


Count	Description
1	<p data-bbox="300 414 837 443"><b>HYDRO MPC E 2CRE32-2-1 3x460V 60HZ CAT</b></p> <div data-bbox="335 504 654 817" style="text-align: center;">  </div> <p data-bbox="694 840 1149 869" style="text-align: center;">Product photo could vary from the actual product</p> <p data-bbox="300 873 566 902">Product No.: <a href="#">95058725</a></p> <p data-bbox="300 929 1316 1008">Pressure booster system supplied as compact packaged assembly certified and listed by UL (Category QCZJ - Packaged Pumping Systems) for conformance to U.S. and Canadian Standards.</p> <p data-bbox="300 1041 1252 1108">All pumps are speed-controlled.                      Each pump is equipped with an integrated variable frequency drive motor (MLE motor).</p> <ul data-bbox="335 1131 1364 1310" style="list-style-type: none"> <li>- Hydro MPC-E maintains constant pressure through continuous adjustment of the speed of the pumps.</li> <li>- The system performance is adapted to the demand through cutting in/out the required number of pumps and through parallel control of the pumps in operation.</li> <li>- Pump changeover is automatic and depends on load, operating hours and fault.</li> <li>- All pumps in operation will run at equal speed.</li> </ul> <p data-bbox="300 1366 694 1400">The system consists of these parts:</p> <ul data-bbox="335 1400 1380 1478" style="list-style-type: none"> <li>- 2 vertical multistage centrifugal pumps, type CRE32-2-1.</li> <li>- Pump rotating parts in contact with the pumped liquid are made of ANSI 304 stainless steel as standard and ANSI 316 stainless steel as an option.</li> </ul> <p data-bbox="300 1489 1292 1545">Pump bases and pump heads are made of cast iron (Class 30) as standard and ANSI 316 stainless steel as an option.</p> <p data-bbox="300 1545 1332 1601">The pumps are equipped with the service-friendly cartridge type mechanical shaft seal HQQE (SiC/SiC/EPDM).</p> <ul data-bbox="335 1601 1284 1758" style="list-style-type: none"> <li>- Suction manifold and discharge manifold made of 316 stainless steel.</li> <li>- Base frame made of 304 stainless steel.</li> <li>- One non-return valve (check valve), and two isolating valves for each pump.</li> <li>- Adapter with isolating valve for connection of diaphragm tank.</li> <li>- Pressure gauge and pressure transducer on each suction and discharge manifold.</li> </ul> <p data-bbox="300 1758 1252 1792">Dry-running protection is standard with use of pressure transducer on suction manifold.</p> <ul data-bbox="335 1792 1380 1870" style="list-style-type: none"> <li>- Control MPC in a NEMA 4 steel control panel enclosure including main disconnect switch, all required fuses, motor protection, switching equipment and microprocessor-controlled CU 351.</li> </ul> <p data-bbox="300 1892 798 1926">Diaphragm tank is available as an accessory.</p> <p data-bbox="300 1960 1204 1993">Pump operation is controlled by Control MPC with the following features/functions:</p> <ul data-bbox="335 1993 351 2027" style="list-style-type: none"> <li>-</li> </ul>



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Count	Description
	<p>Advanced multi-pump controller (CU 351), specifically designed to control parallel operation of multiple pumps</p> <ul style="list-style-type: none"> <li>- PID controller with adjustable PI parameters (Kp + Ti)</li> <li>- Constant pressure at setpoint, independent of inlet pressure</li> <li>- Stop function (no flow shutdown)</li> <li>- Automatic cascade control of pumps for optimum efficiency.</li> <li>- Selection of min. time between start/stop, automatic pump changeover and pump priority</li> <li>- Automatic pump test function to prevent idle pumps from seizing up</li> <li>- Standby pump allocation capability</li> <li>- Redundant primary sensor capability</li> <li>- Manual operation</li> <li>- Proportional pressure control</li> <li>- Forced pump changeover</li> <li>- Clock program</li> <li>- Soft pressure build-up</li> <li>- External setpoint influence (via analog input)</li> <li>- Emergency run (via digital input)</li> <li>- Password protection</li> <li>- Possibility of digital remote-control functions (via digital inputs):             <ul style="list-style-type: none"> <li>• system on/off</li> <li>• max., min. or user-defined duty</li> <li>• up to 6 alternative setpoints.                 <ul style="list-style-type: none"> <li>- Digital inputs and outputs can be configured individually</li> <li>- Pump and system monitoring functions:</li> </ul> </li> <li>• minimum and maximum limits of current value (flow, level, temp., etc.)</li> <li>• inlet pressure</li> <li>• motor protection</li> <li>• high system pressure</li> <li>• low system pressure</li> <li>• pump curve data loaded into controller to provide end of curve protection</li> <li>• alarm log with the previous 24 warnings/alarms                 <ul style="list-style-type: none"> <li>- Display and indication functions:</li> </ul> </li> <li>• 320 x 240 pixels graphical display with backlight</li> <li>• green indicator light for operating indications and red indicator light for fault indications</li> <li>• potential-free changeover contacts for operation and fault.                 <ul style="list-style-type: none"> <li>- Grundfos bus communication with optional gateway connections for LON, Modbus, Profibus, BACnet, GSM</li> <li>- Ethernet connection (built-in web server)</li> </ul> </li> </ul> </li> </ul> <p>Pre-fabricated and tested packaged pump system including pumps, piping, and wiring complete with Control MPC.</p> <p>Flow media: Water            System pressure max.: 232.06 psi            Flow (Plant): 422 US gpm            Flow without one stand-by pump acc. DIN 1988/T5: 422 US gpm            Flow (Pump): 252 US gpm            Head: 144 ft            Mains supply: 3X460-480V, 60 Hz            Nom. current of plant: 20.8 A            Number of main pumps: 2            Nominal power: 7.51 HP            Suction port: 102            Discharge port: 102</p>



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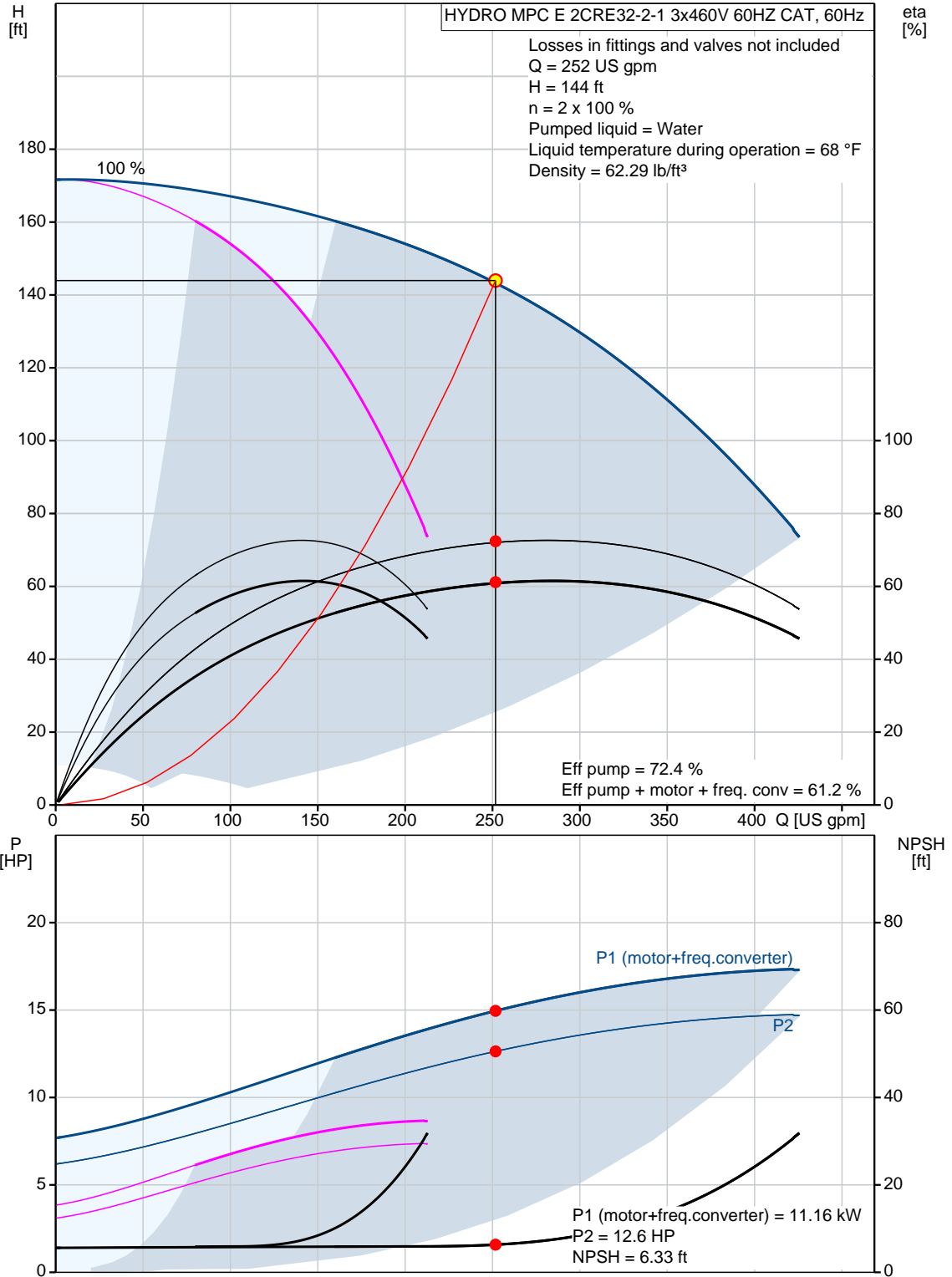
Count	Description
	Net weight: 783 lb



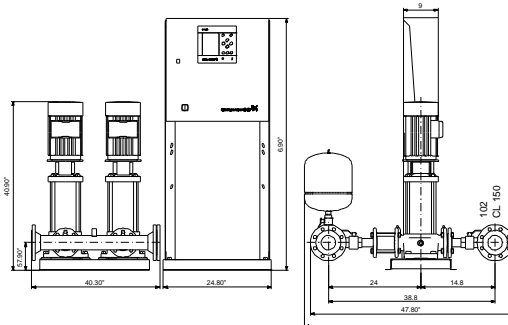
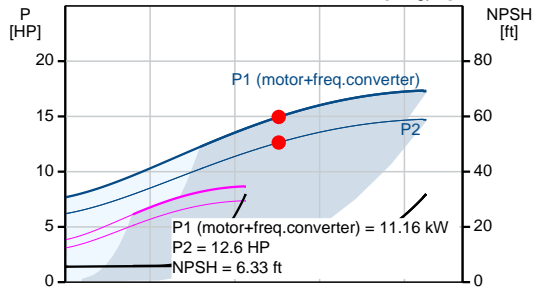
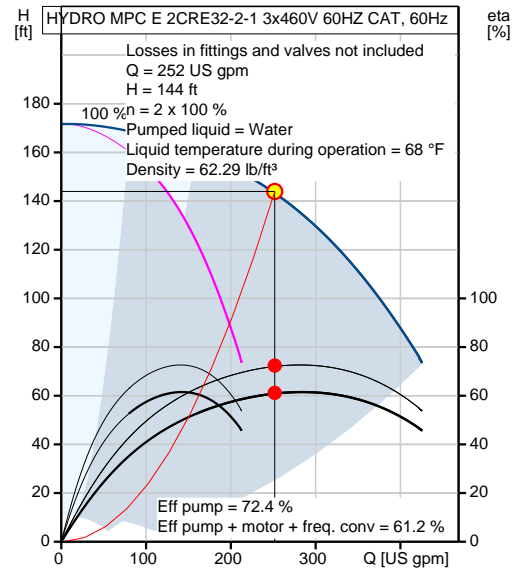
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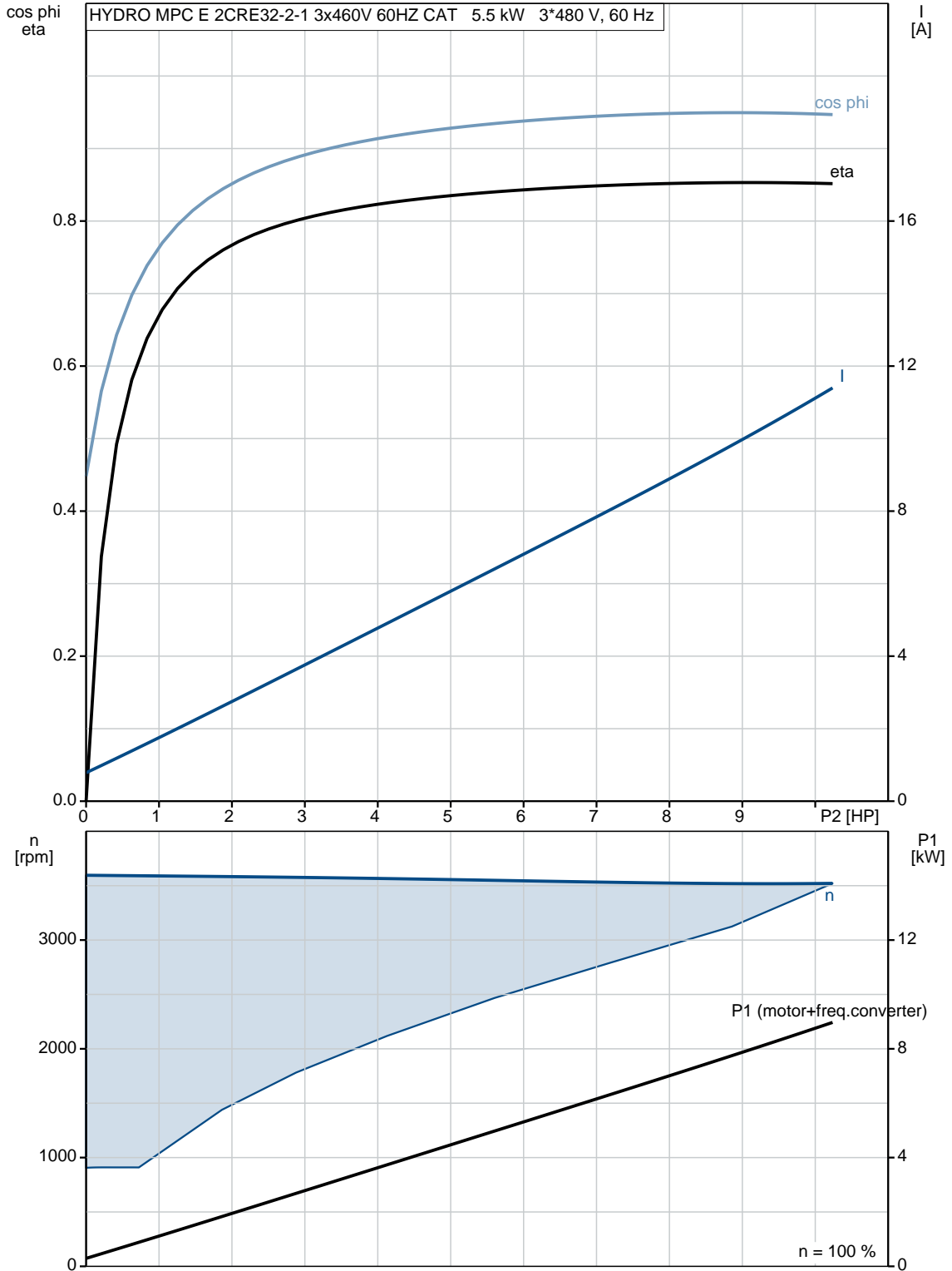
# 95058725 HYDRO MPC E 2CRE32-2-1 3x460V 60HZ CAT 60 Hz



Description	Value
<b>General information:</b>	
Product name:	HYDRO MPC E 2CRE32-2-1 3x460V 60HZ CAT
Product No.:	95058725
EAN:	5710629505149
	5710629505149
<b>Technical:</b>	
Actual calculated flow:	252 US gpm
Max flow:	422 US gpm
Max flow system:	422 US gpm
Resulting head of the pump:	144 ft
Head max:	168 ft
Impellers main:	2
Main pump name:	CRE32-2-1
Main pump Number:	97765469
Number of pumps:	2
Non-ret. valve:	at discharge side
<b>Installation:</b>	
Maximum operating pressure:	232.06 psi
Maximum permissible inlet pressure:	58.02 psi
Flange standard:	ANSI
Pump inlet:	102
Pump outlet:	102
Pressure stage:	CL 150
<b>Liquid:</b>	
Pumped liquid:	Water
Maximum liquid temperature:	140 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft <sup>3</sup>
<b>Electrical data:</b>	
Power (P2) main pump:	7.51 HP
Main frequency:	60 Hz
Rated voltage:	3 x 3X460-480V, 60 Hz
Rated current of system:	20.8 A
Enclosure class (IEC 34-5):	UL Type 3R/12
<b>Controls:</b>	
Control type:	E
Operation unit:	CU 352
<b>Tank:</b>	
Diaphragm tank:	No
<b>Others:</b>	
Net weight:	783 lb
Language:	EN
Product range:	NAMREG
Configuration file Hydro MPC:	98272054
Country of origin:	US
Custom tariff no.:	8413.70.2040



**95058725 HYDRO MPC E 2CRE32-2-1 3x460V 60HZ CAT 60 Hz**

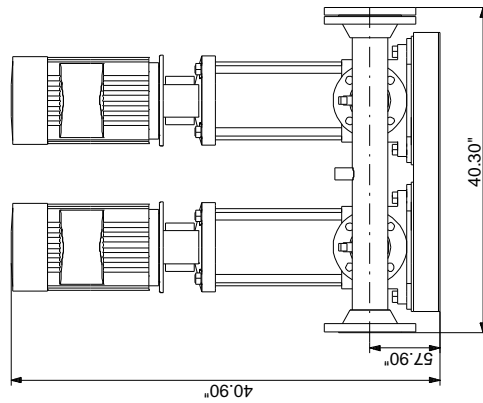
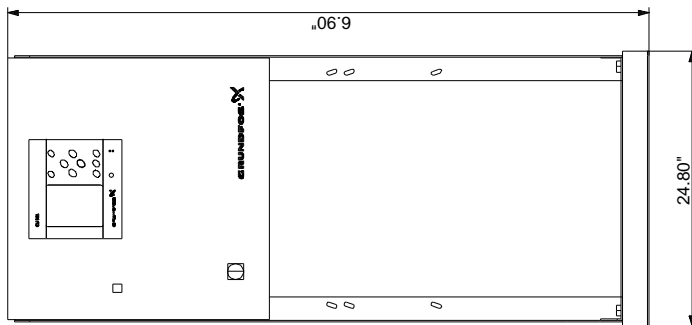
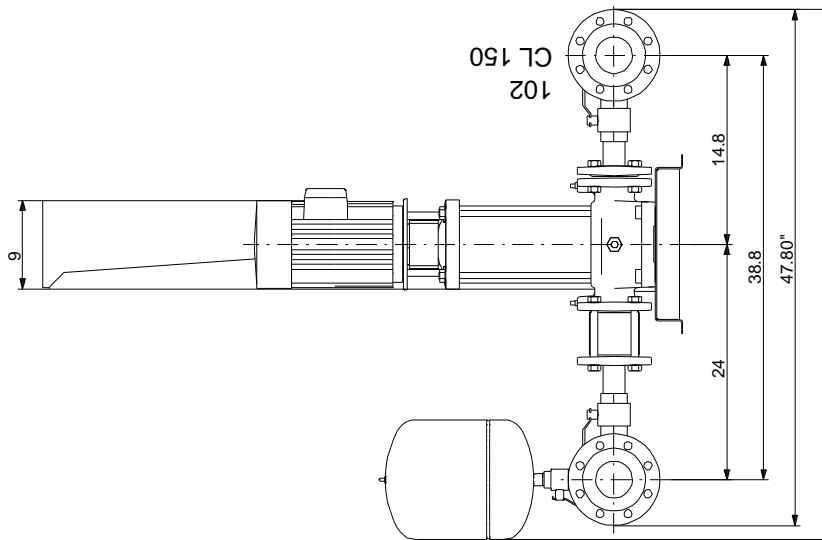




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Note! All units are in [in] unless otherwise stated.  
Disclaimer: This simplified dimensional drawing does not show all details.