

**Cant.    Descriere**1    **HYDRO MPC-E 2 CRIE10-3****Not ! Poza de produs poate diferi de produsul actual**Nr. Produs: [98389644](#)

Pressure booster system supplied as compact assembly according to DIN standard 1988/T5.

All pumps are speed-controlled.

From 0.37 to 11 kW, the booster system is equipped with CR, CRE, CRI, CRIE pumps with electronically commutated permanent-magnet motors with extremely high efficiency. The total efficiency of the motor including the frequency converter applies to IE5 level in IEC60034-31.

From 15 to 22 kW, the booster system is equipped with CR, CRE, CRI, CRIE pumps with motors with integrated frequency control. The total efficiency of the motor including the frequency converter is better than the IE3 level in IEC60034-31, even though this standard only applies to the motor.

- \* Hydro MPC-E maintains a constant pressure through continuous adjustment of the speed of the pumps.
- \* 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.
- \* Pump changeover is automatic and depends on load, time and fault.

The system consists of these parts:

- \* Pump parts in contact with the pumped liquid are made of stainless steel EN DIN 1.4301
- \* Pump bases and heads are of either cast iron/stainless steel (CRI) or cast iron EN-GJS-500-7 (CR), depending on pump type; other vital parts are made of stainless steel EN DIN 1.4301
- \* The pumps are equipped with a service-friendly cartridge shaft seal, HQQE (SiC/SiC/EPDM)
- \* Two stainless steel manifolds to EN DIN 1.4571
- \* Stainless steel base frame to EN DIN 1.4301 up to CR 64. Above CR 64 the pumps are placed on a galvanized C-profile frame
- \* One non-return valve (POM) and two isolating valves for each pump
- \* Non-return valves are certified according to DVGW, isolating valves according to DIN and DVGW
- \* Adapter with isolating valve for connection of diaphragm tank
- \* Pressure gauge and pressure transmitter (analog output 4-20 mA)
- \* Control MPC in a steel cabinet, IP54, including main switch, all required fuses, motor protection, switching equipment and microprocessor-controlled CU 352.

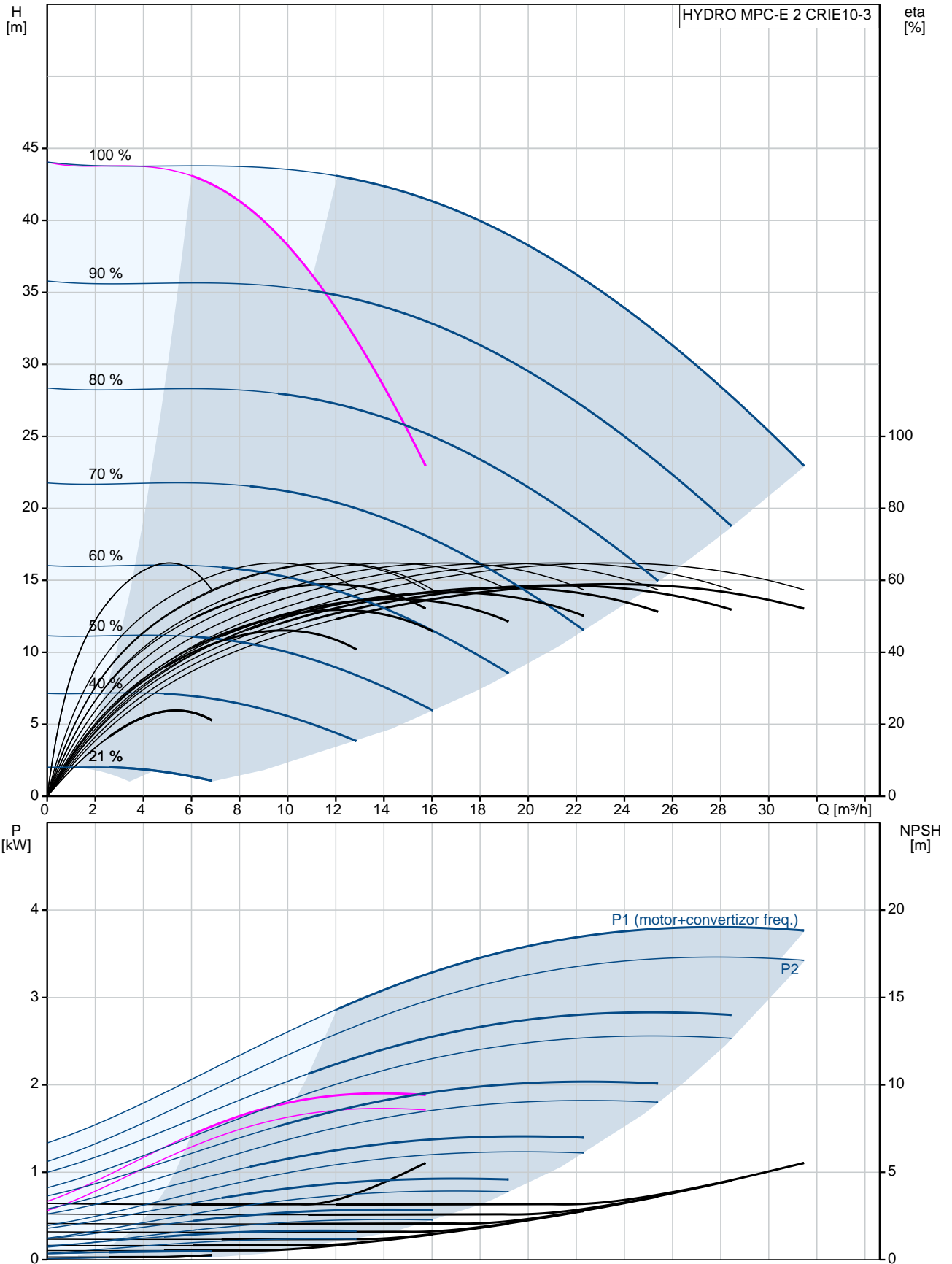
Dry-running protection and diaphragm tank are available according to the list of accessories.

Pump operation is controlled by Control MPC with the following functions:

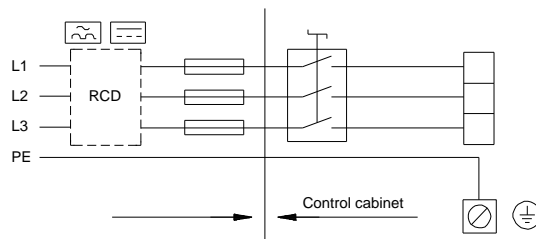
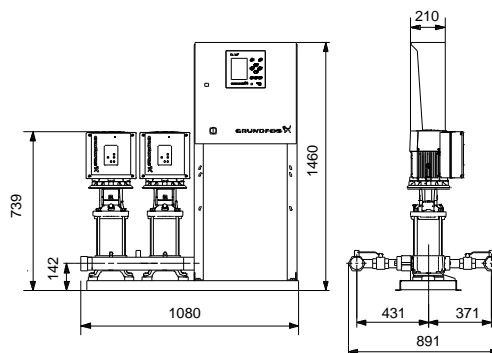
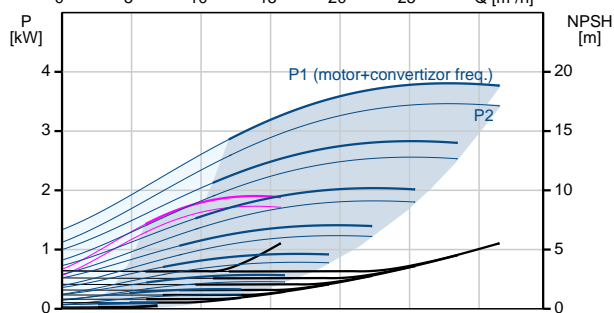
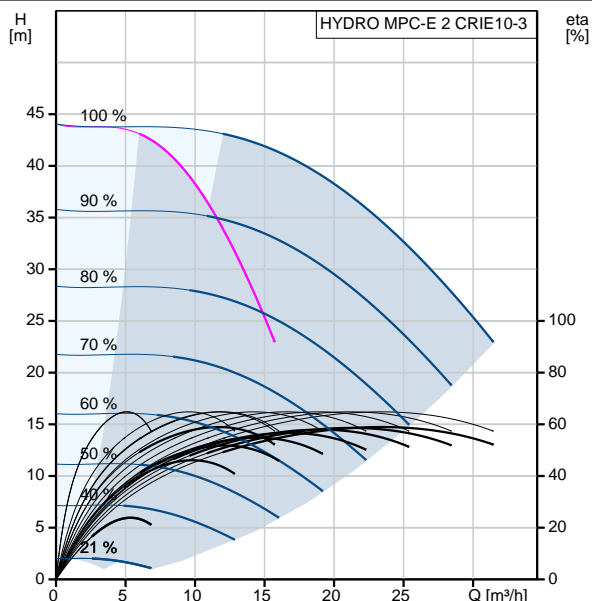
- \* Intelligent multipump controller, CU 352.  
Constant-pressure control through continuously variable adjustment of the speed of each individual pump.



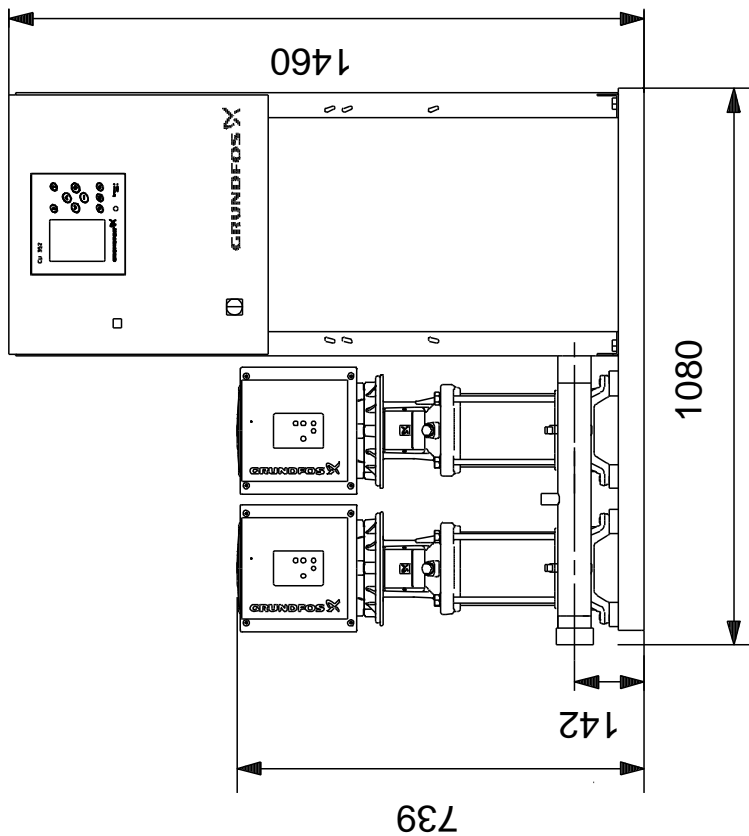
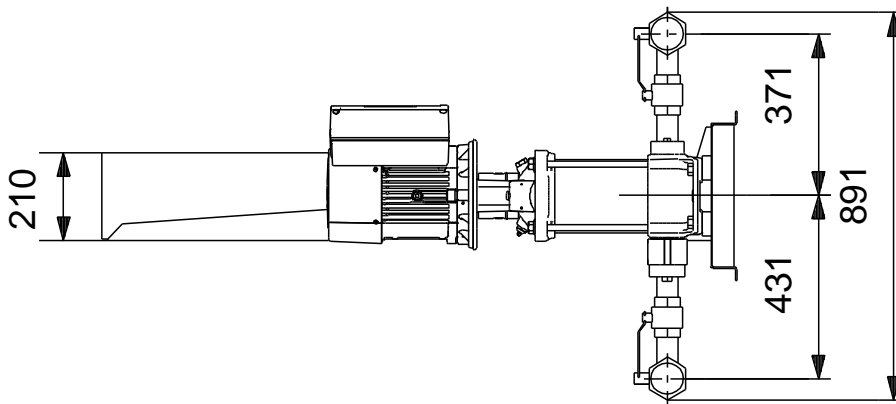
## 98389644 HYDRO MPC-E 2 CRIE10-3



Descriere	Valori i tipuri
<b>Informa ii generale:</b>	
Nume produs::	HYDRO MPC-E 2 CRIE10-3
Nr. produs::	98389644
Numărul EAN::	5710629916082
	5710629916082
<b>Tehnic:</b>	
Debit nominal:	24 m <sup>3</sup> /h
Debit maxim:	31 m <sup>3</sup> /h
În l ime de pompare nominal :	34.9 m
În l ime de pompare max.:	44 m
Nume pomp principal :	CRIE10-3
Nr. pompei principale:	98390285
Num r de pompe:	2
Valv anti-retur:	pe refulare
<b>Materiale:</b>	
Manifolduri:	EN/DIN 1.4571/ AISI 316 TI
<b>Instala ie:</b>	
Gama temperaturii ambientale:	5 .. 45 °C
Presiune de func ionare maxim :	16 bar
Presiunea la aspira ie maxim permis :	11.6 bar
Colector aspira ie:	R 2 1/2"
Colector refulare:	R 2 1/2"
Evaluare presiune:	PN16
Împ mântare:	PE
Design sistem:	A
<b>Lichid:</b>	
Lichid pompat:	Ap
Gama temperaturii lichidului:	5 .. 60 °C
Temperatura lichidului în timpul func ion rii:	20 °C
Densitate:	998.2 kg/m <sup>3</sup>
<b>Date electrice:</b>	
Putere (P2) pomp principal :	2.2 kW
Frecven a re elei electrice:	50 / 60 Hz
Tensiune nominal :	3 x 380-415 V
Curent nominal pentru sistem:	8,2A-400V
Metod de pornire:	electronic
Grad de protec ie (IEC 34-5):	IP54
Suprimare interferen radio:	EMC DIRECTIVE(2014/30/EU)
Number of phases of main pump:	3
<b>Control:</b>	
Control type:	E
Protec ie mecanic la func ionare uscat :	NONE
<b>Rezervor:</b>	
Volumul rezervorului de presiune:	0 l
Rezervor cu diafragm :	Nu
<b>Altele:</b>	
Greutate net :	151 kg
Greutate brut :	190 kg
Gam produs:	Interna ional
Nr. fi ier. config.:	98272346
Fi ier config. Control MPC:	98271946
Fi ier config. Hydro MPC:	98272018



## 98389644 HYDRO MPC-E 2 CRIE10-3



Not : Toate unit ile sunt in [mm] daca nu sunt altele specificate.  
Negare: Acest desen dimensional simplificat nu prezint toate detaliile.