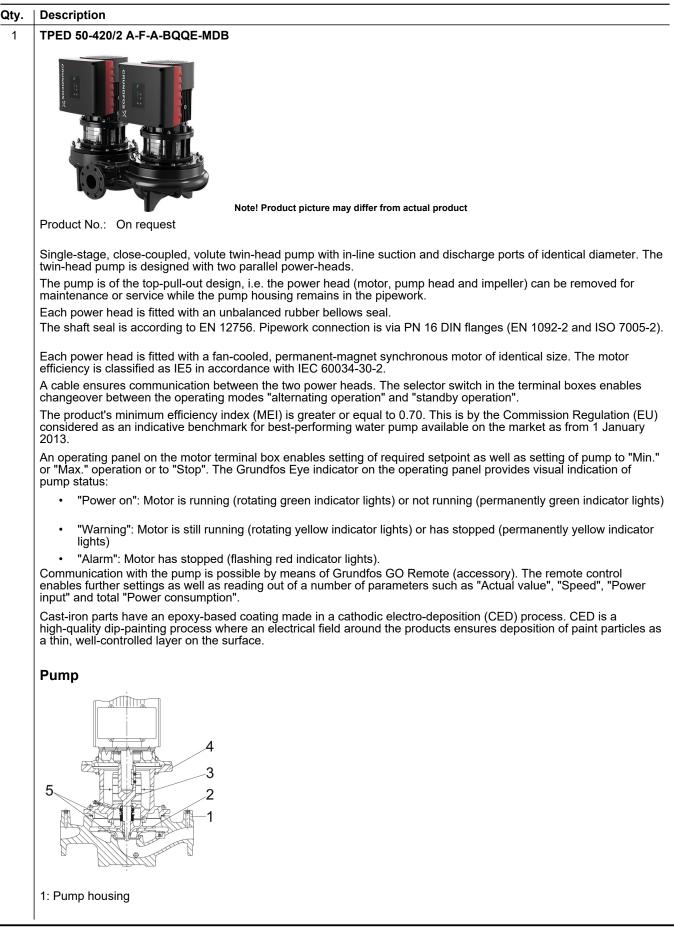


Date:

16/06/2022





Date:		

16/06/2022

Qty. | Description

2: Impeller

3: Stub shaft

4: Pump head/motor stool

5: Wear rings

The twin-head pump is designed with two parallel power-heads. A non-return flap valve in the common discharge port is opened by the flow of the pumped liquid and prevents backflow of liquid into the idle pump head.

The pump housing is provided with a replaceable brass neck ring to reduce the amount of liquid running from the outlet side of the impeller to the inlet side.

The impeller is secured to the shaft with a nut.

The pump is fitted with an unbalanced rubber bellows seal with torque transmission across the spring and around the bellows. Due to the bellows, the seal does not wear the shaft, and the axial movement is not prevented by deposits on the shaft.

Seal faces:

- Rotating seal ring material: silicon carbide (SiC)
- Stationary seat material: silicon carbide (SiC)

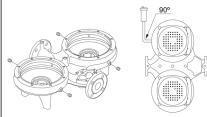
This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.

Secondary seal material: EPDM (ethylene-propylene rubber)

EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.

A circulation of liquid through the duct of the air vent screw ensures lubrication and cooling of the shaft seal.

The pump housing has four Rp 1/8 tappings for mounting of automatic air vents. Fit an air vent to the upper pump housing if the twin-head pump is to be installed in a horizontal pipeline with horizontal pump shaft.



The flanges have tappings for mounting of pressure gauges.

The motor stool forms connection between the pump housing and the motor, and is equipped with a manual air vent screw for venting of the pump housing and the shaft seal chamber. The sealing between motor stool and pump housing is an O-ring.

The central part of the motor stool is provided with guards for protection against the shaft and coupling. The pump shaft is fastened directly on the motor shaft with key and set screws.

Motor

The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.

The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.

The motor requires no external motor protection. The motor control unit incorporates protection against slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.

Further product details

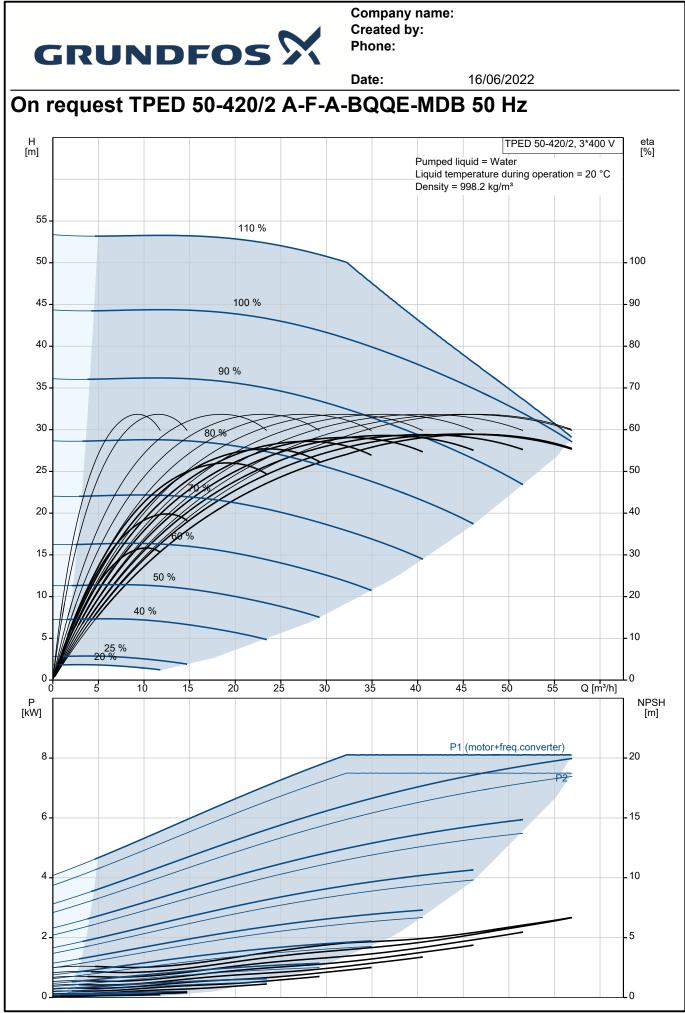
Cast-iron parts have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface.

Technical data

Controls: Frequency converter:	Built-in
Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature:	Water -25 120 °C 20 °C



Description					
Density:	998.2 kg/m³				
Technical:					
Pump speed on which pump data	are based:	2910 rpm			
Rated flow:	36 m³/h				
Rated head:	35.3 m				
	-				
Curve tolerance:		2 3B2			
Matariala					
	Cast iron				
r unp nousing.	-				
		5			
Impollor		5			
Impeller.					
		0			
	ASTM class 3	0			
Installation:					
Range of ambient temperature:	-20 50 °C				
Maximum operating pressure:	16 bar				
Max pressure at stated temp:	16 bar / 120 °	С			
Type of connection:	DIN				
Size of connection:	DN 50				
Pressure rating for connection:	PN 16				
	440 mm				
Flange size for motor:	FF265				
Electrical data:					
	132SE				
		,			
		I			
Motor No:					
	233 kg				
Shipping volume:	1.14 m³				
	HU				
Custom tariff no.:	84137065				
	Density: Technical: Pump speed on which pump data Rated flow: Rated head: Actual impeller diameter: Code for shaft seal: Curve tolerance: Materials: Pump housing: Impeller: Installation: Range of ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Pressure rating for connection: Port-to-port length: Flange size for motor: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: Cos phi - power factor: Rated speed: Efficiency at full load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 34-5): Insulation class (IEC 35): Motor No: Others: Minimum efficiency index, MEI ≥: Net weight: Gross weight: Shipping volume: Country of origin:	Density:998.2 kg/m³Technical:Pump speed on which pump data are based:Rated flow: $36 m^3/h$ Rated head: $35.3 m$ Actual impeller diameter: $187 mm$ Code for shaft seal:BQQECurve tolerance:ISO9906:2012Materials:Pump housing:Pump housing:Cast ironEN-GJL-250Materials:Pump housing:Pump housing:Cast ironEN-GJL-200ASTM class 3Installation:Range of ambient temperature: $2050 °C$ Max pressure at stated temp:Type of connection:DINSize of connection:DN 50Pressure rating for connection:PN 16Port-to-port length:440 mmFlange size for motor:FE265Electrical data:IE5Rated power - P2: $7.5 kW$ Mains frequency: $50 Hz$ Rated voltage: $3 \times 380-500 V$ Rated voltage: $3 \times 380-500 V$ Rated current: $14.1-11.2 A$ Cos phi - power factor: $0.93-0.89$ Rated speed: $360-4000 rpm$ Efficiency: 92.5% Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor Mo:98971080Others:Minimum efficiency index, MEI ≥: 0.70 Net weight: $203 kg$ Shipping volume: $1.14 m^3$ Country of origin:HU	Density: 998.2 kg/m³ Technical: Pump speed on which pump data are based: 2910 rpm Rated flow: 36 m³/h Rated flow: 36 m3/h Rated head: 35.3 m Actual impeller diameter: 187 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B2 Materials: Pump housing: Pump housing: Cast iron EN-GJL-200 ASTM class 35 Impeller: Cast iron Range of ambient temperature: -2050 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar Yape of connection: DIN Size of connection: DN 50 Pressure rating for connection: PN 16 Port-to-port length: 440 mm Flange size for motor: FF265 Electrical data: Motor type: 132SF IE Efficiency class: IE5 Rated outrage: 3 x 380-500 V Rated speed: 360-4000 rpm Efficiency: 92.5% Motor fifciency at full load:	Density:998.2 kg/m³Technical:Pump speed on which pump data are based:2910 rpmRated flow:36 m³/hRated flow:36 m³/hRated head:35.3 mActual impeller diameter:187 mmCode for shaft seal:BQQECurve tolerance:ISO9906:2012 3B2Materials:Pump housing:Pump housing:Cast ironEN-GJL-250ASTM class 35Impeller:Cast ironEN-GJL-200ASTM class 30Installation:Range of ambient temperature:Maximum operating pressure:Maximum operating pressure:Maximum operating pressure:16 barMaximum operating for connection:DINSize of connection:DINSize of connection:DINPort-to-port length:440 mmFlange size for motor:Flage size for motor:Flage size for motor:Flage size for motor:Flage size for motor:Stated current:14.1-11.2 ACos phi - power factor:0.30.89Rated speed:360-4000 rpmEfficiency class (IEC 34-5):IP55Insultion class (IEC 34-5):FMotor No:98971080Others:Minimum efficiency index, MEI ≥:0.70Net weight:202 kgGross weight:233 kgShipping volume:1.14 m³Coou	Density:998.2 kg/m³Technical:Pump speed on which pump data are based:2910 rpmRated flow:36 m²/hRated flow:35.3 mActual impeller diameter:187 mmCode for shaft seal:BQQECurve tolerance:ISO9906:2012 3B2Materials:Pump housing:Cast ironEN-GJL-250ASTM class 35Impeller:Cast ironEN-GJL-200ASTM class 30ASTM class 30Installation:Range of ambient temperature:Range of ambient temperature:-2050 °CMax pressure at stated temp:16 bar / 120 °CType of connection:DINSize of connection:DN 50Pressure rating for connection:PN 16Port-to-port length:440 mmFlange size for motor:FF265Electrical data:Motor type:Mains frequency:50 HzRated orgen:1.32SFElefficiency class:IE5Rated orgen:92.5%Motor type:2.5 %Number of poles:2Zenclosure class (IEC 34-5):IP55Insulation class (IEC 35):FMotor No:98971080Others:0.70Net weight:233 kgShipping volume:1.14 m³Coounty of origin:HU



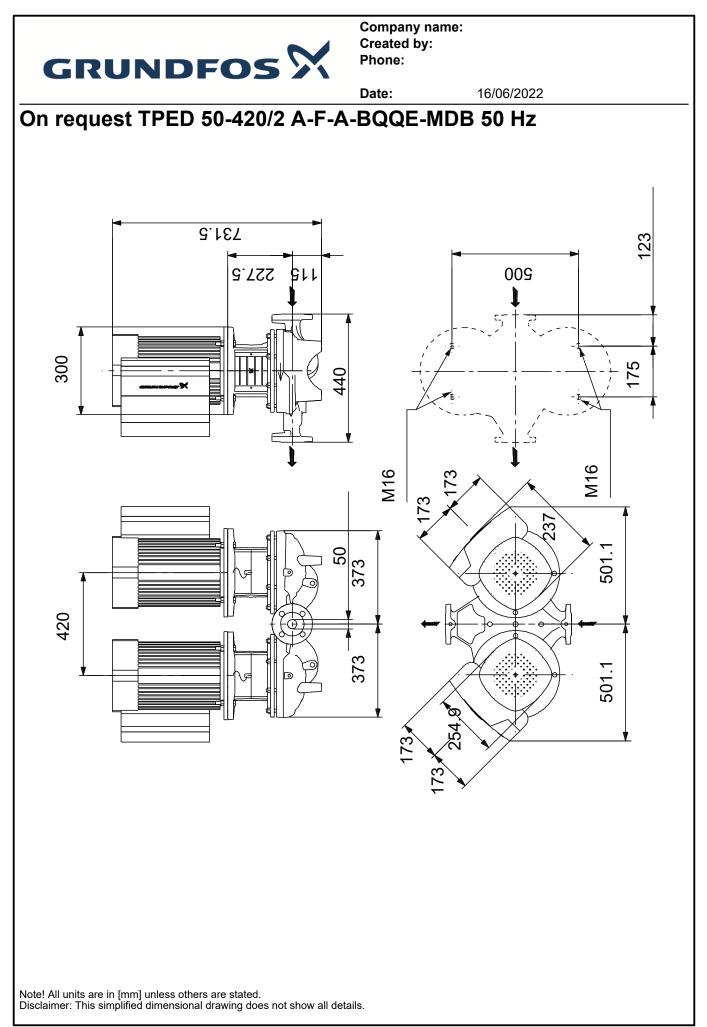


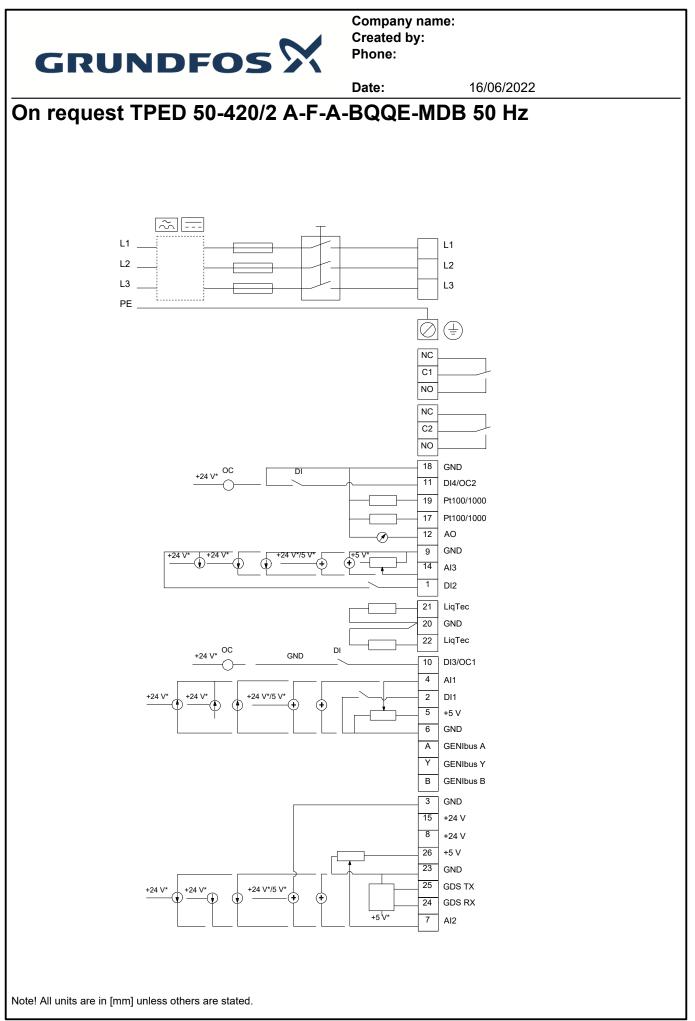
Description	Value	H [m]	TPED 50-420/2, 3*400 V	/
General information:	Value	L	Pumped liquid = Water	
Product name:	TPED 50-420/2 A-F-A-BQQE-MDB	55 -	Liquid temperature during operation = 20 °C Density = 998.2 kg/m ³	
Product No:	On request	50 -		- 1
EAN number:	On request	45 _	100 %	
Technical:	•			ſ
Pump speed on which pump data are based:	2910 rpm	40 -	90 %	- 8
Rated flow:	36 m³/h			Γ
Rated head:	35.3 m	30	80%	- 6
Maximum head:	420 dm	25 - //		- 5
Actual impeller diameter:	187 mm			Γ
Code for shaft seal:	BQQE	20//		- 4
Curve tolerance:	ISO9906:2012 3B2	15 -		3
			50 %	Γ
Pump version:	A	10 -	40 %	-2
Materials:	Oration	5		1
Pump housing:	Cast iron	5-26	5.%	
Pump housing:	EN-GJL-250	o		Ļ٥
Pump housing:	ASTM class 35		10 20 30 40 50 Q [m³/r	ıj T
Impeller:	Cast iron	[kW]		
Impeller:	EN-GJL-200	8 -	P1 (motor+freq.converter)	2
Impeller:	ASTM class 30		P2	
Material code:	Α	6 -		1
Installation:		ĭ		[
Range of ambient temperature:	-20 50 °C	4		1
Maximum operating pressure:	16 bar			Γ
Max pressure at stated temp:	16 bar / 120 °C	2		_ 5
Type of connection:	DIN	2-		- 3
Size of connection:	DN 50			
	PN 16	0		L 0
Pressure rating for connection:				
Port-to-port length:	440 mm		420 300	
Flange size for motor:	FF265			
Connect code:	F			
Liquid:				
Pumped liquid:	Water	F		
Liquid temperature range:	-25 120 °C			
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³	373	373 M16	
Electrical data:		173	t /173	
Motor type:	132SF			
IE Efficiency class:	IE5		₩	
Rated power - P2:	7.5 kW	$$ $ $ \forall		
Mains frequency:	50 Hz	501.1	501.1 M16	
Rated voltage:	3 x 380-500 V	501.1 ◄		
-			- 	
Rated current:	14.1-11.2 A			
Cos phi - power factor:	0.93-0.89			
Rated speed:	360-4000 rpm			
Efficiency:	92.5%	PE	 Ø0	
Motor efficiency at full load:	92.5 %		90 80 80	
Number of poles:	2			
Enclosure class (IEC 34-5):	IP55	-2017, DC		
Insulation class (IEC 85):	F	Carlo Carlo C		
Built-in motor protection:	ELEC			
Motor No:	98971080	-11.1 02		
Controls:				
Control panel:	HMI200 - Standard			
Function Module:	FM300 - Advanced			
Frequency converter:	Built-in			

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Date: 16/06/2022 Value Description Minimum efficiency index, MEI ≥: 0.70 Net weight: 202 kg Gross weight: 233 kg Shipping volume: 1.14 m³ Config. file no: 99100552 Country of origin: HU Custom tariff no .: 84137065







16/06/2022

Order Data:

Product name:TPED 50-420/2Amount:1Product No:On request

Total: Price on request