

PROJECT:	Hydro MPC-CME 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:	_____

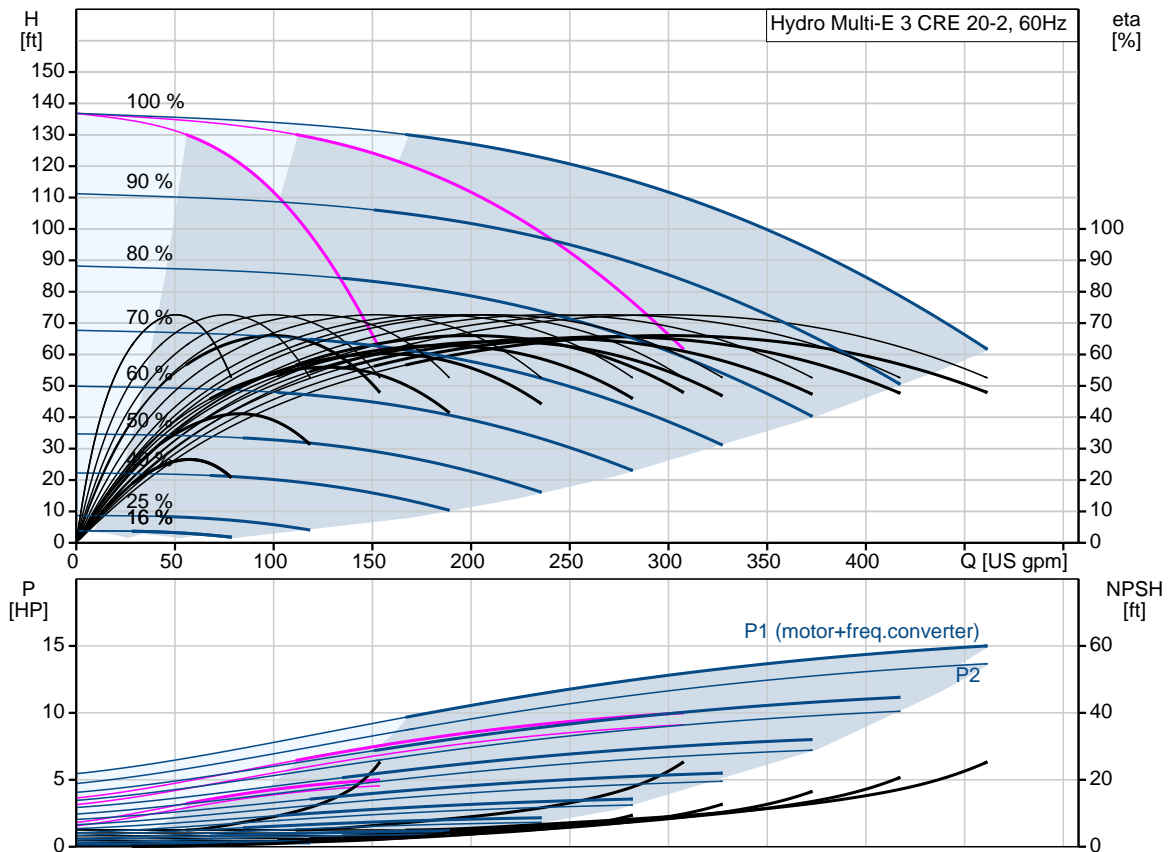


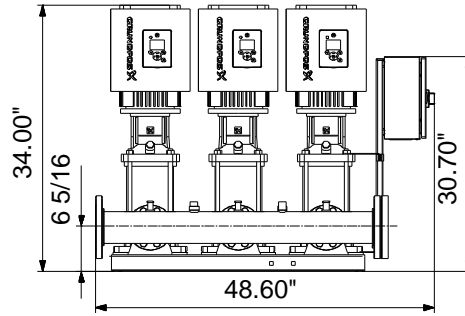
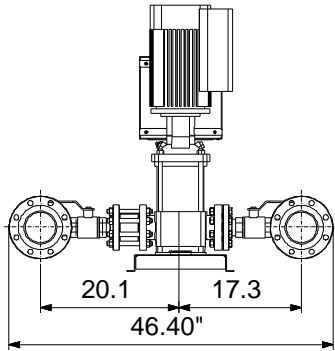
Product photo could vary from the actual product

Hydro Multi-E 3 CRE 20-2

Energy efficient pressure boosting system for boosting of clean water. Available with 2-4 parallel connected frequency controlled pumps, integrated advanced controller and all necessary fittings.

Conditions of Service	Pump Data	Motor Data
Flow: _____	Maximum operating pressure: 232.06 psi	Rated voltage: 208-230 V
Head: _____	Liquid temperature range: 32 .. 176 °F	Main frequency: 60 Hz
Efficiency: _____	Product number: 99445663	
Liquid: Water		
Temperature: 68 °F		
NPSH required: _____		
Viscosity: _____		
Specific Gravity: 1.000		






Materials:

Pump housing: Cast iron

Manifolds: Stainless steel

Count	Description
1	<p data-bbox="288 405 606 443">Hydro Multi-E 3 CRE 20-2</p>  <p data-bbox="694 689 1149 712">Product photo could vary from the actual product</p> <p data-bbox="288 719 566 748">Product No.: 99445663</p> <p data-bbox="288 779 1332 831">A GRUNDFOS Hydro Multi-E booster set consists of 2 to 4 speed controlled CR pumps (CRE pumps).</p> <p data-bbox="288 837 1316 866">Each CRE pump is equipped with an integrated variable frequency drive motor (MLE motor).</p> <ul data-bbox="336 898 1364 1070" style="list-style-type: none"> - Hydro Multi-E maintains constant pressure through continuous adjustment of the speed of the pumps. - The system performance is adapted to the demand through cutting in/out the required number of pumps and through parallel control of the pumps in operation. - Pump cascade control is based on first on first off to ensure equal pump wear. - All pumps in operation will run at equal speed. <p data-bbox="288 1102 1324 1153">GRUNDFOS Hydro Multi-E booster sets are designed for pressure boosting of clean water in residential/commercial building, municipal, industrial, and irrigation applications.</p> <p data-bbox="288 1189 1372 1290">The control of the Hydro Multi-E system is accomplished through Proportional-Integral control via a multi-pump controller card mounted in one of the MLE motors. The Hydro Multi-E system start/stop and set-point adjustment is possible through the use of two push buttons located on the MLE motor or with the R100 remote controller.</p> <p data-bbox="288 1332 694 1361">The system consists of these parts:</p> <ul data-bbox="336 1361 1372 1709" style="list-style-type: none"> - Suction manifold and discharge manifold made of 316 stainless steel. - Base frame made of 304 stainless steel. - One non-return valve (check valve), and two isolating valves for each pump. - Adapter with isolating valve for connection diaphragm tank. - Pressure gauge on suction and discharge manifolds. - Pressure transducer on discharge manifold. - Dry-running protection is standard with use of differential pressure switch on suction manifold. - A service disconnect switch located in a NEMA 3R enclosure is mounted to each pump for ease of service. - Grundfos bus communication with optional gateway connections for LON, Modbus, Profibus, BACnet, GSM <p data-bbox="288 1744 1292 1796">When delivered, the GRUNDFOS Hydro Multi-E booster set is factory tested and ready for operation.</p> <p data-bbox="288 1832 798 1861">Diaphragm tank is available as an accessory.</p> <p data-bbox="288 1892 391 1921">Liquid:</p> <p data-bbox="288 1921 798 2011">Pumped liquid: Water Liquid temperature range: 32 .. 176 °F Selected liquid temperature: 68 °F</p>

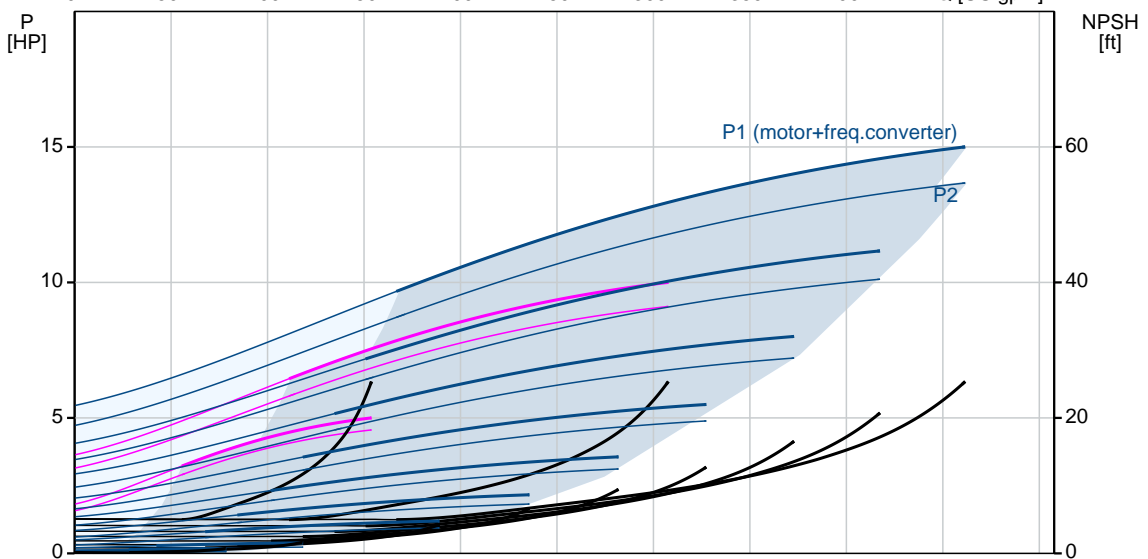
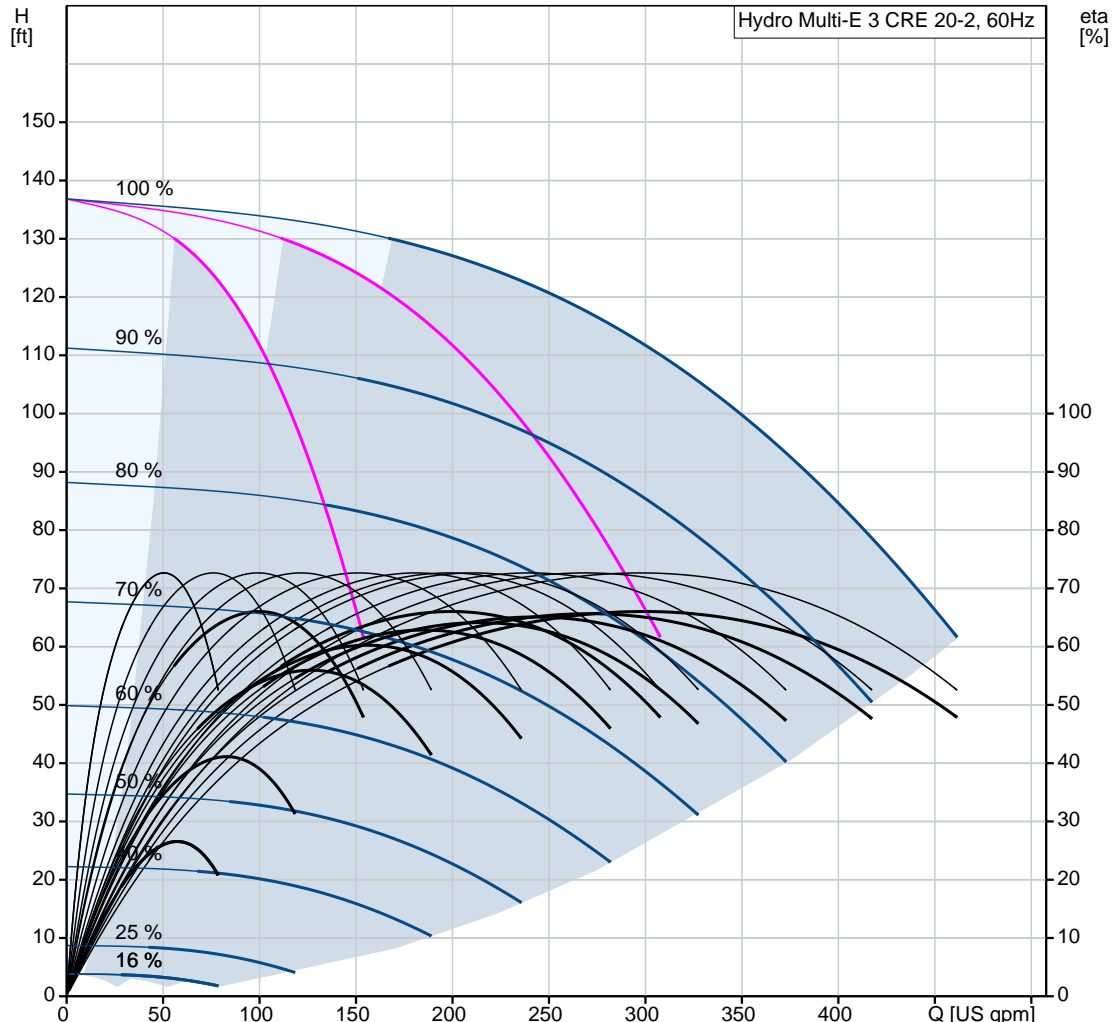


Company name: Hurley Engineering
Created by:
Phone:

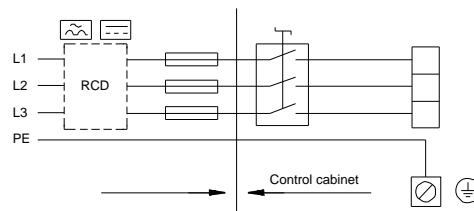
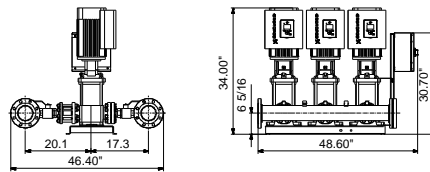
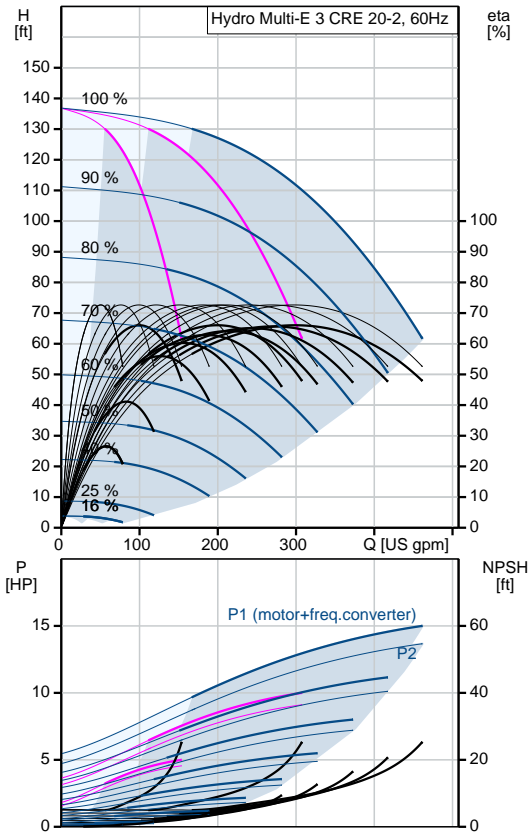
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Count	Description
	Density: 62.29 lb/ft ³
	Materials:
	Pump housing: Cast iron
	Installation:
	Maximum operating pressure: 232.06 psi
	Maximum permissible inlet pressure: 145.04 psi
	Manifold inlet: 4" ANSI
	Manifold outlet: 4" ANSI
	Electrical data:
	Power (P2) main pump: 5 HP
	Main frequency: 60 Hz
	Rated voltage: 3 x 208-230 V
	Rated voltage main pump: 3 x 230 V
	Rated current: 41.4 A
	Start. method: electronically
	Radio interference supression: IEC/CISPR 11-1B
	Tank:
	Diaphragm tank: No
	Others:
	Net weight: 769 lb
	Gross weight: 1050 lb
	Shipping volume: 158 ft ³

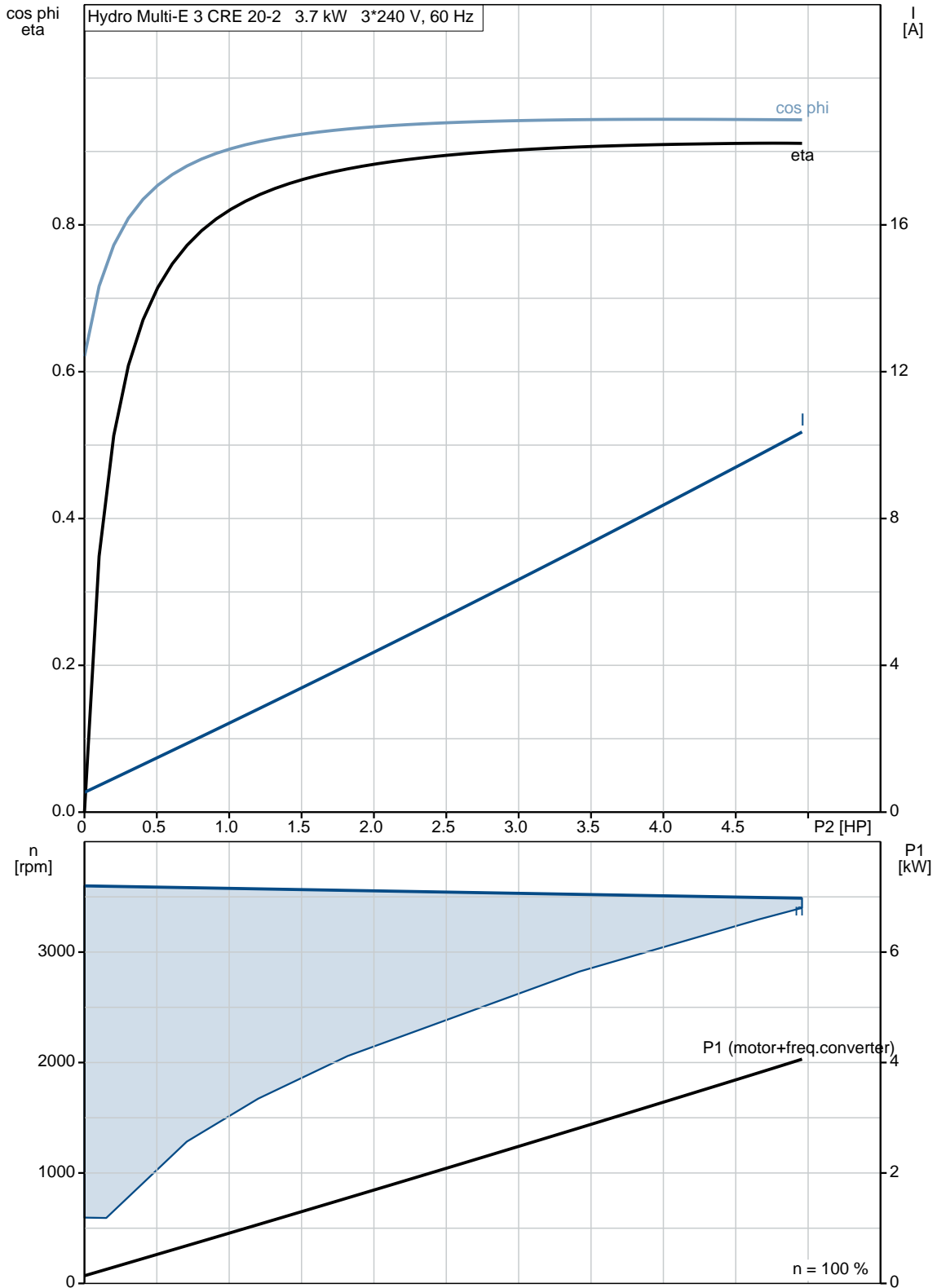
99445663 Hydro Multi-E 3 CRE 20-2 60 Hz



Description	Value
General information:	
Product name:	Hydro Multi-E 3 CRE 20-2
Product No.:	99445663
EAN:	5713829247192
	5713829247192
Technical:	
Min flow system:	0 US gpm
Max flow system:	449 US gpm
Maximum head:	137.1 ft
Pump name:	CRE20-2
Number of pumps:	3
Materials:	
Pump housing:	Cast iron
Manifolds:	Stainless steel
Installation:	
Maximum operating pressure:	232.06 psi
Maximum permissible inlet pressure:	145.04 psi
Manifold inlet:	4" ANSI
Manifold outlet:	4" ANSI
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	32 .. 176 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft ³
Electrical data:	
Power (P2) main pump:	5 HP
Main frequency:	60 Hz
Rated voltage:	3 x 208-230 V
Rated voltage main pump:	3 x 230 V
Rated current:	41.4 A
Start. method:	electronically
Radio interference supression:	IEC/CISPR 11-1B
Tank:	
Diaphragm tank:	No
Others:	
Net weight:	769 lb
Gross weight:	1050 lb
Shipping volume:	158 ft ³
Sales region:	Namreg



99445663 Hydro Multi-E 3 CRE 20-2 60 Hz

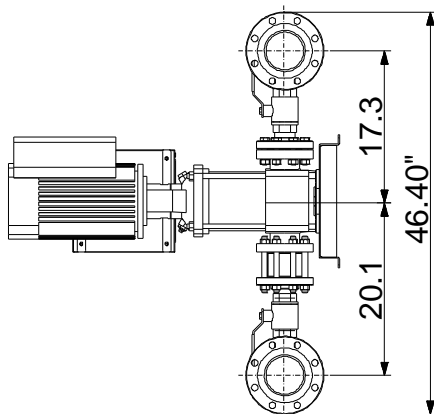
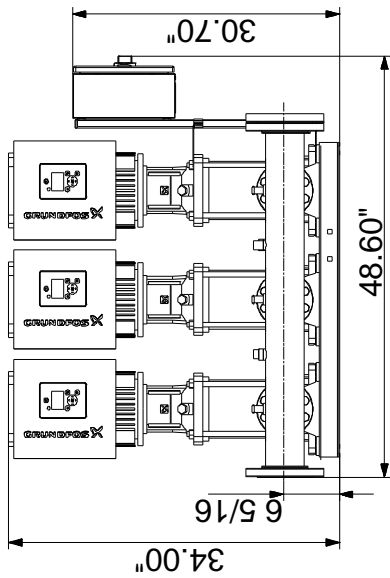




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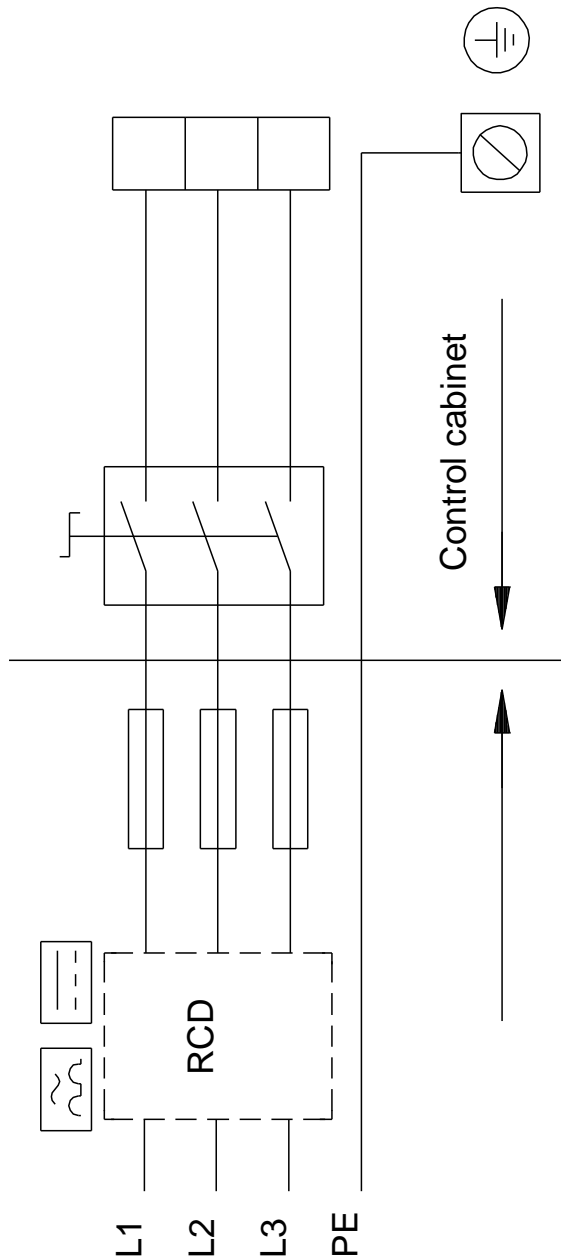
Date: 3/25/2020

99445663 Hydro Multi-E 3 CRE 20-2 60 Hz



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

99445663 Hydro Multi-E 3 CRE 20-2 60 Hz



All units are [in] unless otherwise presented.