Qty. | Description

TPED 100-70/4 S-A-F-A-BQQE-HDA



Note! Product picture may differ from actual product

Product No.: On request

Single-stage, close-coupled, volute twin-head pump with in-line suction and discharge ports of identical diameter. The twin-head pump is designed with two parallel power-heads.

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.

Each power head 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).

Each power head is fitted with a fan-cooled, permanent-magnet synchronous motor of identical size. 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: 1445 rpm

Rated flow: 58 m³/h
Rated head: 5.4 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

550 mm

Flange size for motor:

FF165

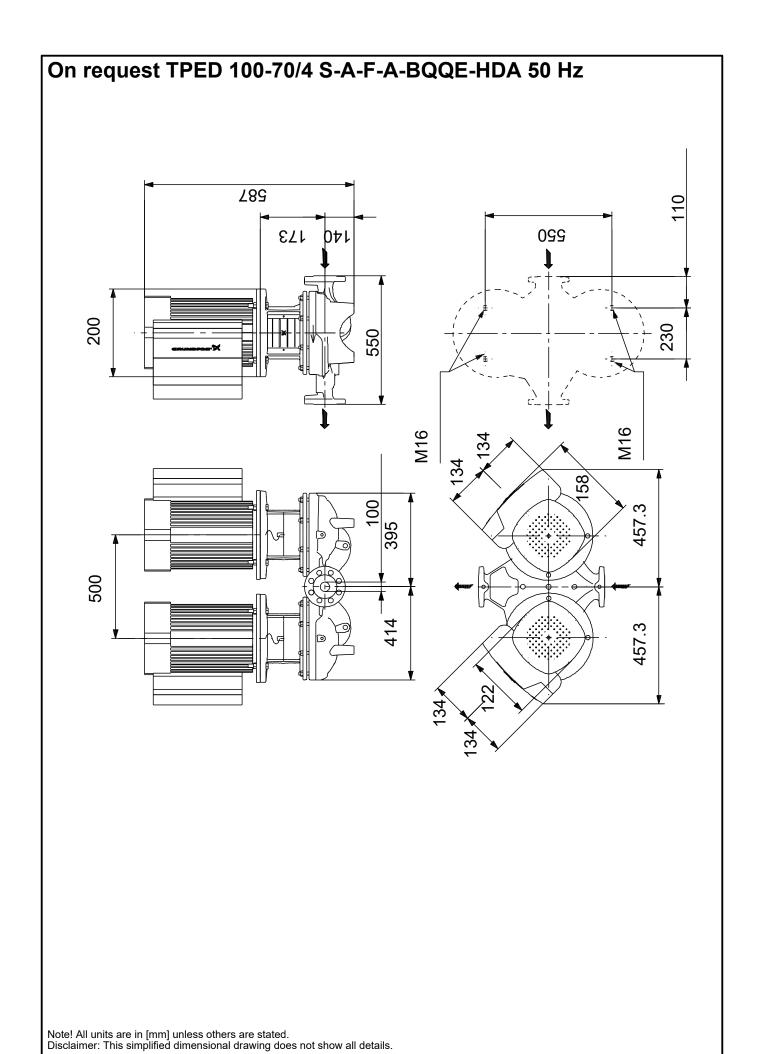
Electrical data:

Motor type: 90LE IE Efficiency class: IE5

Qty. Description Rated power - P2: 1.5 kW 50 Hz Mains frequency: 3 x 380-500 V Rated voltage: Rated current: 2.90-2.50 A Cos phi - power factor: 0.93 Rated speed: 180-2000 rpm 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 Motor No: 98971263 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 179 kg Gross weight: 211 kg Shipping volume: 1.14 m³ Country of origin: HU Custom tariff no.: 84137065

Description	Value	H [m]	TPED 100-70/4, 3*400 V eta [%]
General information:		9-	Pumped liquid = Water Liquid temperature during operation = 20 °C
Product name:	TPED 100-70/4 S-A-F-A-BQQE-HDA	8	110 Density = 998.2 kg/m³
Product No:	On request		
EAN number:	On request	7	100 %
Technical:			
Pump speed on which pump data are based:	e 1445 rpm	6 -	90 %
Rated flow:	58 m³/h		-100
Rated head:	5.4 m	5 -	80 %
Maximum head:	70 dm	4	80
Actual impeller diameter:	150 mm	4	70 %
Code for shaft seal:	BQQE	3 - /	-60
Curve tolerance:	ISO9906:2012 3B2	31//	00
Pump version:	Α	2-	40
Materials:		2 -1 #//	
Pump housing:	Cast iron	1	20
Pump housing:	EN-GJL-250	'1	5.%
Pump housing:	ASTM class 35		0
Impeller:	Cast iron		20 40 60 80 Q [m³/h]
Impeller:	EN-GJL-200	P [kW]	NPSI [m]
Impeller:	ASTM class 30		
Material code:	A	2.0	-8
Installation:			P1 (motor+freq.converter)
Range of ambient temperature:	-20 50 °C	1.5	P2 - 6
Maximum operating pressure:	16 bar		
Max pressure at stated temp:	16 bar / 120 °C	1.0	-4
Type of connection:	DIN		
Size of connection:	DN 100	0.5	-2
Pressure rating for connection:	PN 16		
Port-to-port length:	550 mm	0.0	0
Flange size for motor:	FF165		
Connect code:	F	_	500 200
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	-25 120 °C		
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m³	18	
Electrical data:	<u> </u>		
Motor type:	90LE		100 550
IE Efficiency class:	IE5	41	14 395
Rated power - P2:	1.5 kW	134	M16
Mains frequency:	50 Hz	134	7134
Rated voltage:	3 x 380-500 V		
Rated current:	2.90-2.50 A	— <i>Y</i>	
Cos phi - power factor:	0.93		158
Rated speed:	180-2000 rpm	457.:	.3 457.3 M16
Efficiency:	88.0%	h -	230 110
Motor efficiency at full load:	88.0 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F	12 —	
Built-in motor protection:	ELEC	pe	 Ø⊕
Motor No:	98971263		No.
Controls:	3007 1200		NO
Control panel:	HMI300 - Graphical	-1817	LI CASO
Function Module:	FM300 - Advanced		1
Frequency converter:	Built-in	-ga a	3 000 1 1 100 1 1 00
	טעוורווו		737 July Fac 737 July Fac 73
Others:	0.70	-dirV	- 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Minimum efficiency index, MEI ≥:	0.70	417	\$ \$\dot{\chi} \chi \frac{1}{2} \chi \frac{1}{3} \chi \chi \frac{1}{3} \chi \chi \frac{1}{3} \chi \chi \chi \frac{1}{3} \chi \chi \chi \chi \chi \chi \chi \chi
Net weight:	179 kg		X GONDAN A Y GONDAN Y B GONDAN B
Gross weight:	211 kg		TI JAV
Obline a fee as a see by			
Shipping volume: Config. file no:	1.14 m³ 99139278		3 -5V - 27 (MA) - 28 (MA) - 28 (MA)

Description	Value
Description Country of origin:	HU
Custom tariff no.:	84137065



	Order Data:						
Position	Your pos.	Product name	Amount	Product No	Total		
		TPED 100-70/4	1	On request	Price on request		
					request		
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