

Company name: -Created by: Phone: Fax:

Date:

Position	Count	•			
	-1	TPE 50-240/2-S B U-G-Z-BUBE	On		
		Product plate could you from the actual product	request		
		Product photo could vary from the actual product			
	Product No.: 91136603 Single-stage, centrifugal, in-line, single-head pump.				
		The in-line design with opposite suction and discharge ports enables mounting in pipework or on a concrete foundation.			
		The shaft seal is a corrosion resistant maintenance-free mechanical seal.			
		The pump is fitted with a three-phase MLE motor with frequency converter and PI-controller integrated in the motor terminal box. No additional motor protection is required as both motor and electronics are protected by integrated overload and temperature protection.			
		A differential pressure transmitter fitted on the pump registers the differential pressure across the pump and enables constant pressure or proportional pressure control of the pump.			
		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".			

of Grundfos R100 Remote Control enabling further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".

Communication with the pump is possible by means

The terminal box holds terminals for the connection of:

- Pump start/stop (potential-free contact),



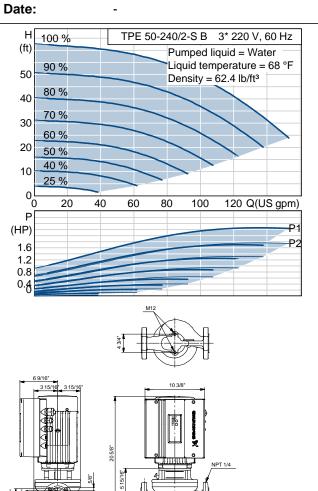
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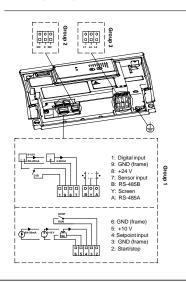
sition	Count	Description		Unit pri		
		- external remote setpoint s	setting via analog			
		signal, 0 - 5 V, 0 - 10 V, 0(4) - 20 mA, - 5 V voltage supply for setpoint potentiometer, Imax = 5 mA,				
		- differential pressure sensor factory-fitted,				
		- input for forced control to MIN or MAX (potential-free contact), - potential-free fault signal relay with				
		changeover contact,				
		- RS485 GENIbus.				
		TOTO OLIVIDUS.				
		Liquid:				
		Liquid temperature range:	5 284 °F			
		Liquid temp:	68 °F			
		Technical:				
		Actual calculated flow:	96.9 US gpm			
		Resulting head of the pump:	48.2 ft			
		Shaft seal:	BUBE			
		Maximum operating pressure:	145 psi			
		Materials:				
		Pump housing:	Bronze			
			DIN WNr. 2.1050			
			ASTM B505-C90700			
		Impeller:	Stainless steel			
			DIN WNr. 1.4301			
			AISI 304			
		Installation:				
		Maximum ambient temperature:	104 °E			
		Maximum operating pressure:	145 psi			
		Flange standard:	US Bronze 2"			
		Pipe connection:				
		Pressure stage:	125 psi 56C			
		Flange size for motor:	56C			
		Electrical data:				
		Motor type:	90CC			
		Number of poles:	2			
		Rated power - P2:	2 HP			
		Main frequency:	60 Hz			
		Rated voltage:	3 x 208-230 V			
		Rated current:	5.75 A			
		Cos phi - power factor:	0.95			
		Rated speed:	3460 rpm			
		Enclosure class (IEC 34-5):	55			
		Insulation class (IEC 85):	F			
		Others:				
		Gross weight:	108 lb			



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Description	Value
Product name:	TPE 50-240/2-S B U-G-Z-BUBE U-G-Z BUBE
Product Number:	91136603
EAN number:	5700838116908
Technical:	
Actual calculated flow:	96.9 US gpm
Resulting head of the pump:	48.2 ft
Head max:	78.7 ft
Shaft seal:	BUBE
Maximum operating pressure	145 psi
Pump Number:	96405268
Pump version:	U
Materials:	
Pump housing:	Bronze
i ump nousing.	DIN WNr. 2.1050
	ASTM B505-C90700
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	Z
Installation:	
Maximum ambient temperature:	104 °F
Maximum operating pressure	145 psi
Flange standard:	US Bronze
Connect code:	G
Pipe connection:	2"
Pressure stage:	125 psi
Flange size for motor:	56C
Liquid:	
Liquid temperature range	5 284 °F
Liquid temperature range	68 °F
Elquid temp.	00 1
Electrical data:	
Motor type:	90CC
Number of poles:	2
Rated power - P2:	2 HP
Main frequency:	60 Hz
Rated voltage:	3 x 208-230 V
Rated current:	5.75 A
Cos phi - power factor:	0.95
Rated speed:	3460 rpm
Enclosure class (IEC 34-5):	55
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900823
Othora	
Others: Gross weight:	108 lb
Config. file no:	97845519
Coming. Ilic flo.	010-10010



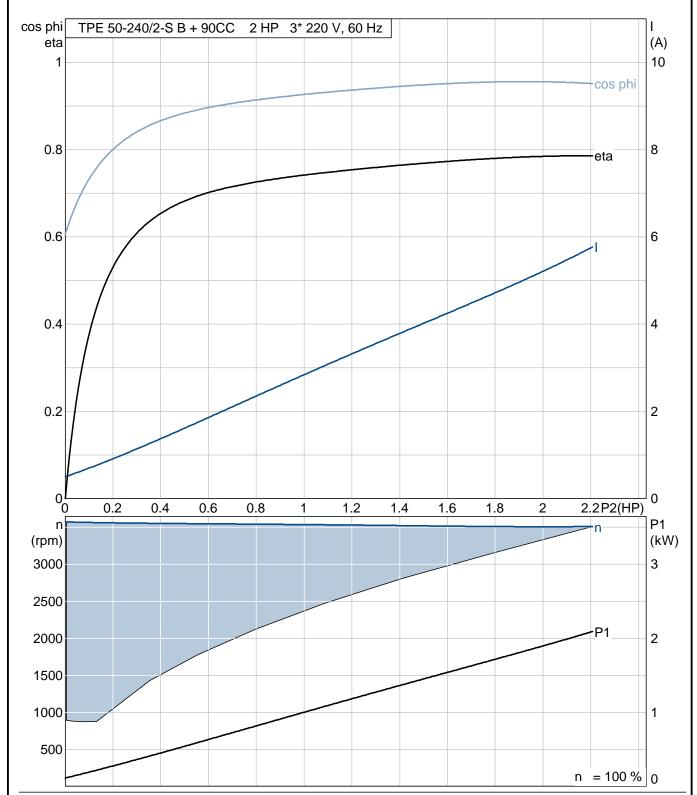




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91136603 TPE 50-240/2-S B 60 Hz

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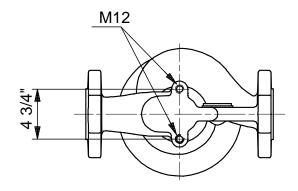


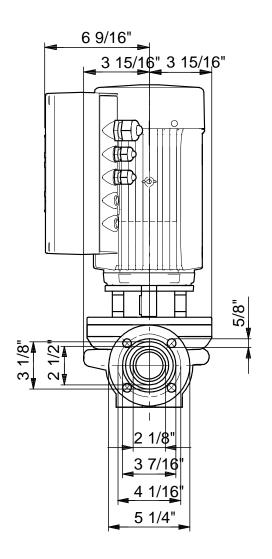
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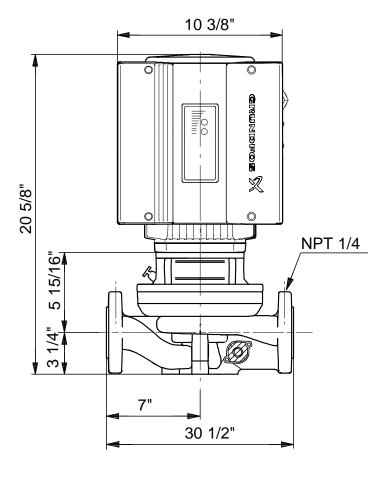
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91136603 TPE 50-240/2-S B 60 Hz







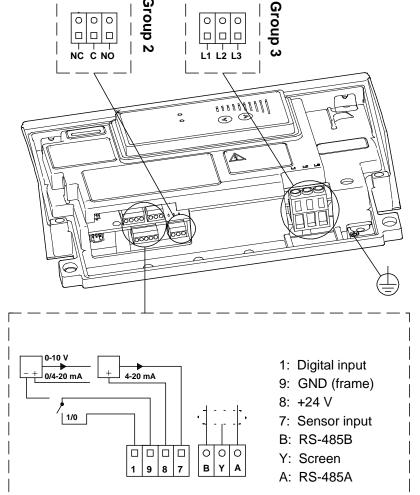
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

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91136603 TPE 50-240/2-S B 60 Hz



Group 1

6: GND (frame) 5: +10 V

4: Setpoint input

3: GND (frame)

2: Start/stop

All units are [mm] unless otherwise presented.

STOP

10K

6 5 4 3 2