

PROJECT:	Hurley Engineering Web Design Assist	UNIT TAG:	BP-1	QUANTITY:	1
REPRESENTATIVE:	Hurley Engineering Company	TYPE OF SERVICE:	Domestic Water	DATE:	
ENGINEER:	To Be Determined	SUBMITTED BY:		DATE:	
CONTRACTOR:	To Be Determined	APPROVED BY:		DATE:	
		ORDER NO.:		DATE:	



Product photo could vary from the actual product

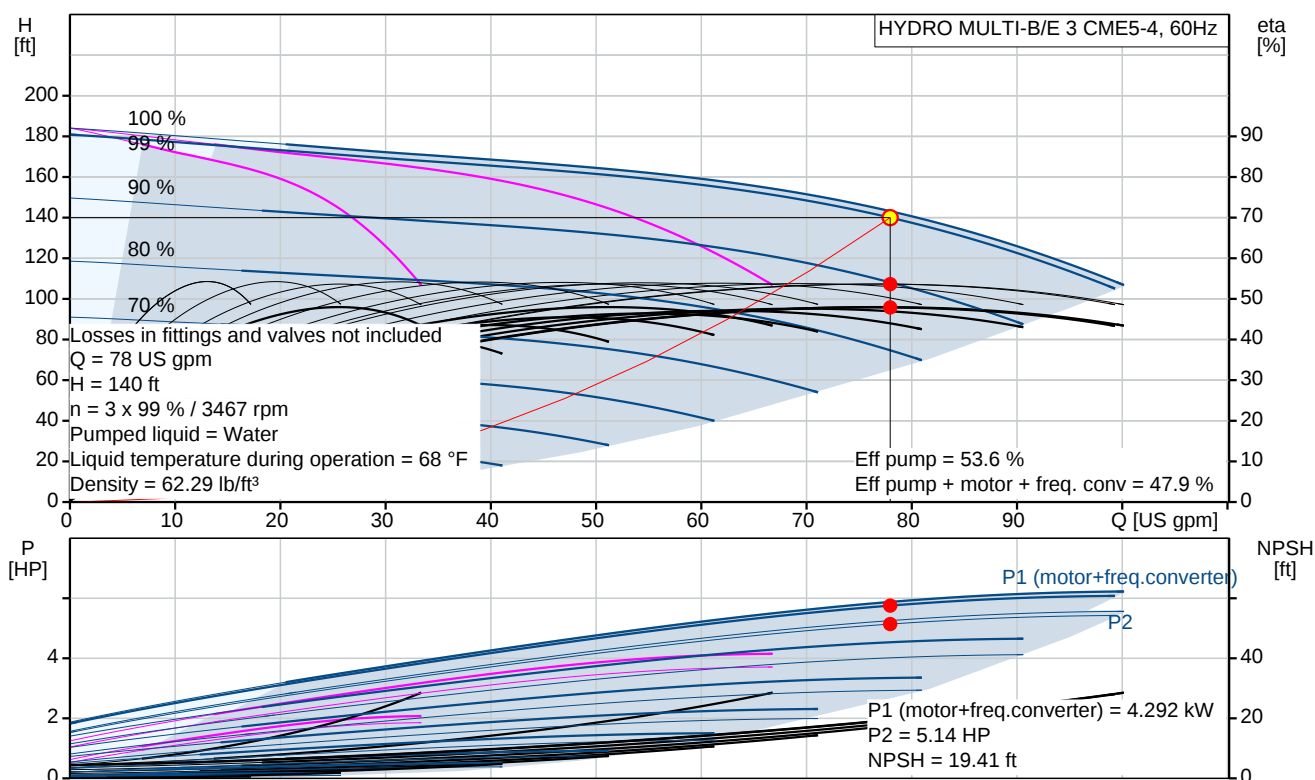
HYDRO MULTI-B/E 3 CME5-4

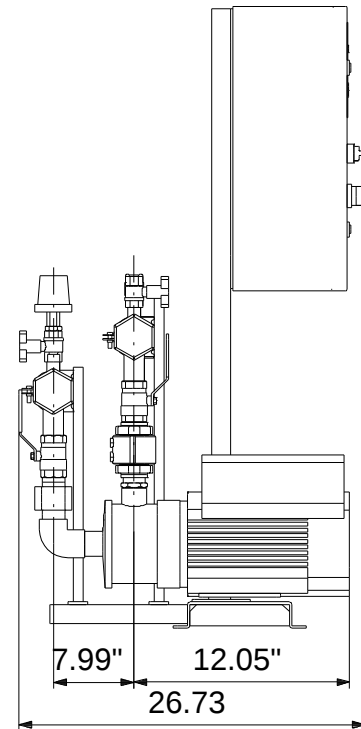
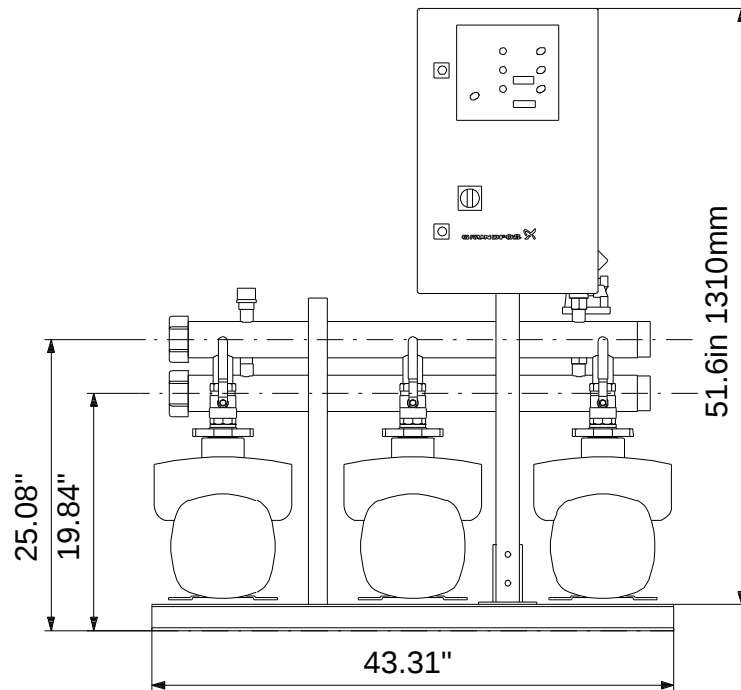
Booster systems with frequency-controlled pumps



HURLEY ENGINEERING
MANUFACTURERS REPRESENTATIVES

Conditions of Service		Pump Data		Motor Data	
Flow:	78 US gpm	Maximum operating pressure:	145 psi	Rated voltage:	208-230 V
Head:	140 ft	Liquid temperature range:	32 .. 140 °F	Main frequency:	60 Hz
Efficiency:	47.9 %	Pipe connection:	2NPT		
Liquid:	Water	Product number:	91149112		
Temperature:	68 °F				
NPSH required:	19.41 ft				
Viscosity:					
Specific Gravity:	1.000				





Materials:

Pump: EN-GJL-200

Manifolds: EN/DIN 1.4571/ AISI 316 TI

Count	Description
1	HYDRO MULTI-B/E 3 CME5-4 Product No.: 91149112 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: -3 horizontal multistage pumps with integrated frequency converter, type CME5-4 -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 Functions and features of the CU323 Pump controller: -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 Technical data: Rated Flow: 74 US gpm



Company name:

Created by:

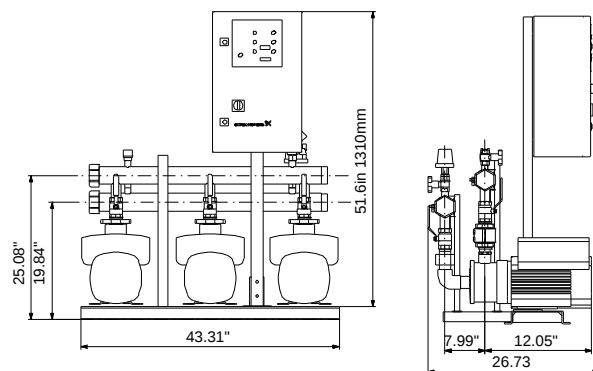
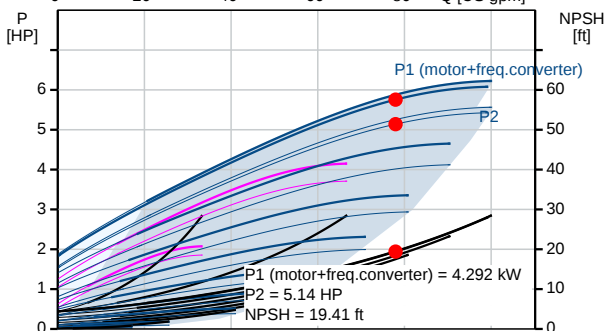
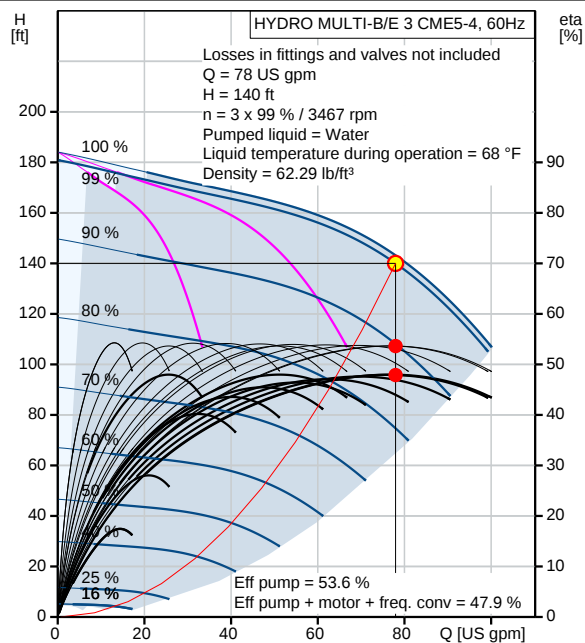
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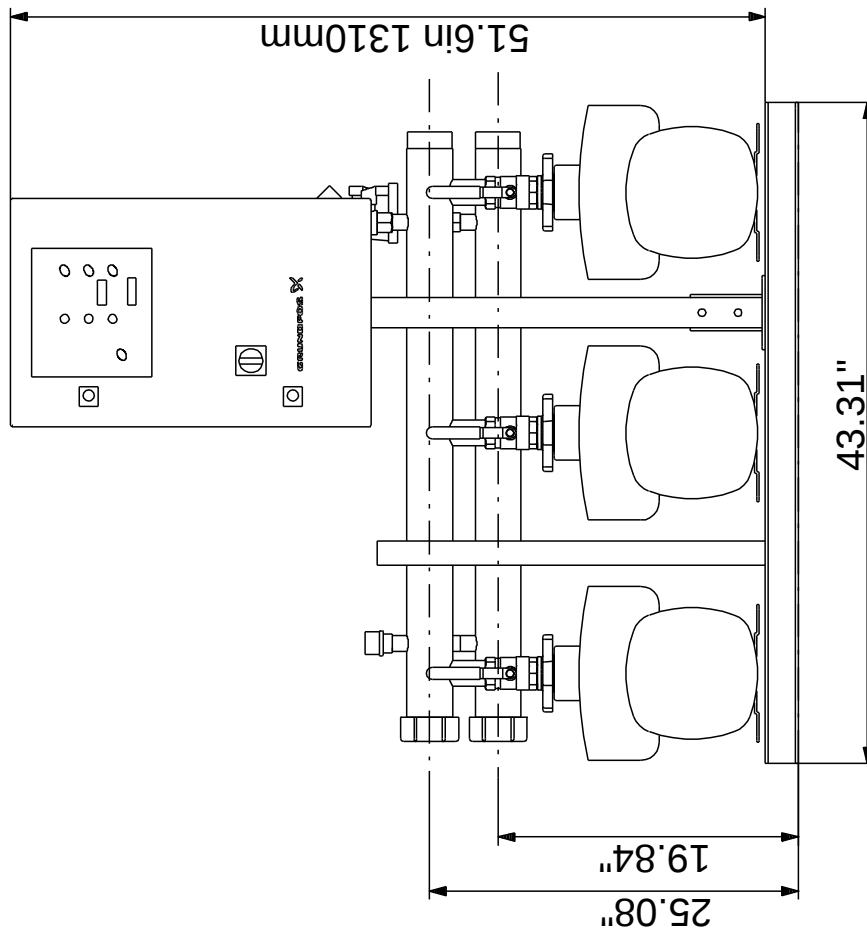
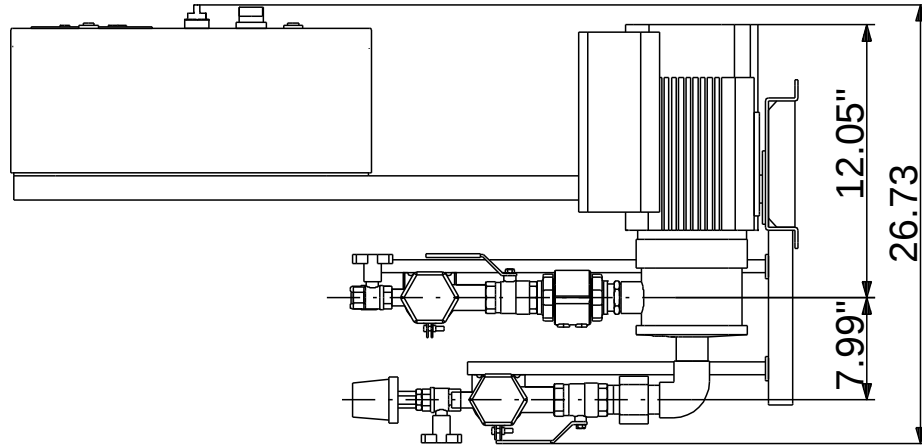
3/7/2019

Count	Description
	Rated Head: 145 ft Liquid temperature: 0 – 140 °F Max Pressure : 145 psi Pump Material: EN-GJL-200 Shaft Seal: AQQE (SiC/SiC/EPDM) Mains Supply: 208-230 V Starting Method CME pump: electronically Power of CME pump: 2 HP Size of manifold connection: 2NPT Net Weight: 363 lb Gross Weight: 586 lb

Description	Value
General information:	
Product name:	HYDRO MULTI-B/E 3 CME5-4
Product No.:	91149112
EAN:	5711490041217
Technical:	
Actual calculated flow:	78 US gpm
Min flow system:	7.04 US gpm
Resulting head of the pump:	140 ft
Head max:	174.9 ft
Main pump name:	CME5-4
Main pump Number:	99450843
Number of pumps:	3
Model:	A
Materials:	
Pump:	EN-GJL-200
Manifolds:	EN/DIN 1.4571/ AISI 316 TI
Installation:	
Maximum operating pressure:	145 psi
Pipe connection:	2NPT
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:	2 HP
Main frequency:	60 Hz
Rated voltage:	3 x 208-230 V
Starting main:	electronically
Rated current of system:	16.8 A
Controls:	
Control type:	E
Operation unit:	CU323-3
Tank:	
Diaphragm tank:	No
Others:	
Net weight:	363 lb
Gross weight:	586 lb
Product range:	NAMREG
Custom tariff no.:	8413.70.2040



91149112 HYDRO MULTI-B/E 3 CME5-4 60 Hz



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