

PROJECT:	CMBE Twin Booster	UNIT TAG:		QUANTITY:	1
REPRESENTATIVE:	Hurley Engineering	TYPE OF SERVICE:	Domestic Water Booster	DATE:	2/10/20
ENGINEER:	TBD	SUBMITTED BY:	Devin Carle	DATE:	
CONTRACTOR:	TBD	APPROVED BY:		DATE:	
		ORDER NO.:		DATE:	

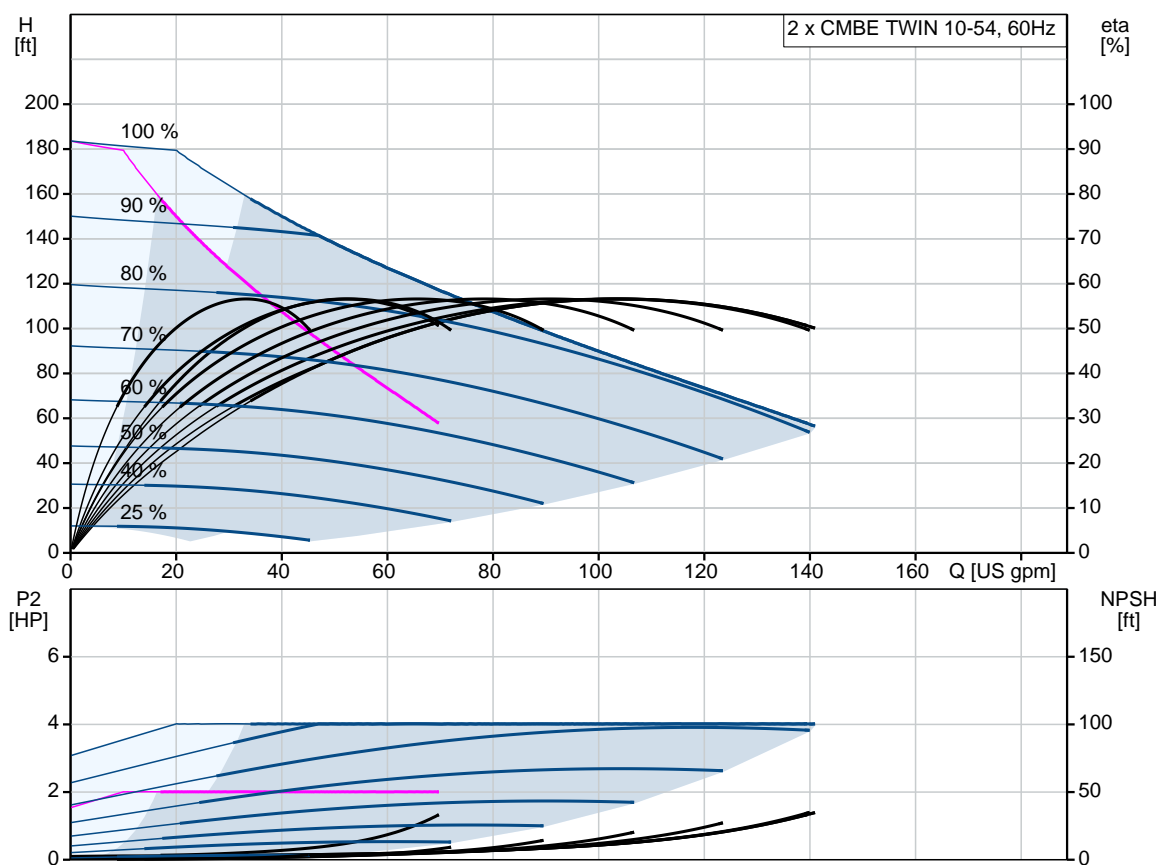


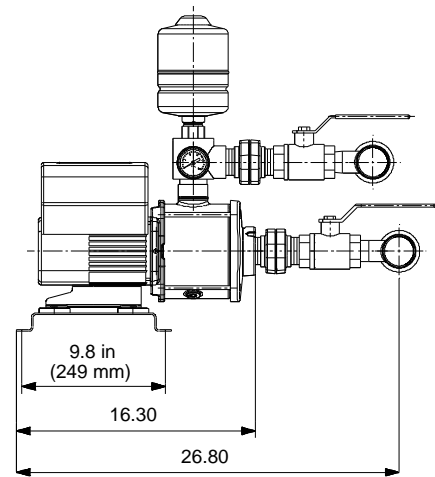
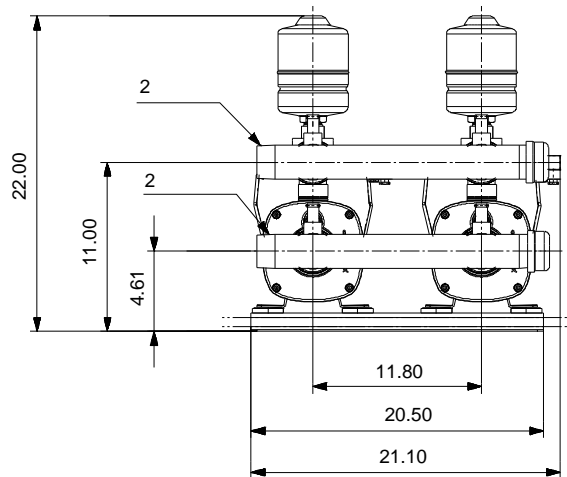
Product photo could vary from the actual product

### CMBE TWIN 10-54 I-U-C-B-D-H

The CMBE TWIN booster systems consist of two to four Grundfos CMBE booster connected in parallel, designed for the transfer and pressure boosting of clean water.

Conditions of Service	Pump Data	Motor Data
Flow: _____	Liquid temperature range: 32 .. 140 °F	Rated power - P2: 2 HP
Head: _____	Maximum ambient temperature: 104 °F	Rated voltage: 200-240 V
Efficiency: _____	Shaft seal: AQQE	Main frequency: 60 Hz
Liquid: Water	Flange standard: INTERNAL NPT THREAD	Insulation class: F
Temperature: 68 °F	Product number: 99503875	
NPSH required: ft		
Viscosity: _____		
Specific Gravity: 1.000		



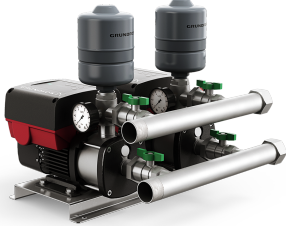


**Materials:**

Pump housing: Stainless steel  
EN 1.4301  
AISI 304

Impeller: Stainless steel  
DIN W.-Nr. 1.4301  
AISI 304

Rubber: EPDM

Count	Description
1	<p><b>CMBE TWIN 10-54 I-U-C-B-D-H</b></p>  <p>Product photo could vary from the actual product</p> <p>Product No.: <a href="#">99503875</a></p> <p>The Grundfos CMBE TWIN Booster is a compact two-booster system for water supply in domestic and commercial applications. The integrated speed controller allows the CMBE Booster to maintain constant pressure in the pipe system. A pressure sensor monitoring changes in the water consumption will signal the speed controller to change the motor speed. This way performance is adjusted according to the new state, thus running in cascade multi pump. The cascade control ensures that the performance of the CMBE Booster is automatically adapted to consumption by switching pumps on or off and by changing the speed of the pumps in operation. The system thus runs as energy-efficiently as possible with a limited number of pumps. The CMBE-TWIN Booster is very easy to install. It has UL approval.</p> <p>The CME Booster consists of 2 units of CMBE Booster which each include</p> <ul style="list-style-type: none"> <li>5-way valve expansion tank pressure gauge Pressure sensor</li> </ul> <p>Features</p> <ul style="list-style-type: none"> <li>Cascade multi pump operation Automatic pump alternation Constant pressure control Pipe filling Compact design Robust, stainless steel Easy installation (Plug &amp; Pump) Dry run protection</li> </ul> <p>Applications</p> <ul style="list-style-type: none"> <li>Apartment buildings Schools Small hotels Office buildings Agriculture</li> </ul> <p>Thermal protection CME Booster pumps require no external motor protection. The MGE motor incorporates thermal protection against slow overloading and blocking (IEC 34.11: TP211).</p> <p>NB: Suction lift: Max. 1 m, including suction-pipepressure loss at a liquid temperature of +20 °C. (not self-priming)</p>

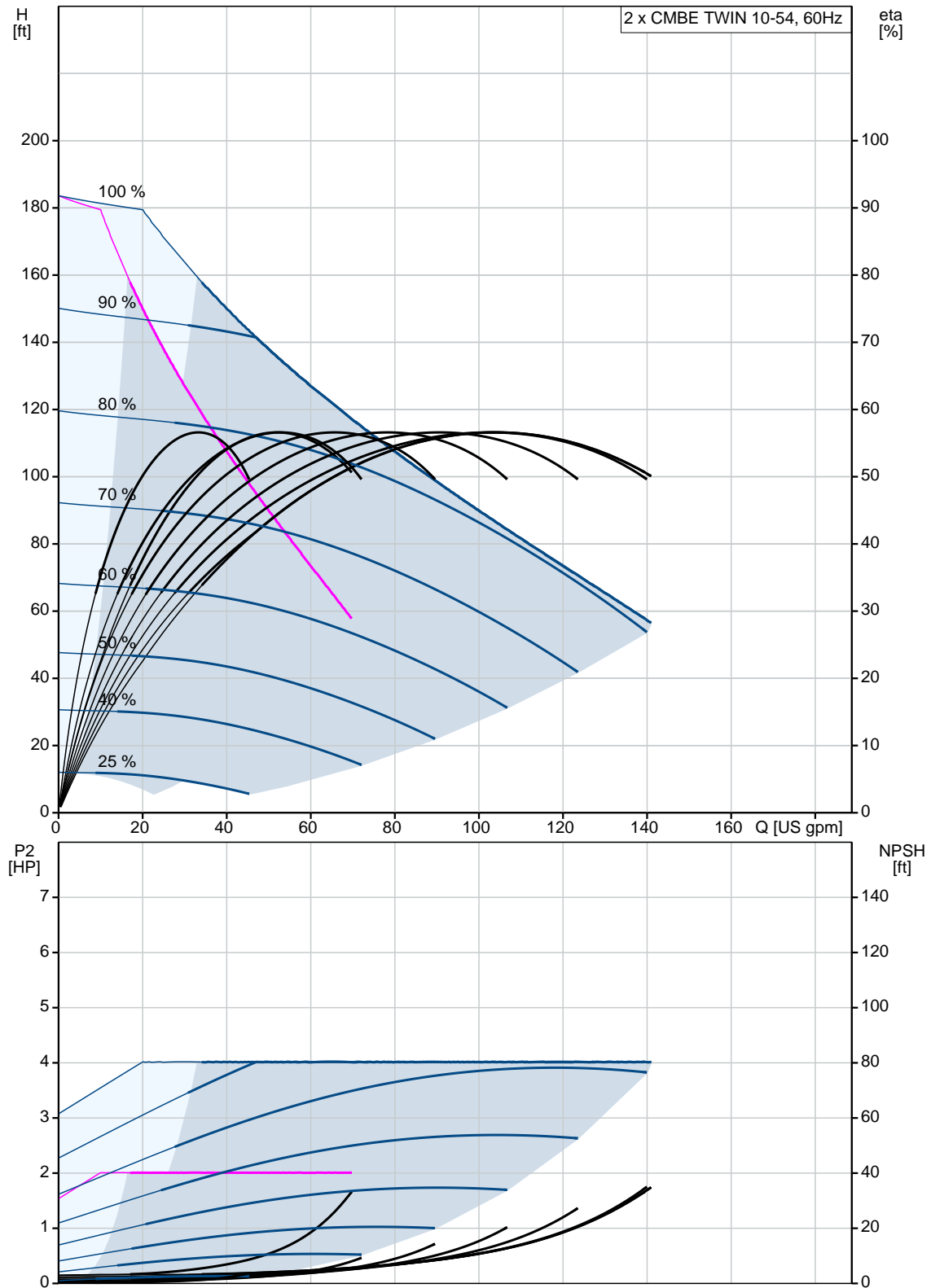


Company name: Hurley Engineering  
Created by:  
Phone:

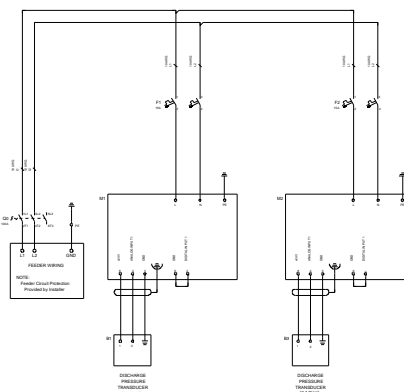
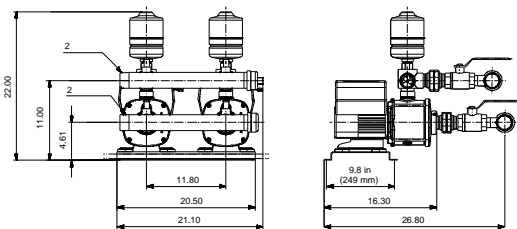
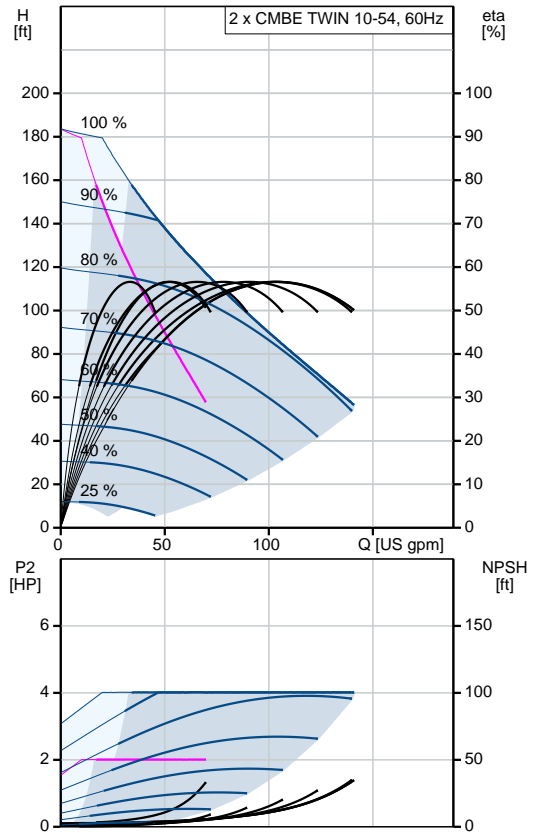
Date: 3/25/2020

Count	Description
	<p><b>Liquid:</b> Pumped liquid: Water Liquid temperature range: 32 .. 140 °F Selected liquid temperature: 68 °F Density: 62.29 lb/ft³</p> <p><b>Technical:</b> Pump speed on which pump data is based: 3868 rpm Primary shaft seal: AQQE Approvals and markings: CULUS Curve tolerance: ISO9906:2012 3B Start pressure: Integrated Frequency converter</p> <p><b>Materials:</b> Pump housing: Stainless steel EN 1.4301 AISI 304 Impeller: Stainless steel DIN W.-Nr. 1.4301 AISI 304 Rubber: EPDM</p> <p><b>Installation:</b> Maximum ambient temperature: 104 °F Flange standard: INTERNAL NPT THREAD Pump inlet: NPT2 Pump outlet: NPT2</p> <p><b>Electrical data:</b> Rated power - P2: 2 HP Main frequency: 60 Hz Rated voltage: 1 x 200-240 V Insulation class (IEC 85): F Type of cable plug: FUSE Mains cable: 4.92 ft</p> <p><b>Tank:</b> Tank volume: 1.057 gal</p> <p><b>Others:</b> Net weight: 180 lb Gross weight: 288 lb</p>

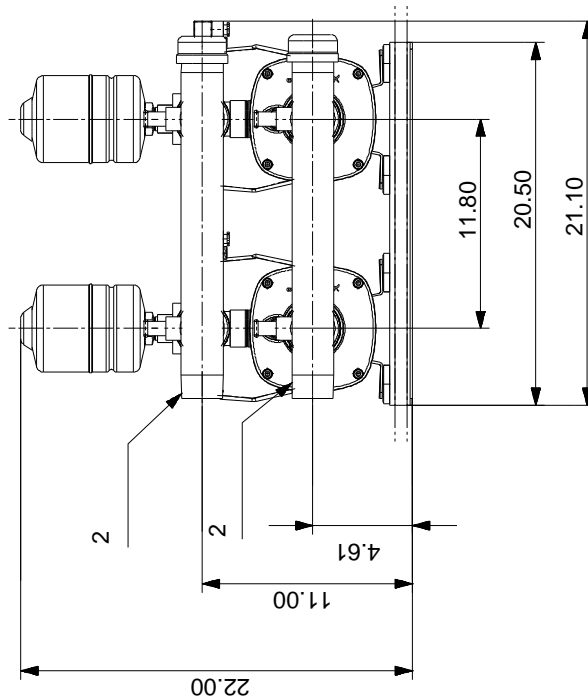
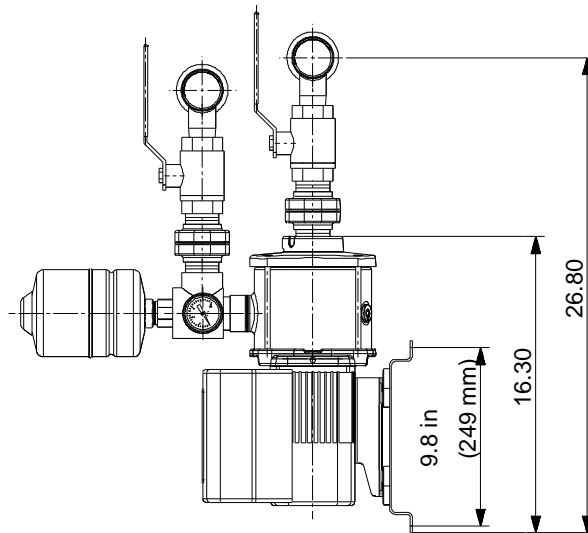
## 99503875 CMBE TWIN 10-54 I-U-C-B-D-H 60 Hz



Description	Value
<b>General information:</b>	
Product name:	CMBE TWIN 10-54 I-U-C-B-D-H
Product No.:	99503875
EAN:	5713830163740 5713830163740
<b>Technical:</b>	
Pump speed on which pump data is based:	3868 rpm
Impellers:	2
Primary shaft seal:	AQQE
Approvals and markings:	CULUS
Curve tolerance:	ISO9906:2012 3B
Number of pumps:	2
Model:	A
Start pressure:	Integrated Frequency converter
<b>Materials:</b>	
Pump housing:	Stainless steel EN 1.4301
Impeller:	Stainless steel DIN W.-Nr. 1.4301
Rubber:	EPDM
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Flange standard:	INTERNAL NPT THREAD
Pump inlet:	NPT2
Pump outlet:	NPT2
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	32 .. 140 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
<b>Electrical data:</b>	
Rated power - P2:	2 HP
Main frequency:	60 Hz
Rated voltage:	1 x 200-240 V
p max system:	145.04 psi
Insulation class (IEC 85):	F
Type of cable plug:	FUSE
Mains cable:	4.92 ft
<b>Tank:</b>	
Tank volume:	1.057 gal
<b>Others:</b>	
Net weight:	180 lb
Gross weight:	288 lb
Sales region:	Namreg
Config. file no:	99443209

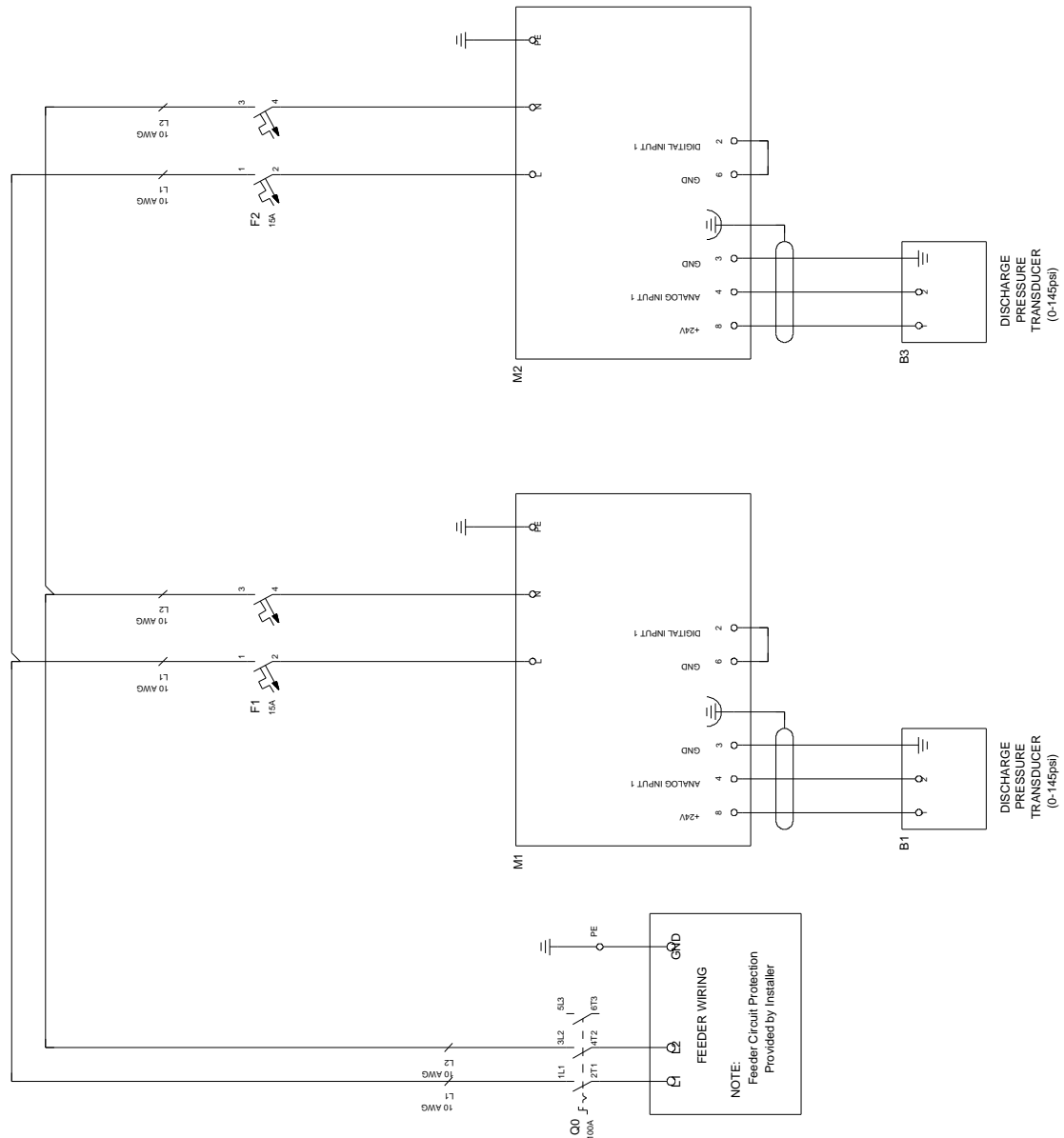


## 99503875 CMBE TWIN 10-54 I-U-C-B-D-H 60 Hz



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

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All units are [in] unless otherwise presented.