

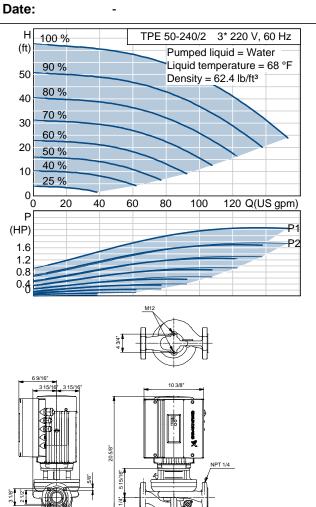
Date: -					
Position	Count	Description	Unit price		
Position	-1	TPE 50-240/2 U-G-A-BUBE  Product photo could vary from the actual product  Product No.: 91136573 Single-stage, centrifugal, in-line, single-head pump.	Unit price On request		
		The in-line design with opposite suction and discharge ports 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.  External sensor can be connected if controlled pump operation based on for example flow, differential pressure or temperature is required.  A control panel enables setting of required setpoint as well as setting of pump to MIN or MAX separations.			
		operation or to STOP. The control panel has indicator lights for "Operation" and "Fault".  Communication with the pump is possible by means 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".  The terminal box holds terminals for the connection of:  - Pump start/stop (potential-free contact),  - external remote setpoint setting via analog signal, 0 - 5 V, 0 - 10 V, 0(4) - 20 mA,  - 5 V voltage supply for setpoint potentiometer, Imax = 5 mA,			

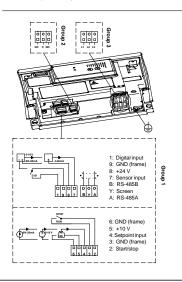


- sensor, 0 - 5 V, 0 - 10 V, 0 - 24 V voltage supply for se - input for forced control to lead (potential-free contact), - potential-free fault signal rechangeover contact, - RS485 GENIbus.  Liquid: Liquid temperature range: Liquid tempe:  Technical: Actual calculated flow: Resulting head of the pump: Shaft seal: Maximum operating pressure:  Materials: Pump housing:  Installation: Maximum ambient temperature:	nsor, Imax = 40 mA, MIN or MAX	Unit pr
Liquid temperature range: Liquid temp:  Technical: Actual calculated flow: Resulting head of the pump: Shaft seal: Maximum operating pressure:  Materials: Pump housing:  Impeller:  Installation:	68 °F  96.9 US gpm 48.2 ft BUBE 145 psi  Cast iron EN-JL 1040 ASTM 25 B Stainless steel DIN WNr. 1.4301	
Actual calculated flow: Resulting head of the pump: Shaft seal: Maximum operating pressure:  Materials: Pump housing:  Impeller:  Installation:	48.2 ft BUBE 145 psi  Cast iron EN-JL 1040 ASTM 25 B Stainless steel DIN WNr. 1.4301	
Impeller: Installation:	EN-JL 1040 ASTM 25 B Stainless steel DIN WNr. 1.4301	
		l l
Maximum operating pressure: Flange standard: Pipe connection: Pressure stage: Flange size for motor:	104 °F 145 psi US 2" 125 psi 56C	
Electrical data: Motor type: Number of poles: Rated power - P2: Main frequency: Rated voltage: Rated current: Cos phi - power factor: Rated speed: Enclosure class (IEC 34-5): Insulation class (IEC 85):	90CC 2 2 HP 60 Hz 3 x 208-230 V 5.75 A 0.95 3460 rpm 55 F	
Others: Gross weight:	103 lb	
	Electrical data: Motor type: Number of poles: Rated power - P2: Main frequency: Rated voltage: Rated current: Cos phi - power factor: Rated speed: Enclosure class (IEC 34-5): Insulation class (IEC 85):	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



Description	Value
Product name:	TPE 50-240/2 U-G-A-BUBE U-G-A BUBE
Product Number:	91136573
EAN number:	5700838116724
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:	96405267
Pump version:	U
Materials:	
Pump housing:	Cast iron
Tump housing.	EN-JL 1040
	ASTM 25 B
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	A
Installation:	
Maximum ambient temperature:	104 °F
Maximum operating pressure	145 psi
Flange standard:	US
Connect code:	G
Pipe connection:	2"
Pressure stage:	125 psi
Flange size for motor:	56C
Liquid	
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
Othoro	
Others:	102 lb
Gross weight: Config. file no:	103 lb 97845357
Coming. file flo.	31043031



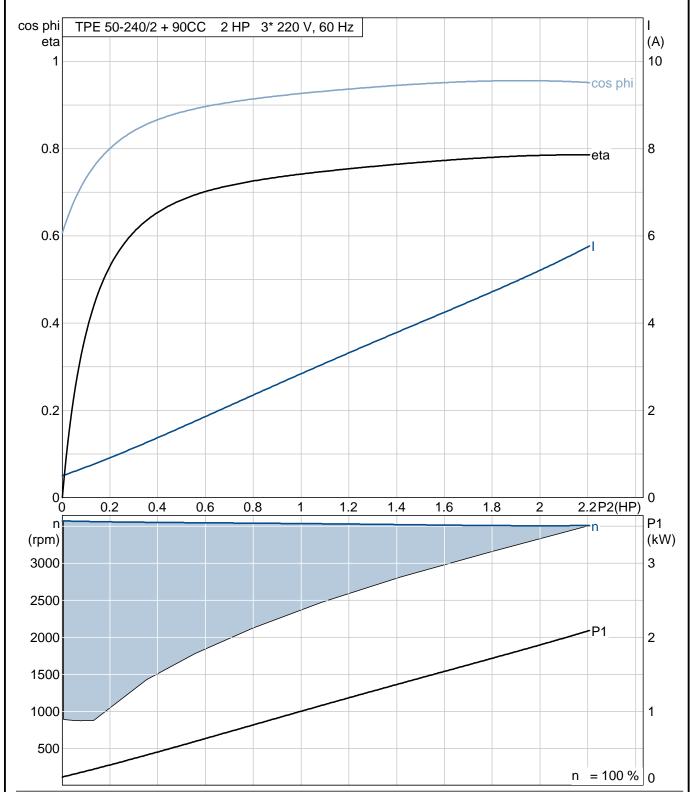




Date:

## 91136573 TPE 50-240/2 60 Hz

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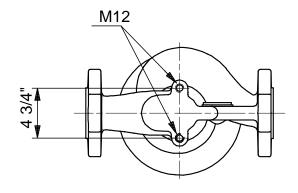
Company name: -

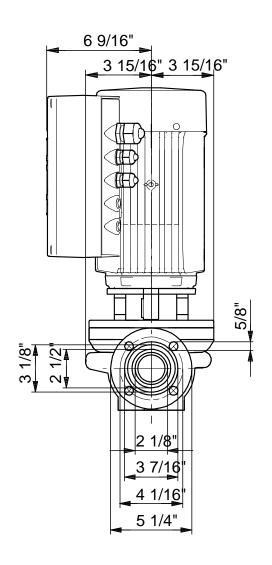
Created by: Phone:

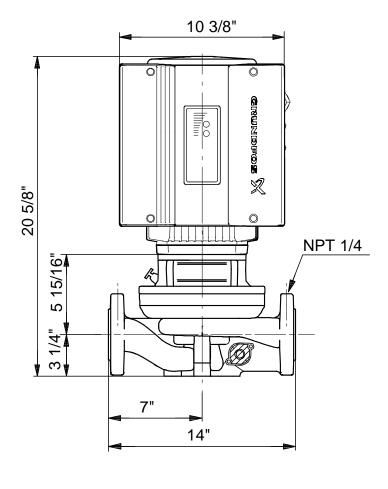
Fax:

Date:

## 91136573 TPE 50-240/2 60 Hz







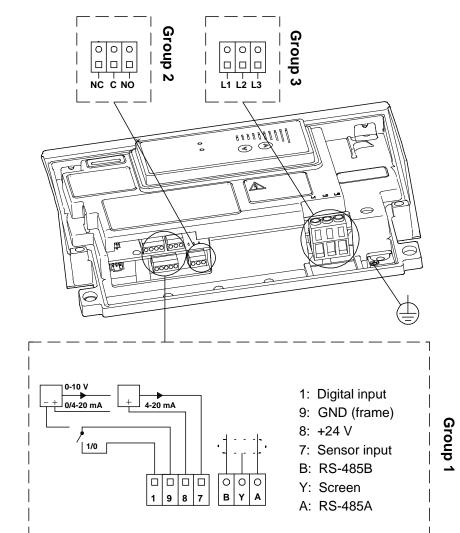
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

Company name: - Created by: -

Phone: Fax: -

Date:

## 91136573 TPE 50-240/2 60 Hz



6: GND (frame) 5: +10 V

4: Setpoint input

3: GND (frame)

2: Start/stop

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6 5 4 3 2

STOP

10K

All units are [mm] unless otherwise presented.

GRUNDFOS X