

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

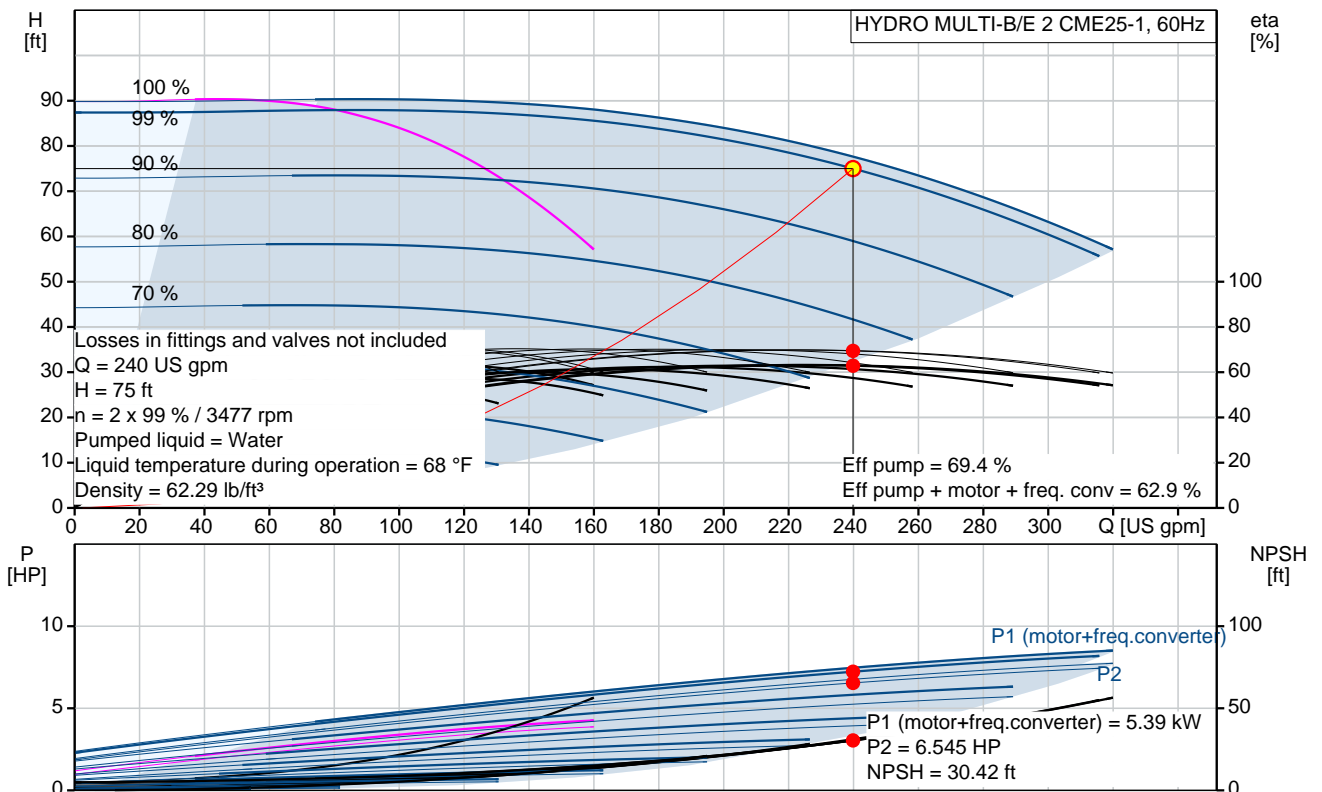
## HYDRO MULTI-B/E 2 CME25-1

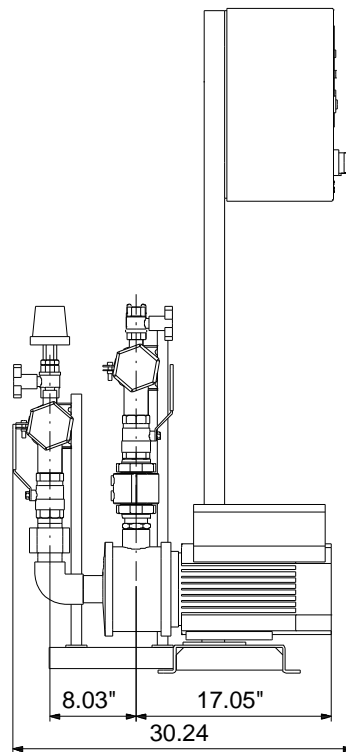
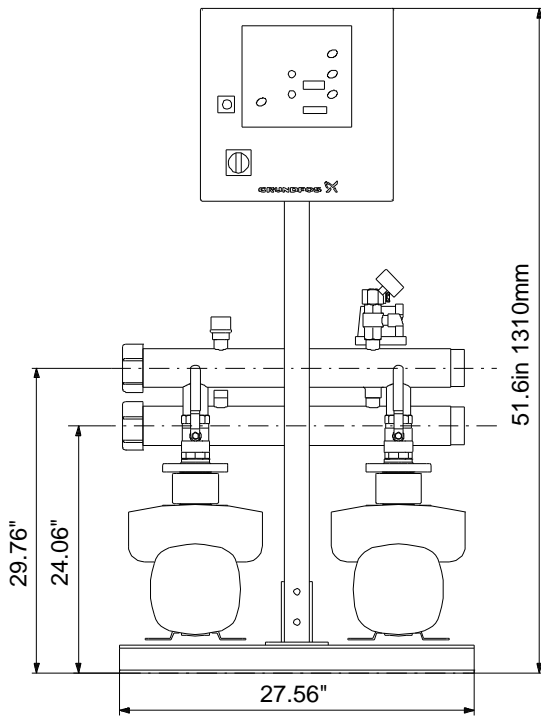
Booster systems with frequency-controlled pumps



**HURLEY ENGINEERING**  
MANUFACTURERS REPRESENTATIVES

Conditions of Service		Pump Data		Motor Data	
Flow:	240 US gpm	Maximum operating pressure:	145 psi	Rated voltage:	208-230 V
Head:	75 ft	Liquid temperature range:	32 .. 140 °F	Main frequency:	60 Hz
Efficiency:	62.9 %	Pipe connection:	4ANSI		
Liquid:	Water	Product number:	99184377		
Temperature:	68 °F				
NPSH required:	30.42 ft				
Viscosity:	_____				
Specific Gravity:	1.000				





**Materials:**

Pump: EN-GJL-200

Manifolds: EN/DIN 1.4571/ AISI 316 TI

Count	Description
1	<p><b>HYDRO MULTI-B/E 2 CME25-1</b></p>  <p>Product photo could vary from the actual product</p> <p>Product No.: <a href="#">99184377</a> 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>All pumps are Grundfos CME pumps with integrated frequency drives connected in parallel and operated in cascade.</p> <p>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>The system consists of:</p> <ul style="list-style-type: none"><li>-2 horizontal multistage pumps with integrated frequency converter, type CME25-1</li><li>-A suction and a discharge manifold in EN/DIN 1.4571/ AISI 316 TI</li><li>-One non-return valve per pump placed on the discharge side as standard.</li><li>-Two isolating valves and a clamp ring per pump for easy service and inspection of the pumps.</li><li>-Pressure sensor and gauge.</li><li>-CU323 Pump controller for controlling parallel coupled pumps in cascade.</li></ul> <p>Optional equipment:</p> <ul style="list-style-type: none"><li>-Redundant Primary Sensor</li><li>-Water Shortage Protection</li><li>-Non return valve on suction side.</li><li>-Communication Modules for LON, BACnet, Modbus and GSM</li><li>-Phase Failure monitoring</li><li>-Beacon</li><li>-Audible alarm</li><li>-External transformer</li><li>-High / Low Level alarm</li><li>-System in operation indicating lamp</li><li>-Alarm indicating lamp</li></ul> <p>Accessories:</p> <ul style="list-style-type: none"><li>-Level Switch 5 meter cable</li><li>-Level Switch 10 meter cable</li><li>-Extra documentation</li></ul> <p>Functions and features of the CU323 Pump controller:</p> <ul style="list-style-type: none"><li>-Constant pressure control</li><li>-Automatic cascade control</li><li>-Automatic alternation between pumps</li></ul>



Company name:

Created by:

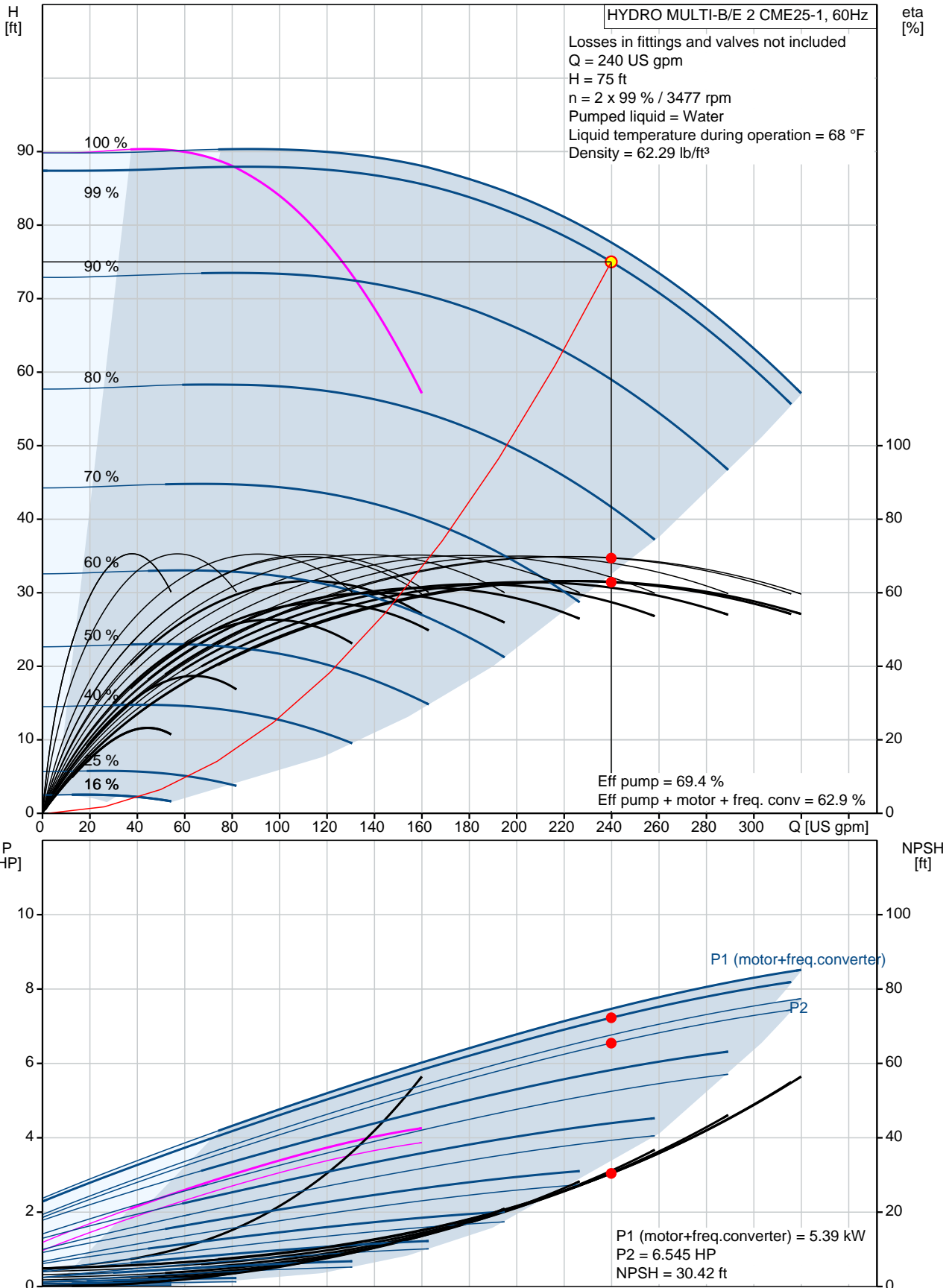
Phone:

Date:

2/8/2019

Count	Description
	<ul style="list-style-type: none"><li>-Stop function</li><li>-High Pressure Protection</li><li>-Sensor Fault Protection</li><li>-Motor Protection</li><li>-Standby pumps</li><li>-Automatic Display Lock</li><li>-External Start / Stop (potential free contacts)</li><li>-Easy to use HMI with 2 displays for set-point and process value</li><li>-2 digital outputs,</li><li>-Auto / manual control of pumps</li><li>-Optional bus communication</li><li>-Optional Safe Tank filling sequence</li><li>-Optional monitoring of inlet pressure by means of inlet sensor</li></ul>
	Technical data: Rated Flow: 232 US gpm Rated Head: 76.45 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: 5 HP
	Size of manifold connection: 4ANSI Net Weight: 465 lb Gross Weight: 688 lb

## 99184377 HYDRO MULTI-B/E 2 CME25-1 60 Hz



Description	Value
<b>General information:</b>	
Product name:	HYDRO MULTI-B/E 2 CME25-1
Product No.:	99184377
EAN:	5712608283314
<b>Technical:</b>	
Actual calculated flow:	240 US gpm
Min flow system:	26.4 US gpm
Resulting head of the pump:	75 ft
Head max:	84.98 ft
Main pump name:	CME25-1
Main pump Number:	99450835
Number of pumps:	2
Model:	A
<b>Materials:</b>	
Pump:	EN-GJL-200
Manifolds:	EN/DIN 1.4571/ AISI 316 TI
<b>Installation:</b>	
Maximum operating pressure:	145 psi
Pipe connection:	4ANSI
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	32 .. 140 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft <sup>3</sup>
<b>Electrical data:</b>	
Power (P2) main pump:	5 HP
Main frequency:	60 Hz
Rated voltage:	3 x 208-230 V
Starting main:	electronically
Rated current of system:	26.8 A
<b>Controls:</b>	
Control type:	E
Operation unit:	CU323-2
<b>Tank:</b>	
Diaphragm tank:	No
<b>Others:</b>	
Net weight:	465 lb
Gross weight:	688 lb
Product range:	NAMREG

