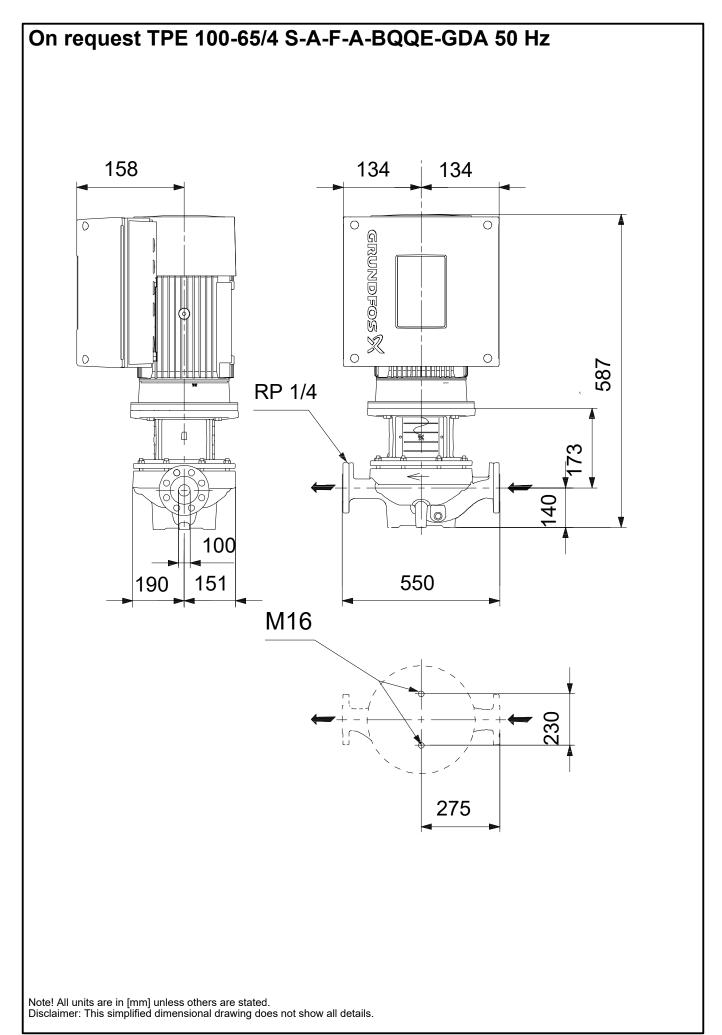
Qty.	Description						
1	TPE 100-65/4 S-A-F-A-BQQE-GDA						
		Note! Product picture may differ from actual product					
	Product No.: On request						
	Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out design, i.e. 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.						
	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: Liquid temperature range: Selected liquid temperature: Density:	Water -25 120 °C 20 °C 998.2 kg/m³					
	Technical: Pump speed on which pump data Rated flow: Rated head: Actual impeller diameter: Code for shaft seal: Curve tolerance:	a are based: 1445 rpm 65.39 m³/h 4.57 m 139 mm BQQE ISO9906:2012 3B2					
	Materials:						
	Pump housing: Impeller:	Cast iron EN-GJL-250 ASTM class 35 Cast iron EN-GJL-200 ASTM class 30					
	Installation: Range of ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of connection: Pressure rating for connection: Port-to-port length: Flange size for motor:	-20 50 °C 16 bar 16 bar / 120 °C DIN DN 100 PN 16 550 mm FF165					
	Electrical data: Motor type: IE Efficiency class: Rated power - P2:	90SD IE5 1.1 kW					

ty.	Description					
1	Mains frequency:	50 Hz				
	Rated voltage:	3 x 380-500 V				
	Rated current:	2.30-2.10 A				
	Cos phi - power factor:	0.90-0.74				
	Rated speed:	180-2000 rpm				
	Efficiency:	87.2%				
	Motor efficiency at full load:	87.2 %				
	Number of poles:	4				
	Final active alloca (IEC 24 E):	4 IP55				
	Enclosure class (IEC 34-5):					
	Insulation class (IEC 85): Motor No:	F 99116407				
	Others:					
	Minimum efficiency index, MEI ≥:	0.70				
	Net weight:	88.4 kg				
	Gross weight:	107 kg				
	Shipping volume:	0.39 m ³				
	empping volume.	0.00 m				

Description	Value	H [m]	TPE 100-65/4, 3*400 V eta [%]
General information:			Pumped liquid = Water
Product name:	TPE 100-65/4	8.0 -	Liquid temperature during operation = 20 °C Density = 998.2 kg/m ³
	S-A-F-A-BQQE-GDA		110 %
Product No:	On request	7.0 -	
EAN number:	On request	6.5 -	
Technical:		6.0 -	100 %
Pump speed on which pump data are based:	1445 rpm	5.5 -	
Rated flow:	65.39 m³/h	5.0 - 9	% 00
Rated head:	4.57 m	4.5	
Maximum head:	65 dm	4.0 - 8	30 %
Actual impeller diameter:	139 mm	3.5 -	× ×
Code for shaft seal:	BQQE	3.0 7	70 %
Curve tolerance:	ISO9906:2012 3B2	2.5	
Pump version:	A	2.0 -	80 %
Materials:		5	50 % 60
Pump housing:	Cast iron	1.5 -	
Pump housing:	EN-GJL-250	1.0 -	40
Pump housing:	ASTM class 35	0.5-2	-20
Impeller:	Cast iron	0.0	10 20 30 40 50 60 70 Q [m ³ /h]
Impeller:	EN-GJL-200	P [NPSH
Impeller:	ASTM class 30	[W]	[m]
Material code:	A]	P1 (motor+freq.converter)
Installation:	~	1200 -	6
Range of ambient temperature:	-20 50 °C	1000 -	P2 5
Maximum operating pressure:	16 bar	800 -	4
Maximum operating pressure. Max pressure at stated temp:	16 bar / 120 °C		
Type of connection:	DIN	600 -	3
Size of connection:	DIN DN 100	400 -	-2
	PN 16	200	1
Pressure rating for connection: Port-to-port length:	550 mm		
Flange size for motor:	FF165	0.1	0
Connect code:	F	<u>a</u>	
Liquid:	F	158	134 j 134
Pumped liquid:	Water		
Liquid temperature range:	-25 120 °C	° 	
Selected liquid temperature:	-25 120 °C		
Density:	998.2 kg/m ³		
Electrical data:	990.2 kg/m		RP 1/4
Motor type:	90SD		
IE Efficiency class:	IE5		
Rated power - P2:	1.1 kW		
Mains frequency:	50 Hz	190	151 550 M16
Rated voltage:	3 x 380-500 V		
Rated current:	2.30-2.10 A		
Cos phi - power factor:	0.90-0.74		
Rated speed:	180-2000 rpm		275
Efficiency:	87.2%		in the second se
Motor efficiency at full load:	87.2 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	4 IP55	&	
Insulation class (IEC 85):	F	12	
Built-in motor protection:	ELEC	PE	
Motor No:	99116407		
Controls:	99110407		
	LIMI200 Craphical		
Control panel:	HMI300 - Graphical		
Function Module:	FM300 - Advanced		
Frequency converter:	Built-in		
Others:	0.70		
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	88.4 kg		A GDSback V GDSback 8 GDSback B
Gross weight:	107 kg		
Shipping volume:	0.39 m³		
Config. file no:	99470995	-24 17	



Order Data:								
Position	Your pos.	Product name	Amount	Product No	Total			
		TPE 100-65/4	1	On request	Price or reques			
					reques			