

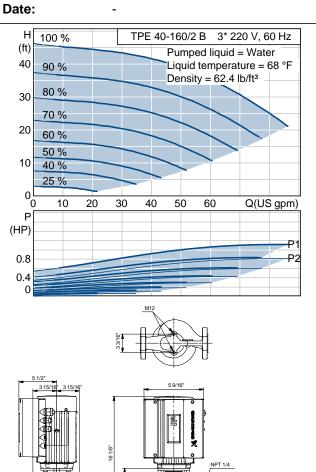
osition	Count	Description	
	-1	TPE 40-160/2 B U-G-Z-BUBE	Or
			reques
		Product photo could vary from the actual product	
		Product No.: 91136595 Single-stage, centrifugal, in-line, single-head pump.	
		The in-line design with opposite suction and discharge ports enables mounting in pipework or on a 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.	
		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 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,	

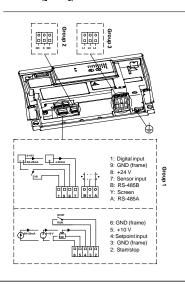


- sensor, 0 - 5 V, 0 - 10 V, 0)(4) - 20 mA.	Unit pri
(potential-free contact),	ensor, Imax = 40 mA, MIN or MAX	
Liquid: Liquid temperature range: Liquid temp:	5 284 °F 68 °F	
Technical: Actual calculated flow: Resulting head of the pump: Shaft seal: Maximum operating pressure:	56.4 US gpm 36.9 ft BUBE 145 psi	
Materials:		
Pump housing: Impeller:	Bronze DIN WNr. 2.1050 ASTM B505-C90700 Stainless steel DIN WNr. 1.4301 AISI 304	
Installation: Maximum ambient temperature: Maximum operating pressure: Flange standard: Pipe connection: Pressure stage: Flange size for motor:	104 °F 145 psi US Bronze 1 1/2" 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 1.5 HP 60 Hz 3 x 208-230 V 4.35 A 0.94 3480 rpm 55	
Others: Gross weight:	91.1 lb	
	- input for forced control to (potential-free contact), - potential-free fault signal changeover contact, - RS485 GENIbus. Liquid: Liquid temperature range: Liquid temp: Technical: Actual calculated flow: Resulting head of the pump: Shaft seal: Maximum operating pressure: Materials: Pump housing: Impeller: Installation: Maximum ambient temperature: Maximum operating pressure: Flange standard: Pipe connection: Pressure stage: Flange size for motor: 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):	- input for forced control to MIN or MAX (potential-free contact), - potential-free fault signal relay with changeover contact), - RS485 GENIbus. Liquid: Liquid temperature range: 5 284 °F Liquid temperature: 86 °F Technical: Actual calculated flow: 56.4 US gpm Resulting head of the pump: 36.9 ft Shaft seal: BUBE Maximum operating pressure: 145 psi Materials: Pump housing: Bronze DIN WNr. 2.1050 ASTM B505-C90700 Stainless steel DIN WNr. 1.4301 AISI 304 Installation: Maximum ambient temperature: 104 °F Maximum operating pressure: 145 psi Flange standard: US Bronze Pipe connection: 11/2" Pressure stage: 125 psi Flange size for motor: 56C Electrical data: Motor type: 90CC Number of poles: 2 Rated power - P2: 1.5 HP Main frequency: 60 Hz Rated voltage: 3 x 208-230 V Rated current: 4.35 A Cos phi - power factor: 0.94 Rated speed: 3480 rpm Enclosure class (IEC 34-5): 55 Insulation class (IEC 85): F



Description	Value	
Product name:	TPE 40-160/2 B U-G-Z-BUBE U-G-Z BUBE	
Product Number:	91136595	
EAN number:	5700838068542	
Technical:		
Actual calculated flow:	56.4 US gpm	
Resulting head of the pump:	36.9 ft	
Head max:	78.7 ft	
Shaft seal:	BUBE	
Maximum operating pressure Pump Number:	145 psi 96405260	
Pump version:	U	
Tump version.	0	
Materials:		
Pump housing:	Bronze	
, 3	DIN WNr. 2.1050	
	ASTM B505-C90700	
Impeller:	Stainless steel	
·	DIN WNr. 1.4301	
	AISI 304	
Material code:	Z	
Installation:	10105	
Maximum ambient temperature:	104 °F	
Maximum operating pressure	145 psi	
Flange standard: Connect code:	US Bronze G	
Pipe connection:	1 1/2"	
Pressure stage:	125 psi	
Flange size for motor:	56C	
i lange election motern		
Liquid:		
Liquid temperature range	5 284 °F	
Liquid temp:	68 °F	
Electrical data:		
Motor type:	90CC	
Number of poles:	2	
Rated power - P2:	1.5 HP 60 Hz	
Main frequency: Rated voltage:	3 x 208-230 V	
Rated current:	4.35 A	
Cos phi - power factor:	0.94	
Rated speed:	3480 rpm	
Enclosure class (IEC 34-5):	55	
Insulation class (IEC 85):	F	
Motor protection:	NONE	
Motor Number:	85900820	
Others:		
Gross weight:	91.1 lb	
Config. file no:	97845337	

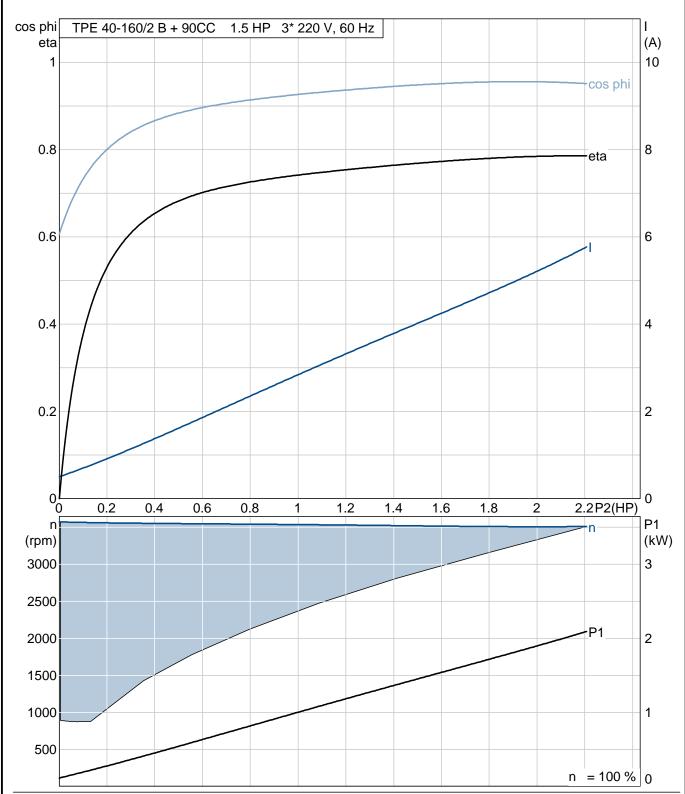






Date:

91136595 TPE 40-160/2 B 60 Hz



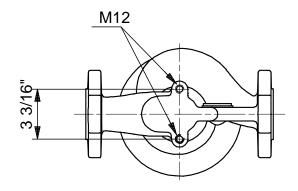


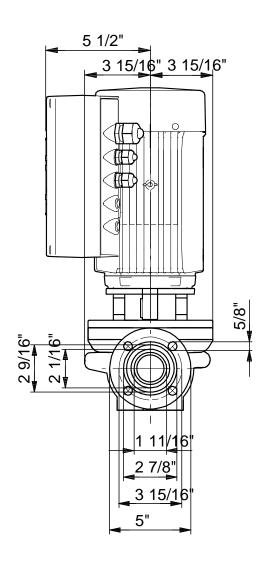
Company name: -

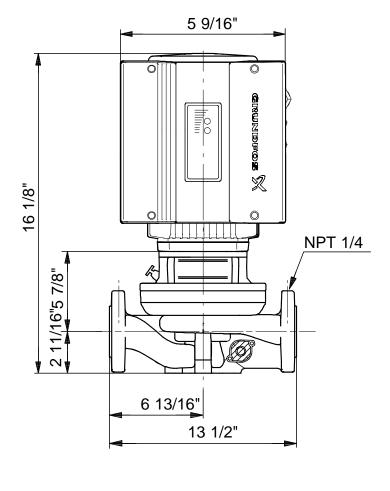
Created by: Phone:

Fax: Date:

91136595 TPE 40-160/2 B 60 Hz







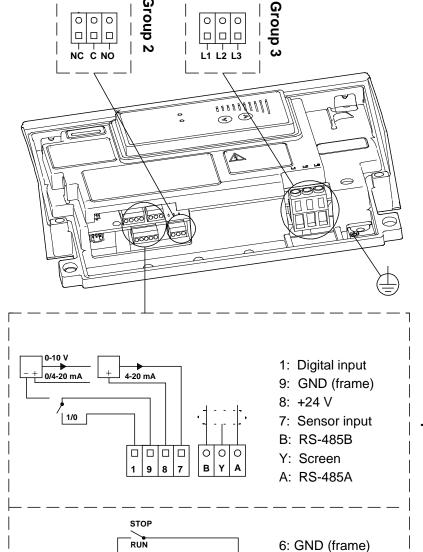
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

Company name: -

Created by: - Phone: -

Fax: - Date: -

91136595 TPE 40-160/2 B 60 Hz



6 5 4 3 2

5: +10 V

4: Setpoint input

3: GND (frame)

2: Start/stop

Group 1

All units are [mm] unless otherwise presented.

10K