

PROJECT:	CMBE Twin 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:	

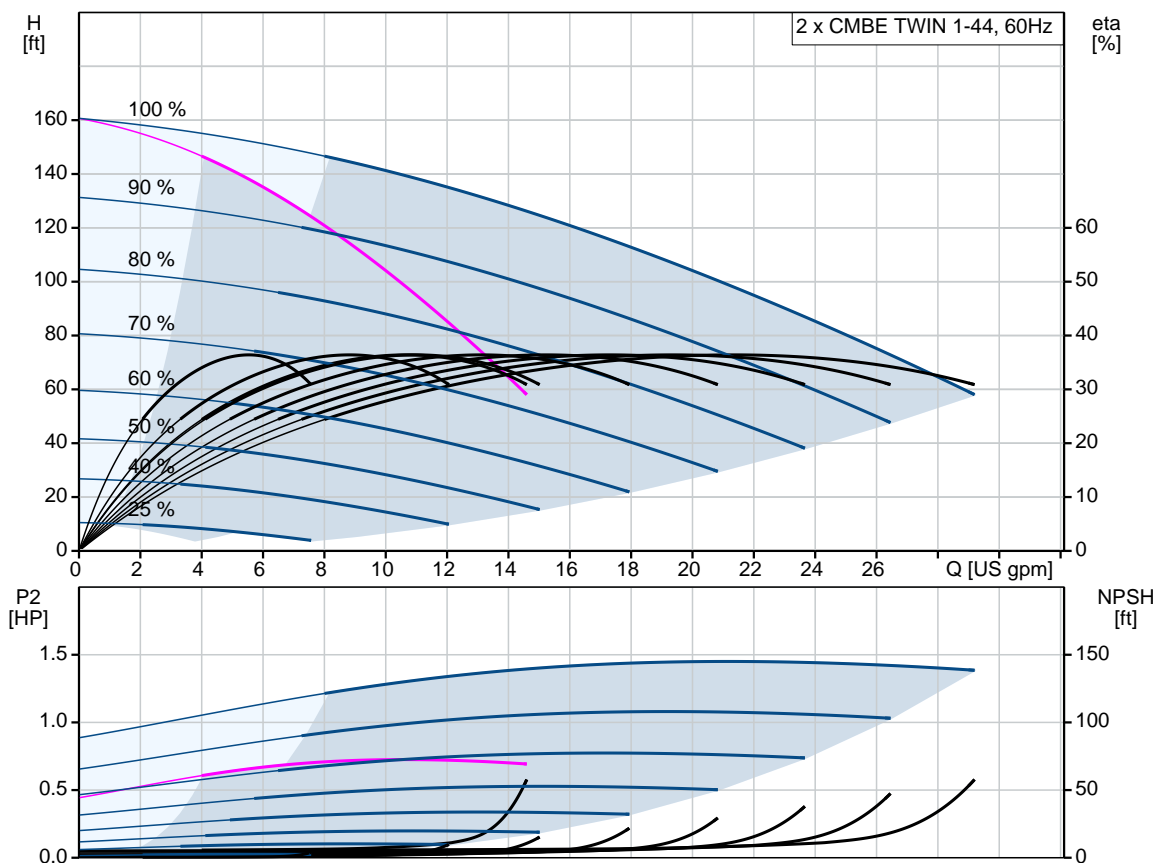


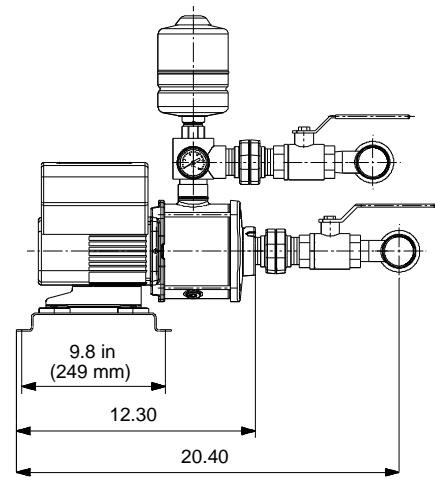
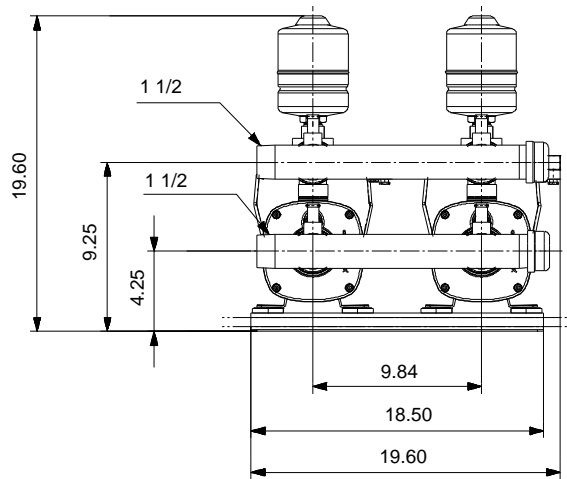
Product photo could vary from the actual product

CMBE TWIN 1-44 I-X-C-B-D-G

The CMBE TWIN booster systems consist of two to four Grundfos CMBE booster connected in parallel, designed for the transfer and pressure boosting of clean water.

Conditions of Service	Pump Data	Motor Data
Flow: _____	Liquid temperature range: 32 .. 140 °F	Rated power - P2: 1 HP
Head: _____	Maximum ambient temperature: 104 °F	Rated voltage: 115 V
Efficiency: _____	Shaft seal: AQQE	Main frequency: 60 Hz
Liquid: Water	Flange standard: INTERNAL NPT THREAD	Insulation class: F
Temperature: 68 °F	Product number: 99503861	
NPSH required: ft		
Viscosity: _____		
Specific Gravity: 1.000		



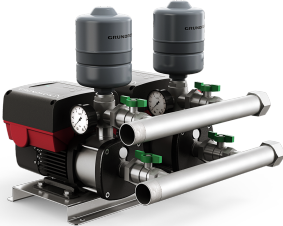


Materials:

Pump housing: Stainless steel
EN 1.4301
AISI 304

Impeller: Stainless steel
DIN W.-Nr. 1.4301
AISI 304

Rubber: EPDM

Count	Description
1	<p>CMBE TWIN 1-44 I-X-C-B-D-G</p>  <p>Product photo could vary from the actual product</p> <p>Product No.: 99503861</p> <p>The Grundfos CMBE TWIN Booster is a compact two-booster system for water supply in domestic and commercial applications. The integrated speed controller allows the CMBE Booster to maintain constant pressure in the pipe system. A pressure sensor monitoring changes in the water consumption will signal the speed controller to change the motor speed. This way performance is adjusted according to the new state, thus running in cascade multi pump. The cascade control ensures that the performance of the CMBE Booster is automatically adapted to consumption by switching pumps on or off and by changing the speed of the pumps in operation. The system thus runs as energy-efficiently as possible with a limited number of pumps. The CMBE-TWIN Booster is very easy to install. It has UL approval.</p> <p>The CME Booster consists of 2 units of CMBE Booster which each include</p> <ul style="list-style-type: none"> 5-way valve expansion tank pressure gauge Pressure sensor <p>Features</p> <ul style="list-style-type: none"> Cascade multi pump operation Automatic pump alternation Constant pressure control Pipe filling Compact design Robust, stainless steel Easy installation (Plug & Pump) Dry run protection <p>Applications</p> <ul style="list-style-type: none"> Apartment buildings Schools Small hotels Office buildings Agriculture <p>Thermal protection CME Booster pumps require no external motor protection. The MGE motor incorporates thermal protection against slow overloading and blocking (IEC 34.11: TP211).</p> <p>NB: Suction lift: Max. 1 m, including suction-pipepressure loss at a liquid temperature of +20 °C. (not self-priming)</p>



Company name: Hurley Engineering

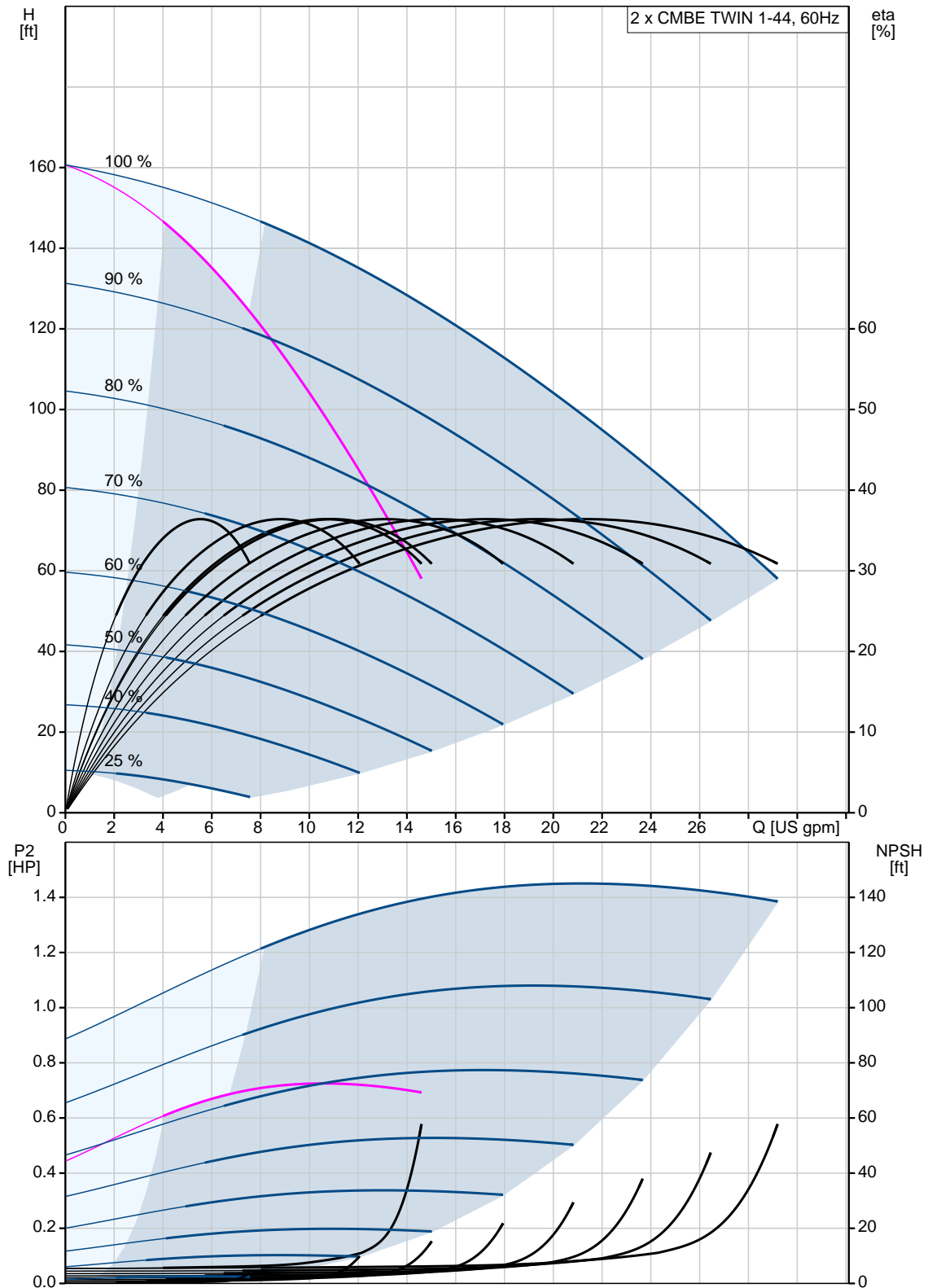
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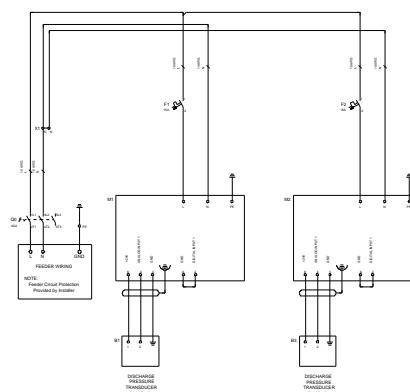
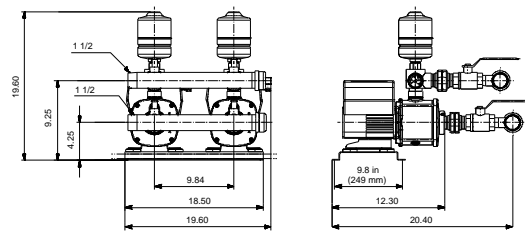
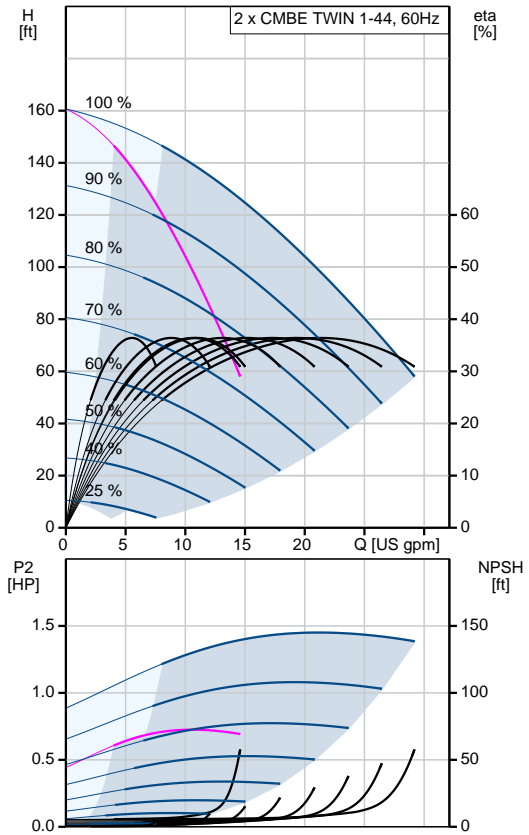
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Count	Description
	<p>Liquid:</p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: 32 .. 140 °F</p> <p>Selected liquid temperature: 68 °F</p> <p>Density: 62.29 lb/ft³</p> <p>Technical:</p> <p>Pump speed on which pump data is based: 3780 rpm</p> <p>Primary shaft seal: AQQE</p> <p>Approvals and markings: CULUS</p> <p>Curve tolerance: ISO9906:2012 3B</p> <p>Start pressure: Integrated Frequency converter</p> <p>Materials:</p> <p>Pump housing: Stainless steel EN 1.4301 AISI 304</p> <p>Impeller: Stainless steel DIN W.-Nr. 1.4301 AISI 304</p> <p>Rubber: EPDM</p> <p>Installation:</p> <p>Maximum ambient temperature: 104 °F</p> <p>Flange standard: INTERNAL NPT THREAD</p> <p>Pump inlet: NPT1 1/2</p> <p>Pump outlet: NPT 1 1/2</p> <p>Electrical data:</p> <p>Rated power - P2: 1 HP</p> <p>Main frequency: 60 Hz</p> <p>Rated voltage: 1 x 115 V</p> <p>Insulation class (IEC 85): F</p> <p>Type of cable plug: FUSE</p> <p>Mains cable: 4.92 ft</p> <p>Tank:</p> <p>Tank volume: 1.057 gal</p> <p>Others:</p> <p>Net weight: 120 lb</p> <p>Gross weight: 228 lb</p>

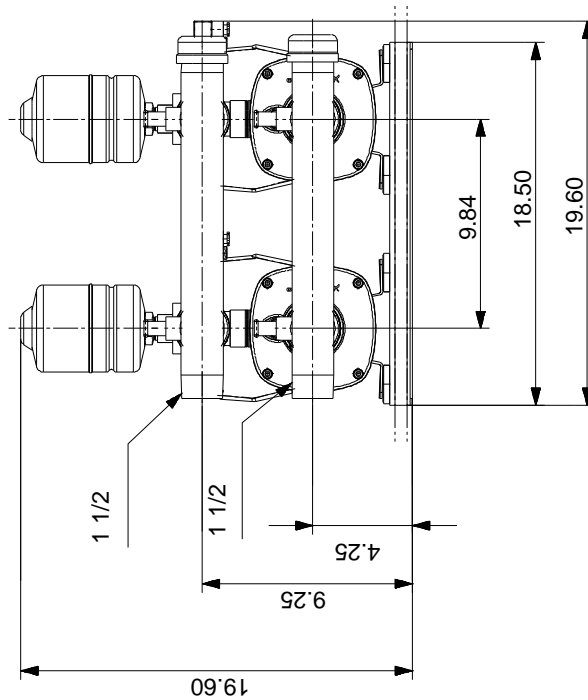
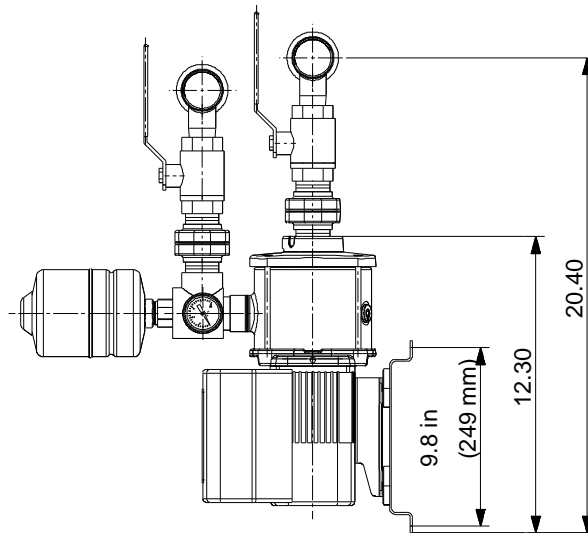
99503861 CMBE TWIN 1-44 I-X-C-B-D-G 60 Hz



Description	Value
General information:	
Product name:	CMBE TWIN 1-44 I-X-C-B-D-G
Product No.:	99503861
EAN:	5713830163696 5713830163696
Technical:	
Pump speed on which pump data is based:	3780 rpm
Impellers:	3
Primary shaft seal:	AQQE
Approvals and markings:	CULUS
Curve tolerance:	ISO9906:2012 3B
Number of pumps:	2
Model:	A
Start pressure:	Integrated Frequency converter
Materials:	
Pump housing:	Stainless steel EN 1.4301
Impeller:	Stainless steel DIN W.-Nr. 1.4301
Rubber:	EPDM
Installation:	
Maximum ambient temperature:	104 °F
Flange standard:	INTERNAL NPT THREAD
Pump inlet:	NPT1 1/2
Pump outlet:	NPT 1 1/2
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	32 .. 140 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Rated power - P2:	1 HP
Main frequency:	60 Hz
Rated voltage:	1 x 115 V
p max system:	145.04 psi
Insulation class (IEC 85):	F
Type of cable plug:	FUSE
Mains cable:	4.92 ft
Tank:	
Tank volume:	1.057 gal
Others:	
Net weight:	120 lb
Gross weight:	228 lb
Sales region:	Namreg
Config. file no:	99442906



99503861 CMBE TWIN 1-44 I-X-C-B-D-G 60 Hz



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

