## Qty. | Description

## TPED 125-160/4 S-A-F-A-BQQE-MDA



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: 1455 rpm

Rated flow: 133 m³/h
Rated head: 12.8 m
Actual impeller diameter: 211 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 125

PN 16

620 mm

FF265

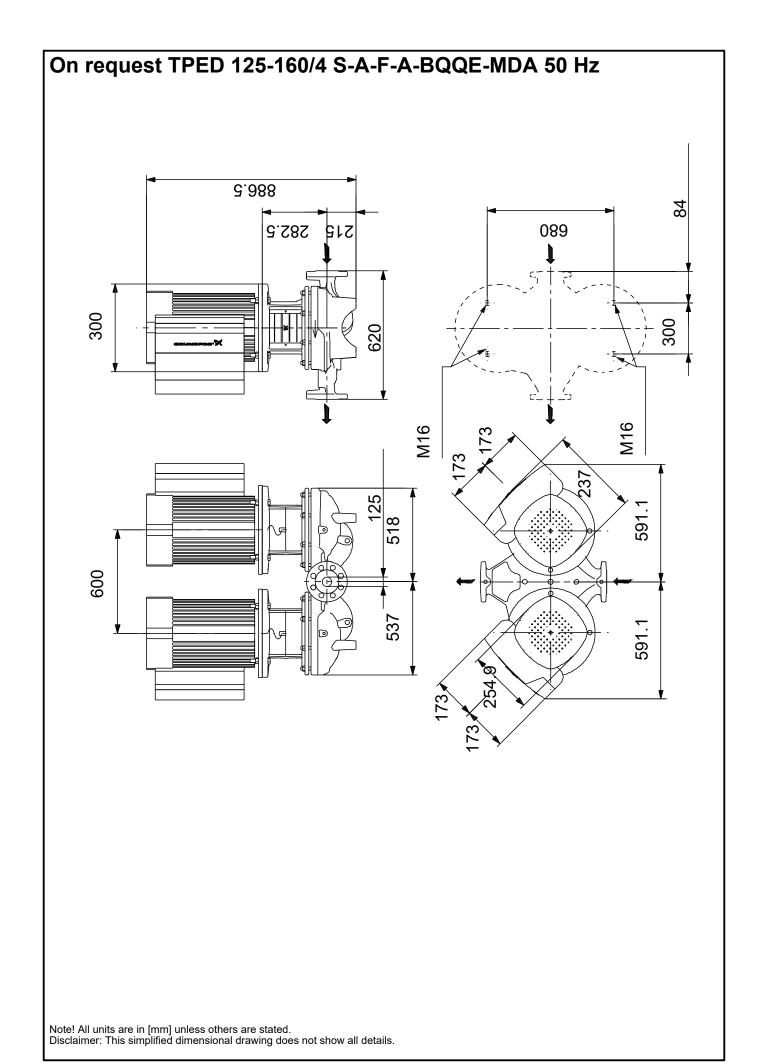
Electrical data:

Motor type: 132MH IE Efficiency class: IE5

## Qty. Description Rated power - P2: 7.5 kW 50 Hz Mains frequency: 3 x 380-500 V Rated voltage: Rated current: 14.1-11.1 A Cos phi - power factor: 0.93-0.89 Rated speed: 180-2200 rpm 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 ≥: 0.46 Net weight: 409 kg Gross weight: 519 kg Shipping volume: 1.53 m<sup>3</sup> Country of origin: HU Custom tariff no.: 84137065

Description	Value	H [m]	TPED 125-160/4, 3*400 V	eta [%]
General information:	Value		Pumped liquid = Water	,
Product name:	TPED 125-160/4 S-A-F-A-BQQE-MDA	18 -	Liquid temperature during operation = 20 °C Density = 998.2 kg/m³	
Product No:	On request	110	%	
EAN number:	On request	16		
Technical:	On request	100 9	0,4	
Pump speed on which pump data are based:	1455 rpm	14 -	70	
Rated flow:	133 m³/h	12 - 90 %		
Rated head:	12.8 m			
Maximum head:	160 dm	10 - 80 %		100
Actual impeller diameter:	211 mm			
Code for shaft seal:	BQQE	8 - 70 %		- 80
Curve tolerance:	ISO9906:2012 3B2			00
		6 - 60 %		<b>-</b> 60
Pump version:	A	4 50/%/		40
Materials:	2	4 - 30/70/		-40
Pump housing:	Cast iron	2 40		20
Pump housing:	EN-GJL-250	- 7		[20
Pump housing:	ASTM class 35	0		$L_{o}$
Impeller:	Cast iron	0 20	0 40 60 80 100 120 140 Q [m³/h]	
Impeller:	EN-GJL-200	P [kW]		NPSH [m]
Impeller:	ASTM class 30		P1 (motor+freq.converter)	
Material code:	A	8 -		-8
Installation:				
Range of ambient temperature:	-20 50 °C	6		-6
Maximum operating pressure:	16 bar			
Max pressure at stated temp:	16 bar / 120 °C	4		-4
Type of connection:	DIN			
Size of connection:	DN 125	2		-2
Pressure rating for connection:	PN 16			
Port-to-port length:	620 mm	0		Lo
Flange size for motor:	FF265			
Connect code:	F	<b>*</b>	200	
Liquid:	•		600	
Pumped liquid:	Water			
Liquid temperature range:	-25 120 °C			
Selected liquid temperature:	20 °C	— Ш <b>і</b>		
Density:	998.2 kg/m³		388888888888888888888888888888888888888	
Electrical data:	990.2 kg/iii			
	132MH		125 620	
Motor type: IE Efficiency class:	IE5	53		
	7.5 kW	173	M16	
Rated power - P2:		173	1773	
Mains frequency:	50 Hz	254.9		
Rated voltage:	3 x 380-500 V		<b>&gt;)</b>  ( <b>*</b> *) <b>&gt;</b>   ←[···· ··] ← <u>\$</u>	
Rated current:	14.1-11.1 A		237	
Cos phi - power factor:	0.93-0.89		M16	
Rated speed:	180-2200 rpm	591.1	1 591.1 300 84	
Efficiency:	92.2%			
Motor efficiency at full load:	92.2 %			
Number of poles:	4		T	
Enclosure class (IEC 34-5):	IP55	11		
Insulation class (IEC 85):	F			
Built-in motor protection:	ELEC		(A)	
Motor No:	98971268		100 100	
Controls:			oc Si Ti ono	
Control panel:	HMI300 - Advanced	+341/2	040C3 10 P1003 1000 10 P1003 1000	
Function Module:	FM300 - Advanced	-36 Jr. 4/361		
Frequency converter:	Built-in		1 00 1 100 1 101 1 101 1 101 1 101	
Others:		*deV*	20 OND 02 UNITED TO THE PROPERTY OF THE PROPER	
Minimum efficiency index, MEI ≥:	0.46	-day-	At at	
Net weight:	409 kg		S ov Colo A GENERA A	
Gross weight:	519 kg		Y GOSHMAN Y B GENERA B 3 RIO	
	_		TS -224 V	
Shinning volume:	1 53 m <sup>3</sup>			
Shipping volume: Config. file no:	1.53 m³ 99115371	old V Coll V	7 dv 7 doc 000 TX	

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



	Order Data:							
Position	Your pos.	Product name	Amount	Product No	Total			
		TPED 125-160/4	1	On request	Price or request			
					request			
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