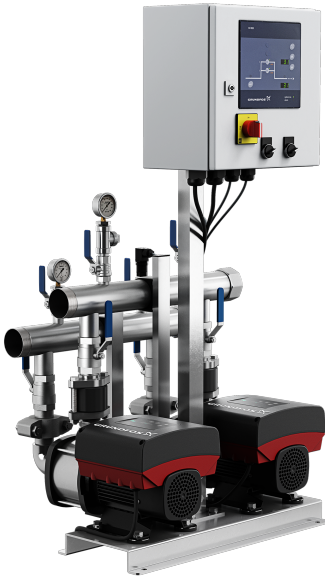


PROJECT: HURLEY DESIGN BUILD ASSIST	UNIT TAG: BP-1	QUANTITY: 1
REPRESENTATIVE: HURLEY ENGINEERING - CBS REPRESENTATIVE	TYPE OF SERVICE: DOMESTIC WATER	DATE: _____
ENGINEER: _____	SUBMITTED BY: HURLEY DESIGN TEAM	DATE: _____
CONTRACTOR: _____	APPROVED BY: _____	DATE: _____
	ORDER NO.: _____	DATE: _____

HYDRO MULTI-B/E 2 CME10-2

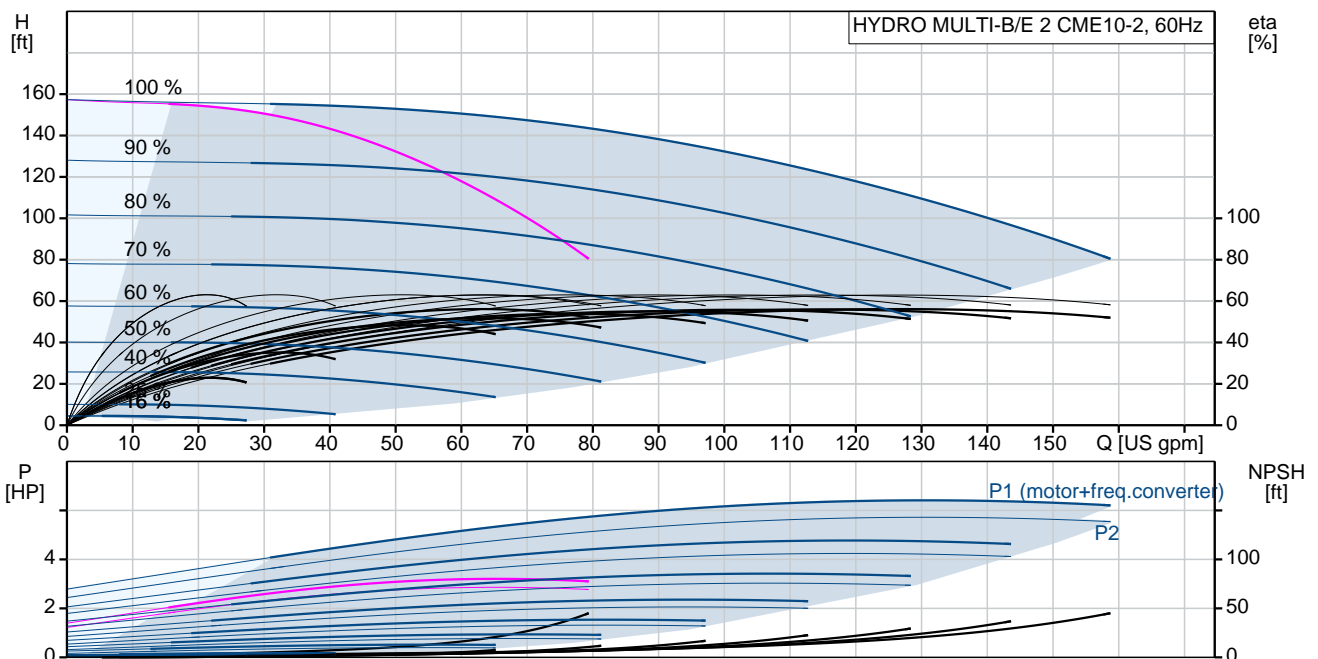
Booster systems with frequency-controlled pumps

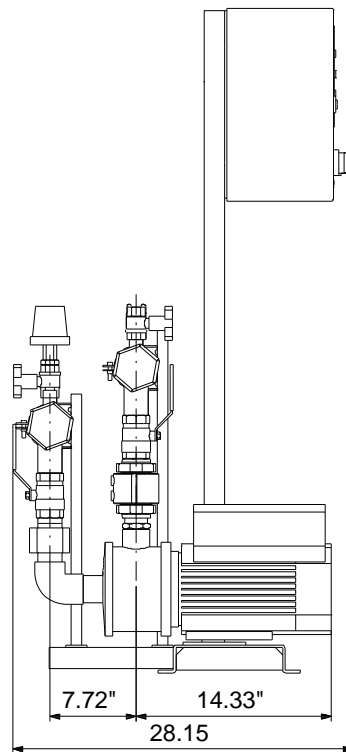
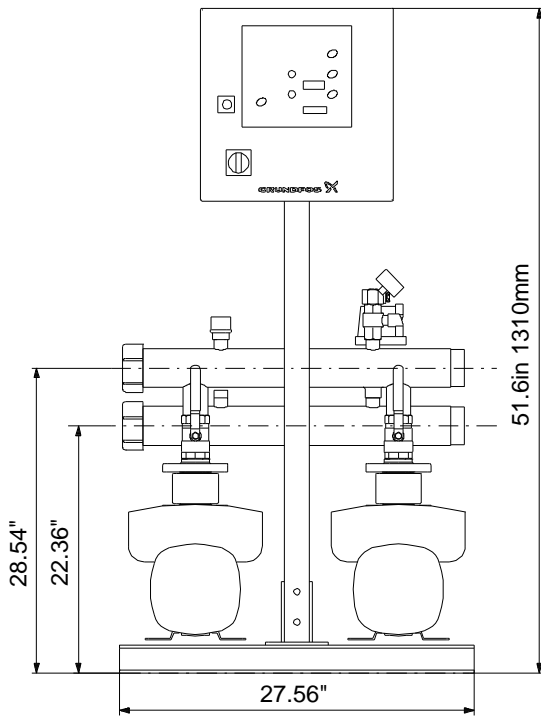


HURLEY ENGINEERING
MANUFACTURERS REPRESENTATIVES

Product photo could vary from the actual product

Conditions of Service	Pump Data	Motor Data
Flow: _____	Maximum operating pressure: 145 psi	Rated voltage: 208-230 V
Head: _____	Liquid temperature range: 32 .. 140 °F	Main frequency: 60 Hz
Efficiency: _____	Pipe connection: 2.5NPT	
Liquid: Water	Product number: 91149113	
Temperature: 68 °F		
NPSH required: ft		
Viscosity: _____		
Specific Gravity: 1.000		





Materials:

Pump: EN-GJL-200

Manifolds: EN/DIN 1.4571/ AISI 316 TI

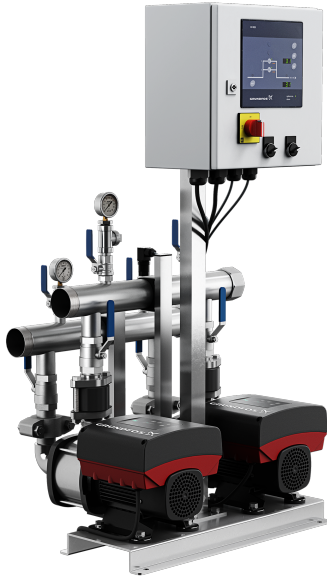


HURLEY ENGINEERING
MANUFACTURERS REPRESENTATIVES

Count	Description
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1

HYDRO MULTI-B/E 2 CME10-2



HURLEY ENGINEERING
MANUFACTURERS REPRESENTATIVES

Product photo could vary from the actual product

Product No.: [91149113](#)

Pressure booster system designed and manufactured by Grundfos.

Delivered on a common base plate, completely assembled and tested before it leaves the factory and ready for connection of water and electricity.

All pumps are Grundfos CME pumps with integrated frequency drives connected in parallel and operated in cascade.

The booster maintains a constant pressure through continuous adjustment of speed of the pumps and starting and stopping the pumps to meet the required flow.

The system consists of:


- 2 horizontal multistage pumps with integrated frequency converter, type CME10-2
- A suction and a discharge manifold in EN/DIN 1.4571/ AISI 316 TI
- One non-return valve per pump placed on the discharge side as standard.
- Two isolating valves and a clamp ring per pump for easy service and inspection of the pumps.
- Pressure sensor and gauge.
- CU323 Pump controller for controlling parallel coupled pumps in cascade.

Optional equipment:

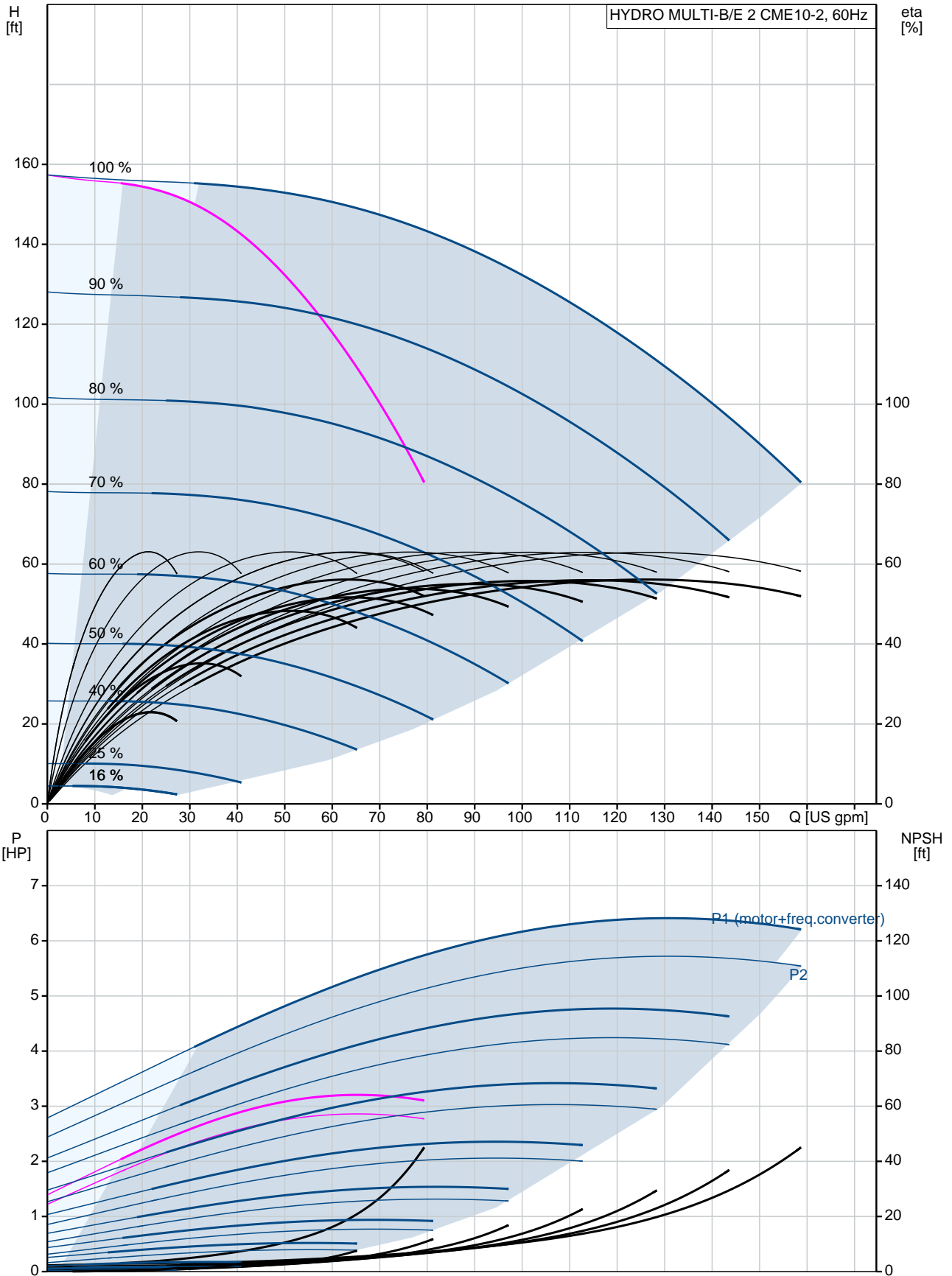
- Redundant Primary Sensor
- Water Shortage Protection
- Non return valve on suction side.
- Communication Modules for LON, BACnet, Modbus and GSM
- Phase Failure monitoring
- Beacon
- Audible alarm
- External transformer
- High / Low Level alarm
- System in operation indicating lamp
- Alarm indicating lamp

Accessories:

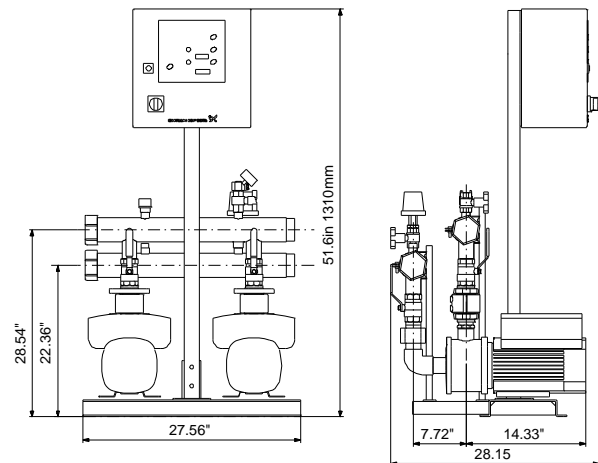
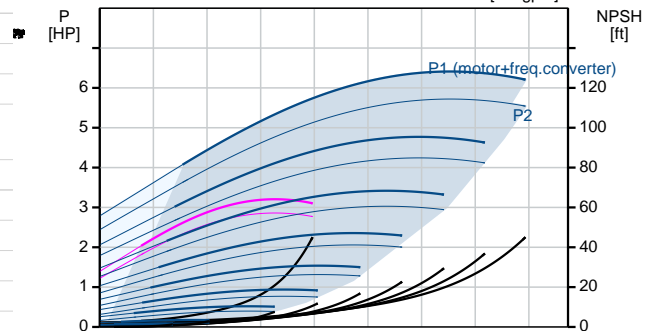
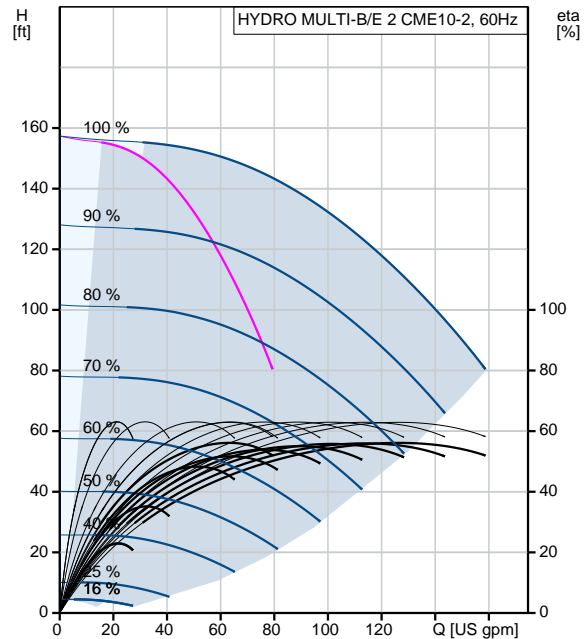
- Level Switch 5 meter cable
- Level Switch 10 meter cable
- Extra documentation

Count	Description								
	<p>Functions and features of the CU323 Pump controller:</p> <ul style="list-style-type: none"> -Constant pressure control -Automatic cascade control -Automatic alternation between pumps -Stop function -High Pressure Protection -Sensor Fault Protection -Motor Protection -Standby pumps -Automatic Display Lock -External Start / Stop (potential free contacts) -Easy to use HMI with 2 displays for set-point and process value -2 digital outputs, -Auto / manual control of pumps -Optional bus communication -Optional Safe Tank filling sequence -Optional monitoring of inlet pressure by means of inlet sensor <p>Technical data:</p> <table data-bbox="223 896 734 1030"> <tr> <td>Rated Flow:</td> <td>106 US gpm</td> </tr> <tr> <td>Rated Head:</td> <td>128 ft</td> </tr> <tr> <td>Liquid temperature:</td> <td>0 – 140 °F</td> </tr> <tr> <td>Max Pressure</td> <td>: 145 psi</td> </tr> </table> <p>Pump Material: EN-GJL-200 Shaft Seal: AQQE (SiC/SiC/EPDM)</p> <p>Mains Supply: 208-230 V</p> <p>Starting Method CME pump: electronically Power of CME pump: 3 HP</p> <p>Size of manifold connection: 2.5NPT Net Weight: 325 lb Gross Weight: 547 lb</p> <div data-bbox="367 1478 957 1881" style="text-align: center;">  <p>Since 1936</p> </div> <p>HURLEY ENGINEERING MANUFACTURERS REPRESENTATIVES</p>	Rated Flow:	106 US gpm	Rated Head:	128 ft	Liquid temperature:	0 – 140 °F	Max Pressure	: 145 psi
Rated Flow:	106 US gpm								
Rated Head:	128 ft								
Liquid temperature:	0 – 140 °F								
Max Pressure	: 145 psi								

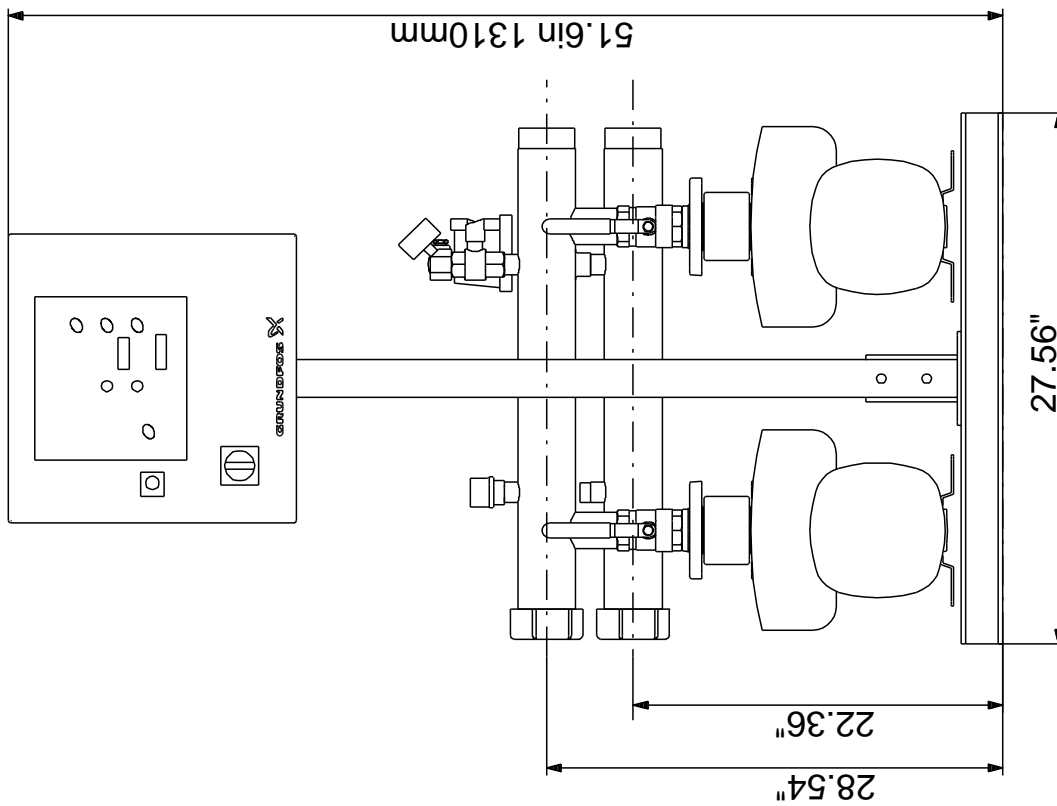
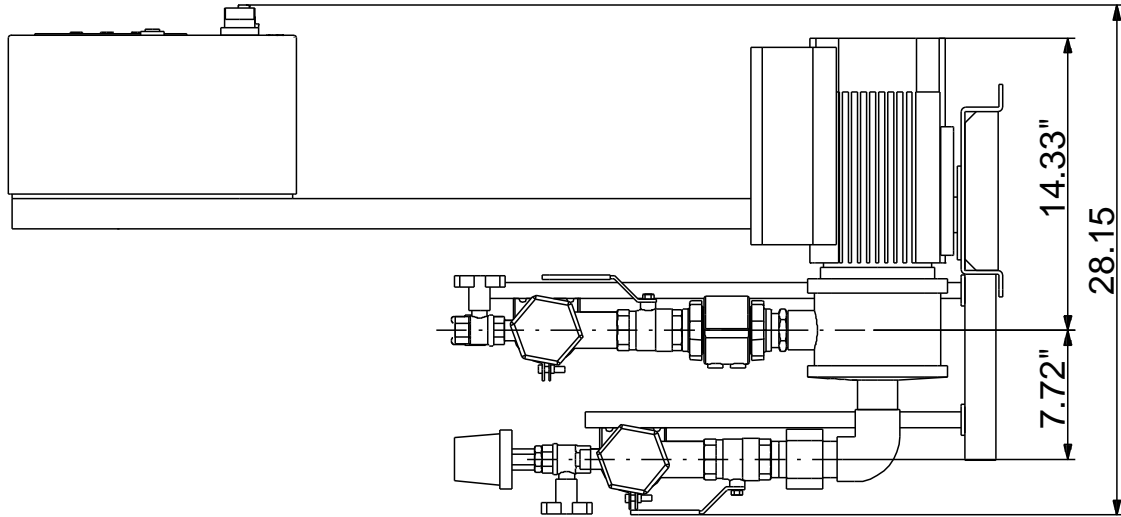
91149113 HYDRO MULTI-B/E 2 CME10-2 60 Hz



Description	Value
General information:	
Product name:	HYDRO MULTI-B/E 2 CME10-2
Product No.:	91149113
EAN:	5711490038644
Technical:	
Rated flow:	106 US gpm
Min flow system:	15.9 US gpm
Rated head:	128 ft
Head max:	150.9 ft
Main pump name:	CME10-2
Main pump Number:	99450817
Number of pumps:	2
Model:	A
Materials:	
Pump:	EN-GJL-200
Manifolds:	EN/DIN 1.4571/ AISI 316 TI
Installation:	
Maximum operating pressure:	145 psi
Pipe connection:	2.5NPT
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	32 .. 140 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Power (P2) main pump:	3 HP
Main frequency:	60 Hz
Rated voltage:	3 x 208-230 V
Starting main:	electronically
Rated current of system:	16.6 A
Controls:	
Control type:	E
Operation unit:	CU323-2
Tank:	
Diaphragm tank:	No
Others:	
Net weight:	325 lb
Gross weight:	547 lb
Product range:	NAMREG
Custom tariff no.:	8413.70.2040



91149113 HYDRO MULTI-B/E 2 CME10-2 60 Hz



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