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22/08/2019

Qty. | Description

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TPED 65-240/4 A-F-A-BQQE



Note! Product picture may differ from actual product

Product No.: 99114625

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.

TPED 65-240/4 A-F-A-BQQEThe pump is fitted with an unbalanced rubber bellows seal. TPED 65-240/4 A-F-A-BQQETPED 65-240/4 A-F-A-BQQETPED 65-240/4 A-F-A-BQQEThe shaft seal is according to EN 12756. Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2).

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.

Further product details

A control panel enables setting of required setpoint as well as setting of pump to "Min." or "Max." operation or to "Stop". The control panel has indicator lights for "Operation" and "Fault".

Communication with the pump is possible by means of the Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".

An operating panel on the motor terminal box enables setting of required setpoint as well as setting of pump to "Min." or "Max." operation or to "Stop". The Grundfos Eye indicator on the operating panel provides visual indication of pump status:

- "Power on": Motor is running (rotating green indicator lights) or not running (permanently green indicator lights)
- "Warning": Motor is still running (rotating yellow indicator lights) or has stopped (permanently yellow indicator lights)
- "Alarm": Motor has stopped (flashing red indicator lights).

Communication with the pump is possible by means of Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".

The product's minimum efficiency index (MEI) is greater or equal to 0.70. This is by the Commission Regulation (EU) considered as an indicative benchmark for best-performing water pump available on the market as from 1 January 2013.

Pump

Pump housing and pump head are electrocoated to improve the corrosion resistance.

Electrocoating includes:

1) Alkaline-based cleaning.

2) Pretreatment with zinc phosphate coating.



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	Description		
	B) Cathodic electrocoating (epoxy).4) Curing of paint film at 200-250 °C.		
2 3 4	l: Pump housing 2: Impeller 3: Stub shaft 4: Pump head/motor stool		
5	5: Wear rings		
T O	The pump housing is provided with a replaceable bras butlet side of the impeller to the inlet side. The impelle	s neck ring to r is secured to	reduce the amount of liquid running from th the shaft with a nut.
t	The pump is fitted with an unbalanced rubber bellows he bellows. Due to the bellows, the seal does not wea deposits on the shaft.	seal with torqu ar the shaft, an	ue transmission across the spring and arour Id the axial movement is not prevented by
F	 Primary seal: Rotating seal ring material: silicon carbide (SiC Stationary seat material: silicon carbide (SiC))	
p	This material pairing is used where higher corrosion re pairing offers good resistance against abrasive particle Secondary seal material: EPDM (ethylene-propylene r	es.	quired. The high hardness of this material
	EPDM has excellent resistance to hot water. EPDM is		or mineral oils.
	A circulation of liquid through the duct of the air vent s The flanges have tappings for mounting of pressure ga		lubrication and cooling of the shaft seal.
V	The motor stool forms connection between the pump h rent screw for venting of the pump housing and the sh pump housing is an O-ring.	nousing and th aft seal chamb	e motor, and is equipped with a manual air ber. The sealing between motor stool and
T S	The central part of the motor stool is provided with gua shaft is fastened directly on the motor shaft with key a	ards for protect nd set screws.	tion against the shaft and coupling. The pur
Т	Motor The motor is a totally enclosed, fan-cooled motor with olerances comply with IEC 60034.	principal dime	nsions to IEC and DIN standards. Electrical
N	The motor is flange-mounted with free-hole flange (FF Motor-mounting designation in accordance with IEC 6 I).	,	5, IM V 1 (Code I) / IM 3001, IM 3011 (Code
т	The motor efficiency is classified as IE5 in accordance The motor requires no external motor protection. The quick-rising temperatures, e.g. constant overload and	motor control u	unit incorporates protection against slow- ar
Т	FPED 65-240/4 A-F-A-BQQEThe terminal box holds to	erminals for the	ese connections:

- •
- one dedicated digital input two analog inputs, 0(4)-20 mA, 0-5 V, 0-10 V, 0.5 3.5 V •



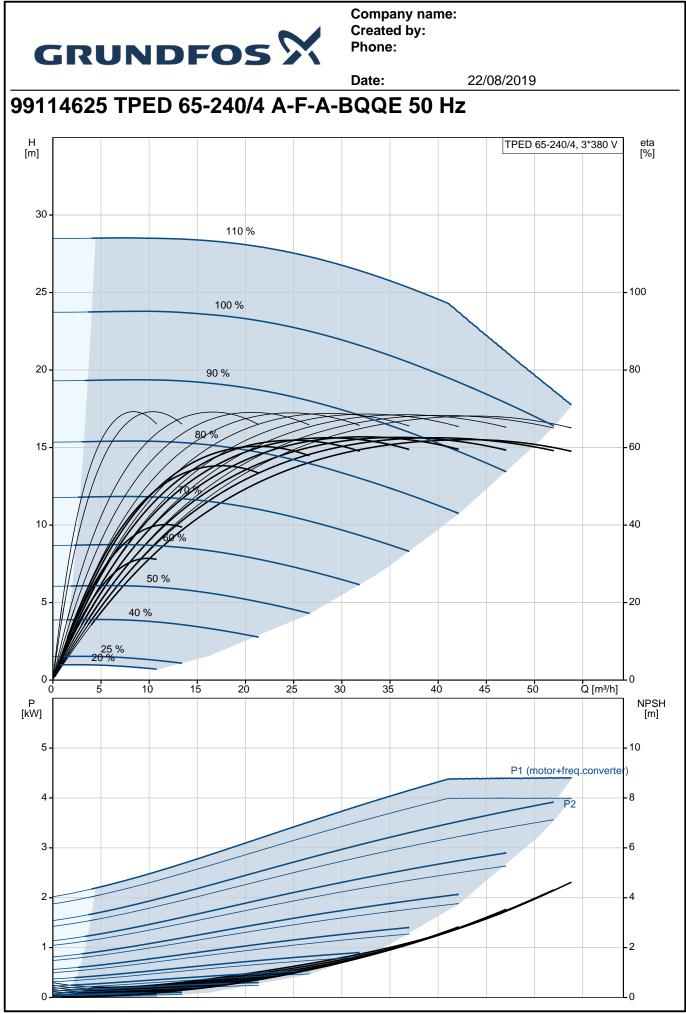
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		Date:	22/08/2019	
Description				
 5 V voltage supply to pote one configurable digital inj Grundfos Digital Sensor ir 24 V voltage supply for se two signal-relay outputs (p GENIbus connection interface for Grundfos CIM 	put or open-collecto nput and output nsors potential-free contac	r output		
 TPED 65-240/4 A-F-A-BQQEThe one dedicated digital input two analog inputs, 0(4)-20 5 V voltage supply to pote one configurable digital input Grundfos Digital Sensor in 24 V voltage supply for se two signal relay outputs (p the two power heads com interface for Grundfos CIM 	t mA, 0-5 V, 0-10 V, ntiometer and sens put or open-collecto uput and output nsors potential-free contac municate via wireles	0.5 - 3.5 V or r output ts)		
Technical data				
Controls:				
	Built-in			
Liquid temperature range:	Water -25 120 °C 20 °C ature: 998.2 kg/m³			
Rated head: Actual impeller diameter:	a are based: 1455 41.2 m³/h 19.4 m 263 mm BQQE ISO9906:2012 3B	rpm		
Impeller:	Cast iron EN-JL1040 ASTM A48-40 B Cast iron EN-JL1030 ASTM A48-30 B			
Maximum operating pressure: Flange standard: Pipe connection: Pressure rating: Port-to-port length:	-20 50 °C 16 bar DIN DN 65 PN 16 475 mm FF215			
	112ME IE5 4 kW			



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	GRUNDF		Date:	22/08/2019	
-	Description				
T	Mains frequency:	50 Hz			
	Rated voltage:	3 x 380-500 V			
	Rated current:	7.70-6.00 A			
	Cos phi - power factor:	0.92-0.87			
	Rated speed:	180-2200 rpm			
	Efficiency:	90.3%			
	Motor efficiency at full load:	90.3 %			
	Enclosure class (IEC 34-5):	IP55			
	Insulation class (IEC 85):	F			
	Motor No:	98971183			
	Others:				
	Minimum efficiency index, MEI				
	ErP status:	EuP Standalone/Proc	1.		
	Net weight:	182 kg			
	Gross weight:	213 kg			
	Shipping volume:	1.14 m³			



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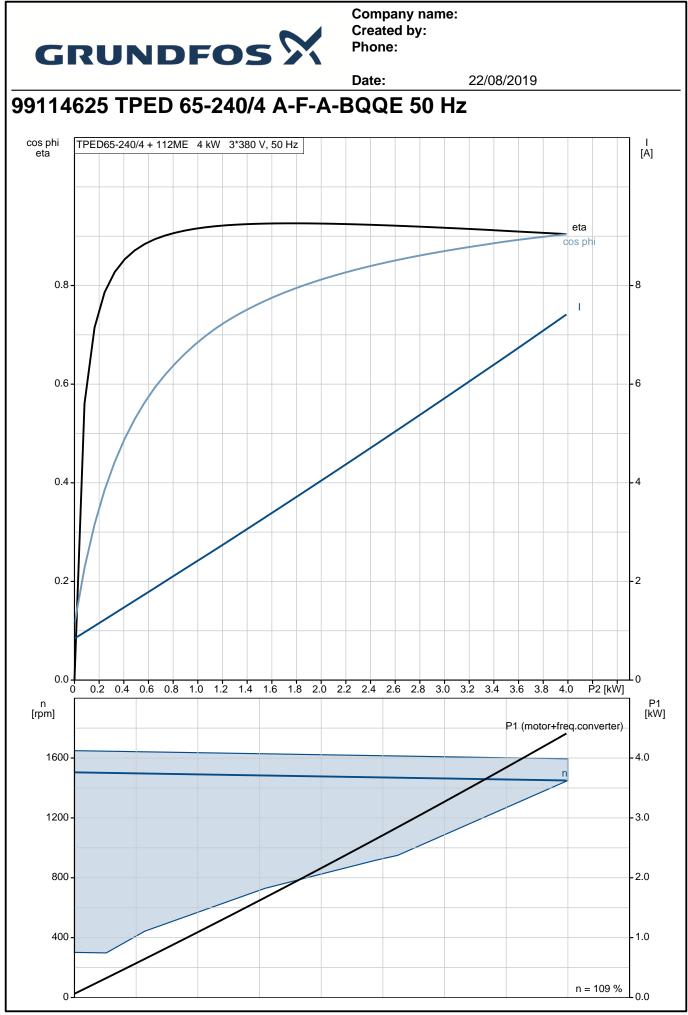
		Date:	22/08/2	2019	
Description	Value	H [m]		TPED 65-240/4, 3*380 V	eta [%]
General information:	Vulue	[]			[,-]
Product name:	TPED 65-240/4 A-F-A-BQQE	30 -	110 %		
Product No:	99114625				
EAN number:	5712607032777	25 -	100 %		- 100
LAN humber.	5712607032777		100 78		
Price:	9.285,00 GBP	_			
Technical:	9.203,00 GBF	20 -	90 %		- 80
Pump speed on which pump data are based:	1455 rpm	15-	80%		- 60
Rated flow:	41.2 m³/h				
Rated head:	19.4 m				
Head max:	240 dm	10 -	Http://		- 40
Actual impeller diameter:	263 mm		WH		
Primary shaft seal:	BQQE		50 %		
Curve tolerance:	ISO9906:2012 3B	5-	40 %		- 20
Pump version:	A	225	%		
Model:	A	204			L
Materials:		0 0 5	10 15 20 25 30	0 35 40 45 Q [m³/h]	-0
Pump housing:	Cast iron	Р			NPSH
p nouoing.	EN-JL1040	[kW] 5 -			[m] - 10
	ASTM A48-40 B			P1 (motor+freq.cor	
Impollori	Cast iron	4 -		P2	-8
Impeller:					
	EN-JL1030	3-			-6
	ASTM A48-30 B	2			
Material code:	A				-4
Installation:		1			-2
Range of ambient temperature:	-20 50 °C				
Maximum operating pressure:	16 bar	0			Lo
Flange standard:	DIN	466 -1- 46	6		
Pipe connection:	DN 65	191.3 440	201		
Pressure rating:	PN 16	╵┍╋╌╋┑			
Port-to-port length:	475 mm				
Flange size for motor:	FF215				
Connect code:	F			-	
Liquid:				194	
Pumped liquid:	Water		M TAR	12	
Liquid temperature range:	-25 120 °C	349 383	475	•	
Selected liquid temperature:	20 °C		145.5 M16		
Density at selected liquid temperature:	998.2 kg/m ³				
Electrical data:	550.2 Ng/III				
	112ME			- iõ	
Motor type:				<u></u>	
IE Efficiency class:	IE5	↓	M16		
Rated power - P2:	4 kW		175 111		
Mains frequency:	50 Hz				
Rated voltage:	3 x 380-500 V				
Rated current:	7.70-6.00 A				
Cos phi - power factor:	0.92-0.87	PE	 Ø@		
Rated speed:	180-2200 rpm		86 63 80		
Efficiency:	90.3%				
Motor efficiency at full load:	90.3 %	-2017 Ö	11 Dividica 11 Dividica Prosenses		
Enclosure class (IEC 34-5):	IP55	Constant of			
Insulation class (IEC 85):	F				
Motor protec:	YES				
Motor No:	98971183	<u>سره مده</u> ف			
Controls:	00011100		a GND A GENERA A V GENERA V		
	UMI200 Standard		B GENELS B 3 GAD 33 GAD		
Control panel:	HMI200 - Standard				
Function Module:	FM300 - Advanced		22 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
Frequency converter:	Built-in		_		

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Description	Value		
Others:		_	
Minimum efficiency index, MEI ≥:	0.70		
ErP status:	EuP Standalone/Prod.		
Net weight:	182 kg		
Gross weight:	213 kg		
Shipping volume:	1.14 m³		
Config. file no:	99100731		



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