	TPE 100-200/4 S-A-F-A-BQQE-MDA	24 -	Density = 998.2 kg/m ³ 110 %	
Product No:	On request	22		
EAN number:	On request	20		100
Technical:	On roquoot	20	100 %	
Pump speed on which pump data are based:	1455 rpm	18 -	90 %	- 90 - 80
Rated flow:	117 m³/h		30 //	
Rated head:	16.3 m	14 - //		-70
Maximum head:	200 dm	12 #7		- 60
Actual impeller diameter:	240 mm			l
Code for shaft seal:	BQQE	10 - 1//	/////////////////////////////////////	- 50
Curve tolerance:	ISO9906:2012 3B2	8-	60 %	40
Pump version:	Α		60 %	-30
Materials:		6-1	50 %	- 30
Pump housing:	Cast iron	4 -	40 %	- 20
Pump housing:	EN-GJL-250	2 - 25		_10
Pump housing:	ASTM class 35	2-265	<u>%</u>	Γ'΄
Impeller:	Cast iron	0 0 20	0 40 60 80 100 120 Q [m³/h]	Lo
Impeller:	EN-GJL-200		0 00 00 100 120 Q [III7II]	NPSH
Impeller:	ASTM class 30	P [kW]	D4 (material)	[m]
Material code:	A A	8	P1 (motor+freq.converter)	- 20
Installation:	••		P2	
Range of ambient temperature:	-20 50 °C	6		- 15
Maximum operating pressure:	16 bar			
Max pressure at stated temp:	16 bar / 120 °C	4		- 10
Type of connection:	DIN			
Size of connection:	DN 100			- 5
Pressure rating for connection:	PN 16			Γ
Port-to-port length:	670 mm	0		Lo
Flange size for motor:	FF265			
Connect code:	F			
Liquid:	Г	237	173 173	
Pumped liquid:	Water			
Liquid temperature range:	-25 120 °C			
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³		N	
Electrical data:	556.2 Rg/III		RP 1/4	
Motor type:	132MH			
IE Efficiency class:	IE5			
Rated power - P2:	7.5 kW	100	670	
Mains frequency:	50 Hz	290 249		
Rated voltage:	3 x 380-500 V		1	
Rated current:	14.1-11.1 A		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
Cos phi - power factor:	0.93-0.89		11 N N N N N N N N N N N N N N N N N N	
Rated speed:	180-2200 rpm		335	
Efficiency:	92.2%			
Motor efficiency at full load:	92.2 %			
Number of poles:	4			
Enclosure class (IEC 34-5):	IP55			
Insulation class (IEC 85):	F			
Built-in motor protection:	ELEC	PE		
Motor No:	98971268		NO GT	
Controls:	5557 1200		100 L	
Control panel:	HMI300 - Advanced	-581/- C	II CHIC	
Function Module:	FM300 - Advanced		17 PR0019000	
Frequency converter:	Built-in	-558 A		
Others:	Dalit-III		27 Lights 28 days 27 Lights	
	0.45	-save	660 0 50 DOICCE	
Minimum efficiency index, MEI ≥:	0.45	487	\$\frac{2 \text{VEX.PS}}{2 \text{VEX.PS}} \text{det} \text{det} \text{2} \text{det} \text	
Net weight:	199 kg		A GENEMA A Y GENEMA Y B GENEMA B	
Gross weight:	236 kg		3 GND 75 -44 V 8 -44 V	
Shipping volume: Config. file no:	0.743 m³ 99139893		30 44 V 27 040 34 V 50 V	
	CALL SCINCIN		aa & 	

Description	Value
Danish VVS No.:	381956200
Finnish LVI No.:	4616421
Country of origin:	HU
Custom tariff no.:	84137051

On request TPE 100-200/4 S-A-F-A-BQQE-MDA 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 100-200/4	1	On request	Price or request		
					requesi		