

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:	Devin Carle-Hurley Engineering	DATE:	_____
CONTRACTOR:	To Be Determined	APPROVED BY:	_____	DATE:	_____
		ORDER NO.:	800-861-7122	DATE:	_____



Product photo could vary from the actual product

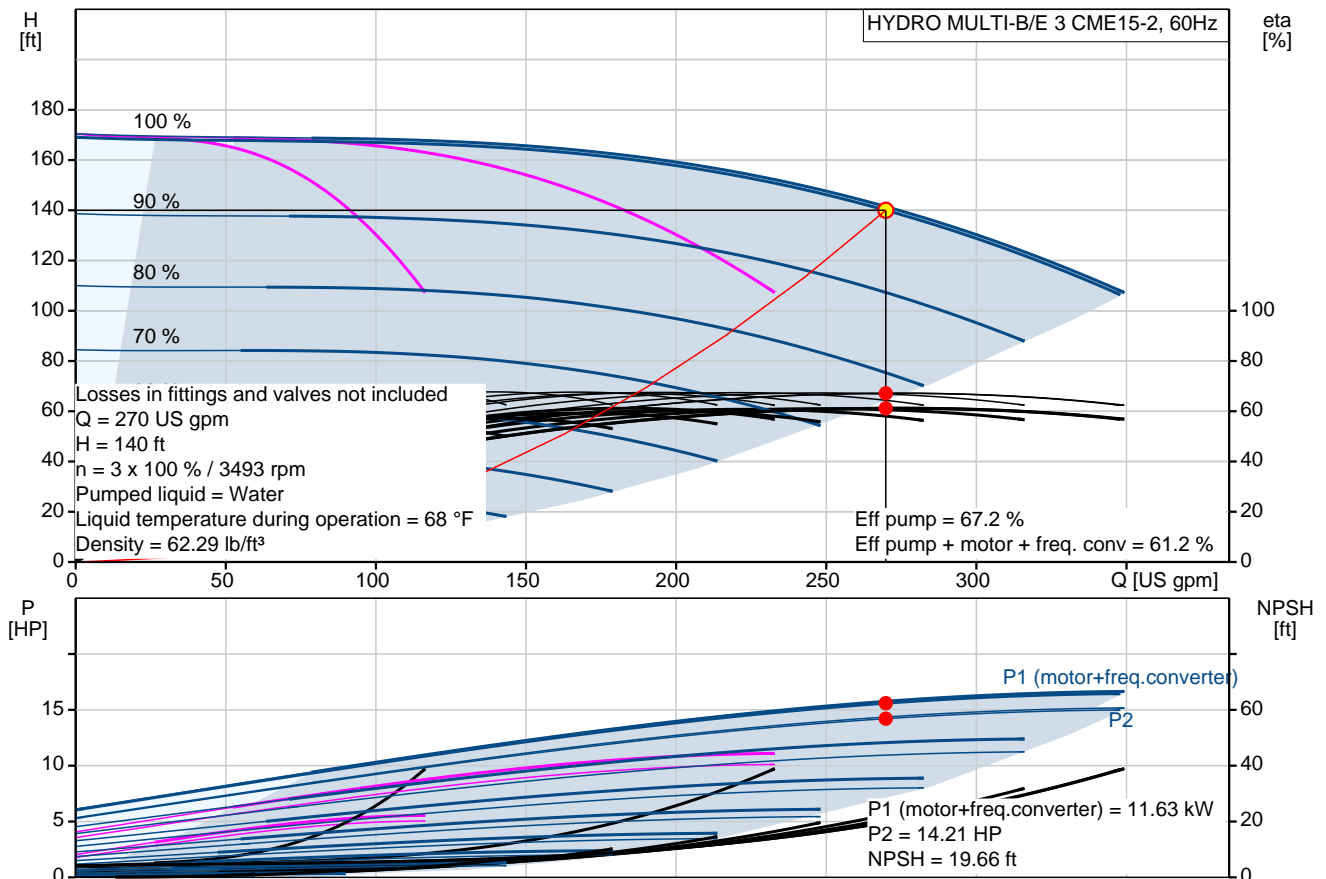
HYDRO MULTI-B/E 3 CME15-2

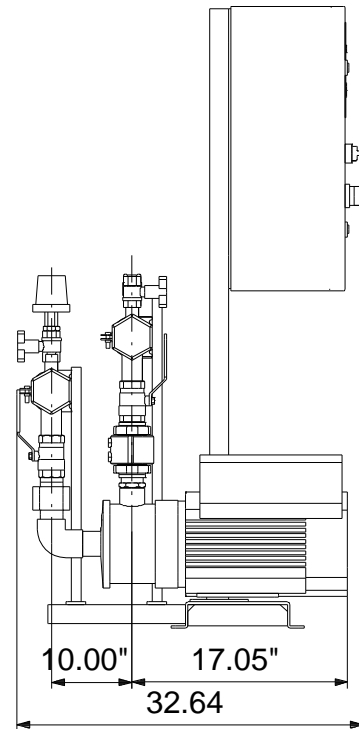
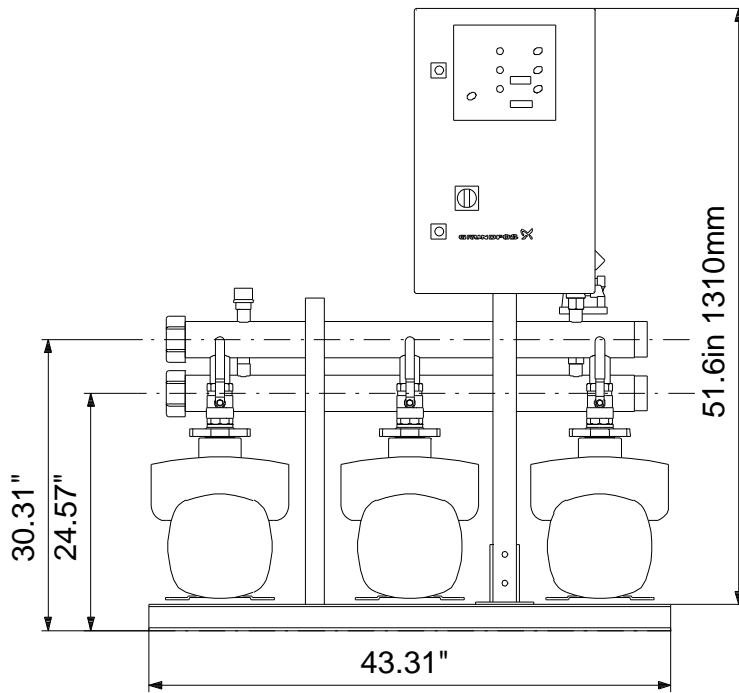
Booster systems with frequency-controlled pumps



HURLEY ENGINEERING
MANUFACTURERS REPRESENTATIVES

Conditions of Service		Pump Data		Motor Data	
Flow:	270 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:	61.2 %	Pipe connection:	4ANSI		
Liquid:	Water	Product number:	91149121		
Temperature:	68 °F				
NPSH required:	19.66 ft				
Viscosity:	_____				
Specific Gravity:	1.000				






Materials:

Pump: EN-GJL-200

Manifolds: EN/DIN 1.4571/ AISI 316 TI

Count	Description
1	<p data-bbox="225 340 582 362">HYDRO MULTI-B/E 3 CME15-2</p>  <p data-bbox="619 734 1072 757">Product photo could vary from the actual product</p> <p data-bbox="225 766 491 788">Product No.: 91149121</p> <p data-bbox="225 795 1444 878">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.</p> <p data-bbox="225 913 1401 967">All pumps are Grundfos CME pumps with integrated frequency drives connected in parallel and operated in cascade.</p> <p data-bbox="225 1003 1433 1057">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.</p> <p data-bbox="225 1093 486 1124">The system consists of:</p> <ul data-bbox="225 1146 1264 1326" style="list-style-type: none">-3 horizontal multistage pumps with integrated frequency converter, type CME15-2-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. <p data-bbox="225 1361 450 1393">Optional equipment:</p> <ul data-bbox="225 1393 912 1706" style="list-style-type: none">-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 <p data-bbox="225 1742 370 1774">Accessories:</p> <ul data-bbox="225 1774 545 1863" style="list-style-type: none">-Level Switch 5 meter cable-Level Switch 10 meter cable-Extra documentation <p data-bbox="225 1899 817 1930">Functions and features of the CU323 Pump controller:</p> <ul data-bbox="225 1930 651 2101" style="list-style-type: none">-Constant pressure control-Automatic cascade control-Automatic alternation between pumps-Stop function-High Pressure Protection-Sensor Fault Protection



Company name:

Created by:

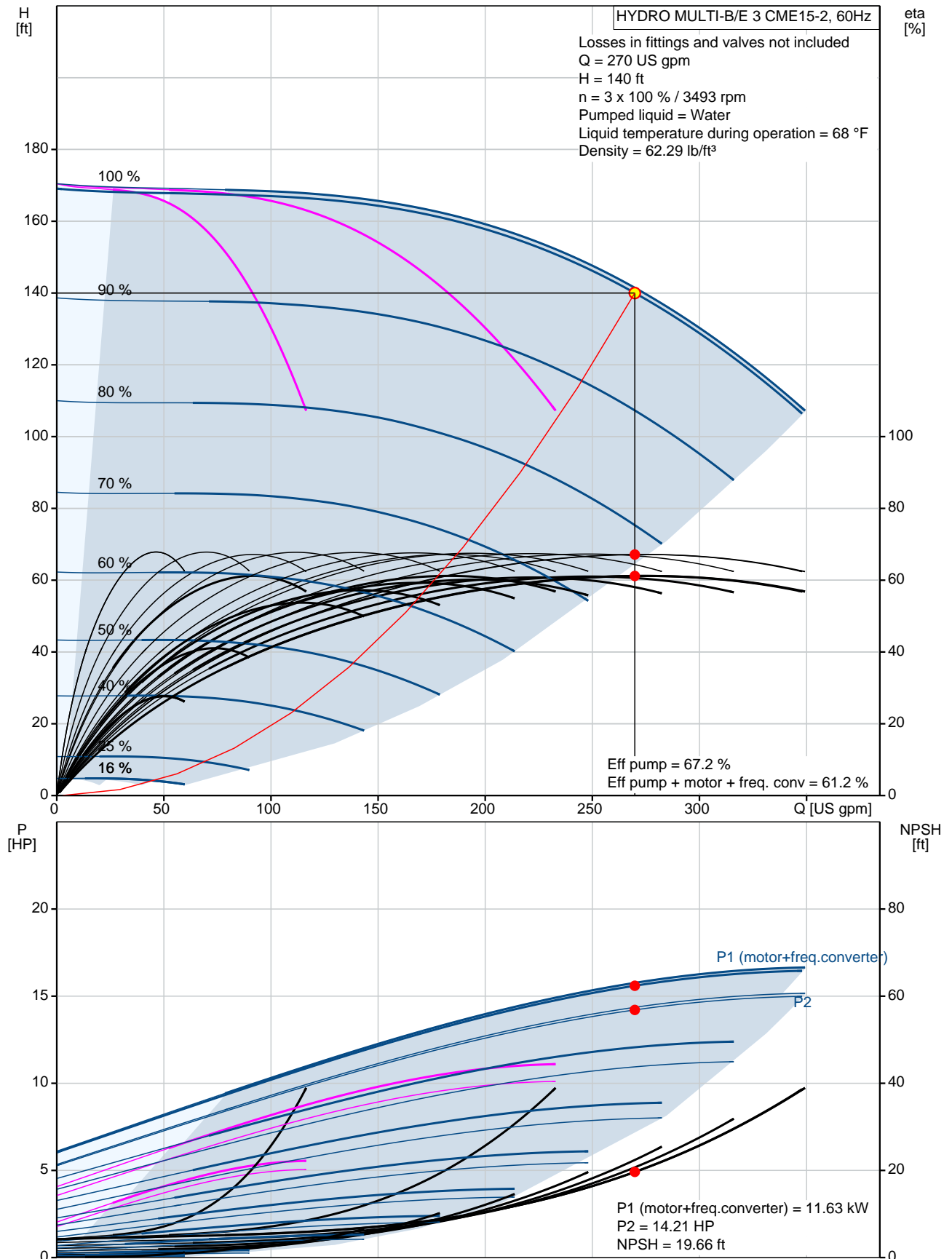
Phone:

Date:

2/8/2019

Count	Description								
	<ul style="list-style-type: none">-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><tr><td>Rated Flow:</td><td>269 US gpm</td></tr><tr><td>Rated Head:</td><td>140.1 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>	Rated Flow:	269 US gpm	Rated Head:	140.1 ft	Liquid temperature:	0 – 140 °F	Max Pressure	: 145 psi
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91149121 HYDRO MULTI-B/E 3 CME15-2 60 Hz



Description	Value
General information:	
Product name:	HYDRO MULTI-B/E 3 CME15-2
Product No.:	91149121
EAN:	5711490038729
Technical:	
Actual calculated flow:	270 US gpm
Min flow system:	26.4 US gpm
Resulting head of the pump:	140 ft
Head max:	162.7 ft
Main pump name:	CME15-2
Main pump Number:	99450847
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:	4ANSI
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:	5 HP
Main frequency:	60 Hz
Rated voltage:	3 x 208-230 V
Starting main:	electronically
Rated current of system:	59.1 A
Controls:	
Control type:	E
Operation unit:	CU323-3
Tank:	
Diaphragm tank:	No
Others:	
Net weight:	628 lb
Gross weight:	850 lb
Product range:	NAMREG
Custom tariff no.:	8413.70.2040

