Qty. | Description

1 TPE 100-70/4 A-F-A-BQQE-HDA



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: 1445 rpm

Rated flow: 79.1 m³/h
Rated head: 4.75 m
Actual impeller diameter: 150 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

FF 165

Electrical data:

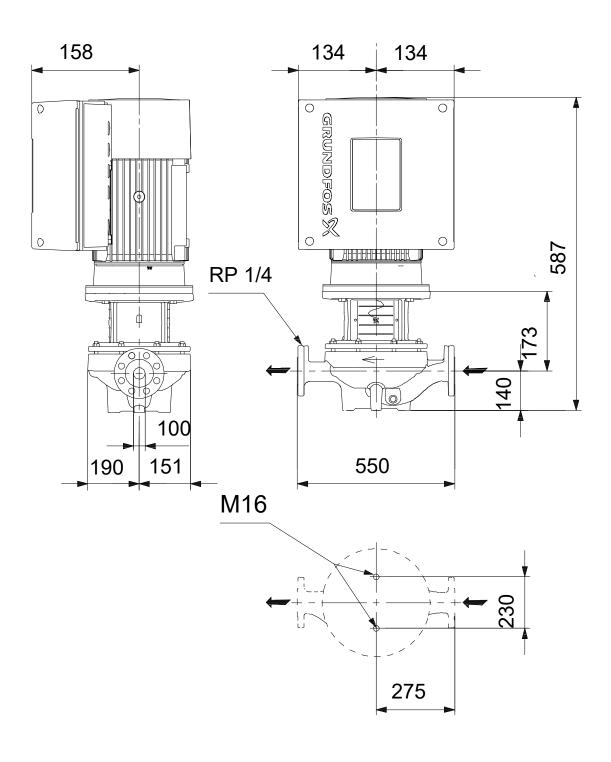
Motor type: 90LE
IE Efficiency class: IE5
Rated power - P2: 1.5 kW
Mains frequency: 50 Hz
Rated voltage: 3 x 380-500 V
Rated current: 2.90-2.50 A

Description Cos phi - power factor: 0.93 Rated speed: 180-2000 rpm Efficiency: 88.0% Motor efficiency at full load: 88.0 % Number of poles: Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971180 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 90 kg Gross weight: 108 kg Shipping volume: 0.39 m^{3} Danish VVS No.: 382056070 Finnish LVI No.: 4616490 Country of origin: HU Custom tariff no.: 84137051

Description	Value	H [m] TPE 100-70/4, 3*400 V eta [%]
General information:	1 4.00	Pumped liquid = Water Liquid temperature during operation = 20 °C
Product name:	TPE 100-70/4 A-F-A-BQQE-HDA	Density = 998.2 kg/m³
Product No:	On request	
EAN number:	On request	8 100 %
Technical:	•	100 76
Pump speed on which pump data are based:	1445 rpm	7 90 %
Rated flow:	79.1 m³/h	6-
Rated head:	4.75 m	20.07
Maximum head:	70 dm	5 80 %
Actual impeller diameter:	150 mm	
Code for shaft seal:	BQQE	4- 700%
Curve tolerance:	ISO9906:2012 3B2	3 60 %
Pump version:	A	00/10/10/10/10/10/10/10/10/10/10/10/10/1
Materials:		2 5
Pump housing:	Cast iron	
Pump housing:	EN-GJL-250	1
Pump housing:	ASTM class 35	76 %
Pump nousing: Impeller:	Cast iron	0 00 00 00 00 00 00 00
	EN-GJL-200	0 20 40 60 80 Q [m³/h]
Impeller:		P [kW] NPSH [m]
Impeller:	ASTM class 30	2.0
Material code:	A	P1 (motor+freq.converter)
Installation:		1.5
Range of ambient temperature:	-20 50 °C	1.3
Maximum operating pressure:	16 bar	
Max pressure at stated temp:	16 bar / 120 °C	1.0
Type of connection:	DIN	
Size of connection:	DN 100	0.5
Pressure rating for connection:	PN 16	
Port-to-port length:	550 mm	0.0
Flange size for motor:	FF165	
Connect code:	F	
Liquid:		158 134 134
Pumped liquid:	Water	
Liquid temperature range:	-25 120 °C	
Selected liquid temperature:	20 °C	
Density:	998.2 kg/m³	RP 1/4
Electrical data:		
Motor type:	90LE	
IE Efficiency class:	IE5	4
Rated power - P2:	1.5 kW	190 151 550
Mains frequency:	50 Hz	M16
Rated voltage:	3 x 380-500 V	
Rated current:	2.90-2.50 A	
Cos phi - power factor:	0.93	
Rated speed:	180-2000 rpm	275
Efficiency:	88.0%	
Motor efficiency at full load:	88.0 %	
Number of poles:	4	
Enclosure class (IEC 34-5):	IP55	"
Insulation class (IEC 85):	F	
Built-in motor protection:	ELEC	
Motor No:	98971180	
Controls:	3007 1 100	
Controls:	HMI200 - Standard	417 00 II 100 II II 100
Function Module:	FM300 - Advanced	19 Prists 2000 17 Prists 2000 17 AO
Frequency converter:	Built-in	1 000 1 000
Others:	DUIII-III	
Otners: Minimum efficiency index, MEI ≥:	0.70	
""" "" I NI PIU PIU POR I I NI PI PI	0.70	2 Day 1
		A GENELIA A
Net weight:	90 kg	Y GENERAL Y B GENERAL B
Net weight: Gross weight:	108 kg	▼ Citaba V
Net weight:	•	T Göthar 2 T Göthar 3 T Got Göthar 4 T Got

Description	Value
Danish VVS No.:	382056070
Finnish LVI No.:	4616490
Country of origin:	HU
Custom tariff no.:	84137051

On request TPE 100-70/4 A-F-A-BQQE-HDA 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 100-70/4	1	On request	Price or request			
					requesi			