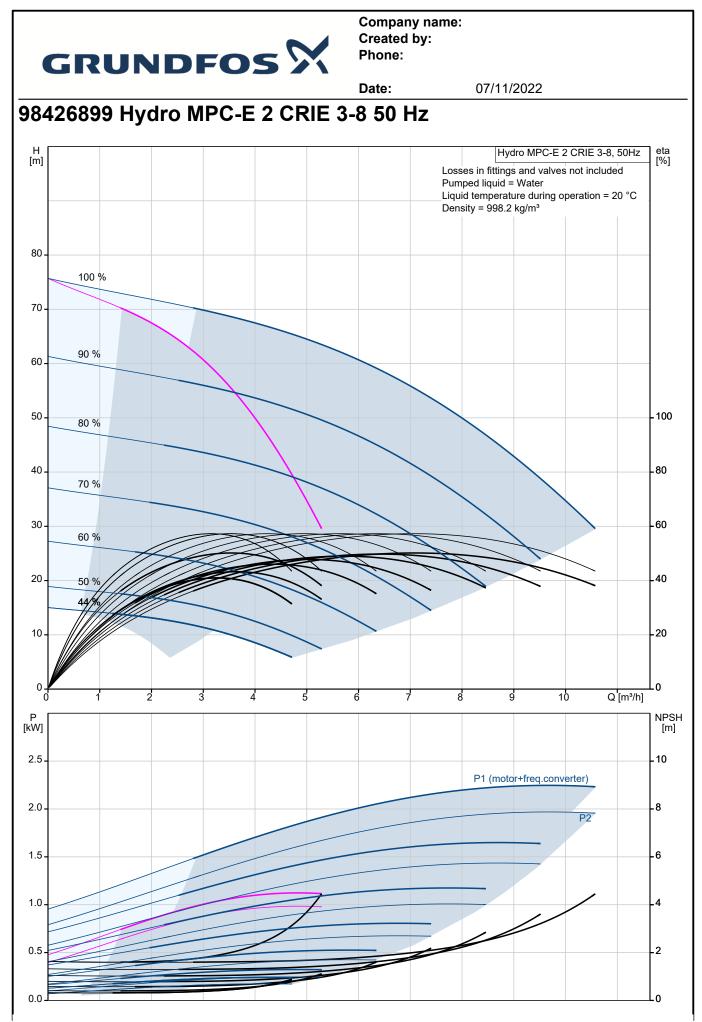


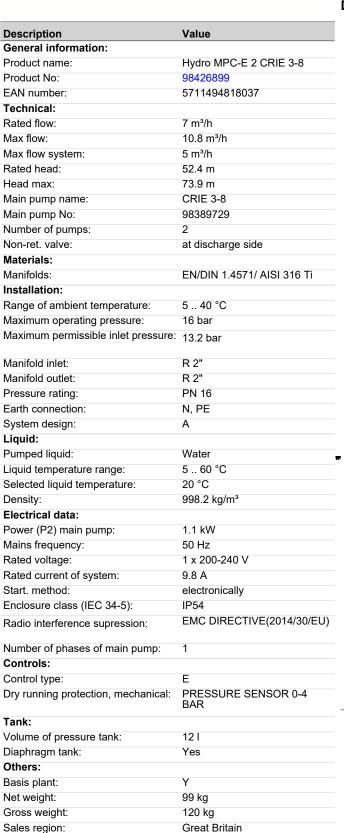
	RUNDFOS 2	Date:	07/11/2022
	Description		
ŀ	Hydro MPC-E 2 CRIE 3-8		
	10		
	Note! Product pictur	e may differ from	actual product
F	Product No.: 98426899	•	P
	Pressure booster system supplied as compact assem	bly according t	o DIN standard 1988/T5
		bry according t	Diri standaru 1900/10.
4	All pumps are speed-controlled.		
F	From 0.37 to 11 kW, the booster system is equipped	with CR, CRE,	CRI, CRIE pumps with electronically
f	commutated permanent-magnet motors with extreme requency converter applies to IE5 level in IEC60034-	ly high efficienc 31.	y. The total efficiency of the motor including the
F	From 15 to 22 kW, the booster system is equipped wi requency control. The total efficiency of the motor inc	th CR, CRE, Cl Iuding the frequ	RI, CRIE pumps with motors with integrated uency converter is better than the IE3 level in
I	EC60034-31, even though this standard only applies	to the motor.	
	* Hydro MPC-E maintains a constant pressure t	hrough continue	ous adjustment of the speed of the pumps.
	 The system performance is adapted to the der through parallel control of the pumps in operat 	nand through c	utting in/out the required number of pumps and
	 * Pump changeover is automatic and depends of 		d fault.
,	The system consists of these parts:		
	vertical, multistage, centrifugal pumps, type CRIE 3-8	3	
	Pump parts in contact with the pumped liquid are mad		
F	Pump bases and heads are of either cast iron/stainles pump type; other vital parts are made of stainless ste	el EN DIN 1.43	01
ר	The pumps are equipped with a service-friendly cartri		HQQE (SiC/SiC/EPDM)
	 * Two stainless steel manifolds to EN DIN 1.457 * Stainless steel base frame to EN DIN 1.4301 u 		ove CR 90 the pumps are placed on a
	galvanized I-Beam frame	-	
	 * One non-return valve (POM) and two isolating * Non-return valves are certified according to D 		
	* Adapter with isolating valve for connection of c	liaphragm tank	-
	 Pressure gauge and pressure transmitter (ana Control MPC in a steel cabinet, IP54, including 		
	equipment and microprocessor-controlled CU	352.	in required fuses, motor protection, switching
г	Dry-running protection and diaphragm tank are availa	ble according t	o the list of accessories
		-	
F *	Pump operation is controlled by Control MPC with the Intelligent multipum		
	Constant-pressure	control through	continuously variable adjustment of the speed
	each individual pun PID controller with		arameters (Kp + Ti).
			ependent of inlet pressure.
	Soft pressure build	up (To prevent	water hammer during startup).
	On/off operation at		ps for optimum efficiency.
			rt/stop, automatic pump changeover and pump

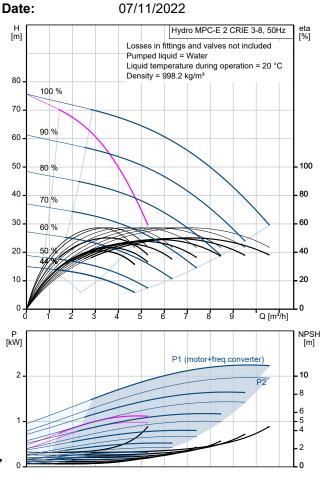


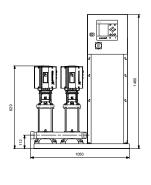
Description			
			ent idle pumps from seizing up.
	Possibility of stand		
			ant primary sensor).
			h to another sensor/setpoint).
	Multi-sensor (up to	6 sensors to influ	ence the setpoint).
	Manual operation.		
	Possibility of extern	nal setpoint influer	nce.
	Log function.		
	Setpoint ramp.		
	Possibility of digita	l remote-control fu	inctions:
	System on/off.		
	Max., min. or user-	defined duty.	
	Up to 6 alternative		
			nfigured individually.
	Pump and system		
	Minimum and max		
	Inlet pressure.		
	Non-return valve n	onitoring	
	Motor protection.	ionitoring.	
	Sensors and cable	a monitored for m	alfunction
	Alarm log with the		
			ngs/alainis.
	Display and indica		
	Colour screen disp		dia atiana ana dina dia dia atau limba fan famila
	indications	nt for operating inc	dications and red indicator light for fault
	Potential-free char	ideover contacts to	or operation and fault.
	Grundfos bus com	munication.	
Pumps, piping, cabling comp	Grundfos bus com nmunication modules for plete as well as Control M	munication. communicating w	ith Scada/BMS.
Pumps, piping, cabling comp The booster system has bee	Grundfos bus com munication modules for plete as well as Control M n preset and tested.	munication. communicating w	ith Scada/BMS.
It is possible to add CIM com Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system.	Grundfos bus com munication modules for plete as well as Control M n preset and tested.	munication. communicating w	ith Scada/BMS.
Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system.	Grundfos bus com munication modules for plete as well as Control M n preset and tested.	munication. communicating w	ith Scada/BMS.
Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system. Flow media:	Grundfos bus com munication modules for plete as well as Control M n preset and tested.	munication. communicating w	ith Scada/BMS.
Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system. Flow media: Allowed liquid temp.:	Grundfos bus com munication modules for plete as well as Control M n preset and tested. e the pressure Water	munication. communicating w	ith Scada/BMS.
Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system. Flow media: Allowed liquid temp.: System pressure max.:	Grundfos bus com munication modules for plete as well as Control M n preset and tested. e the pressure Water 5 °C 60 °C	munication. communicating w	ith Scada/BMS.
Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant):	Grundfos bus com munication modules for plete as well as Control M n preset and tested. e the pressure Water 5 °C 60 °C 16 bar 10.8 m³/h	munication. communicating w	ith Scada/BMS.
Pumps, piping, cabling comp The booster system has bee There are options to upgrade	Grundfos bus com munication modules for plete as well as Control M n preset and tested. e the pressure Water 5 °C 60 °C 16 bar 10.8 m³/h	munication. communicating w IPC are mounted	ith Scada/BMS.
Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pu Nom. current of plant:	Grundfos bus com munication modules for olete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar 10.8 m³/h ump acc. DIN 1988/T5:	munication. communicating w IPC are mounted	ith Scada/BMS.
Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by po Nom. current of plant: Nominal power:	Grundfos bus com munication modules for olete as well as Control M n preset and tested. e the pressure Water 5 °C 60 °C 16 bar 10.8 m³/h ump acc. DIN 1988/T5: 9.8 A 1.1 kW	munication. communicating w IPC are mounted	ith Scada/BMS.
Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by po Nom. current of plant: Nominal power:	Grundfos bus com munication modules for olete as well as Control M n preset and tested. e the pressure Water 5 °C 60 °C 16 bar 10.8 m³/h ump acc. DIN 1988/T5: 9.8 A	munication. communicating w IPC are mounted	ith Scada/BMS.
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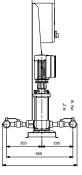


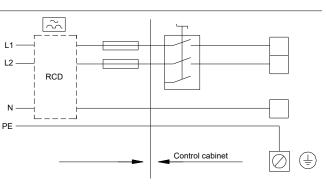












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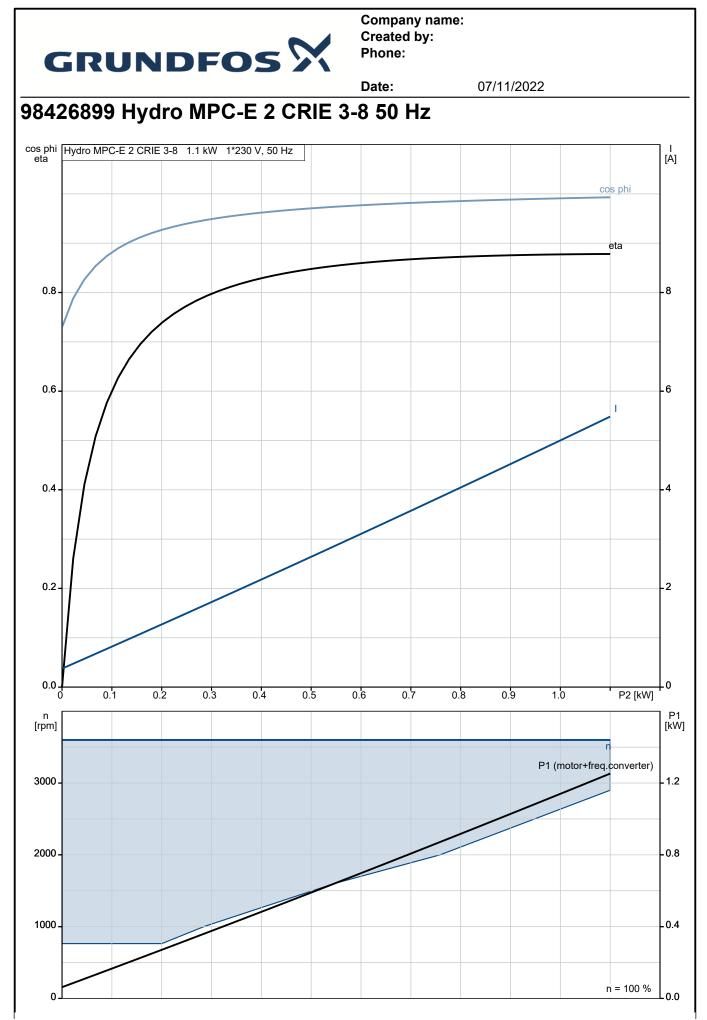
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Config. file no:

Config.file Control MPC:

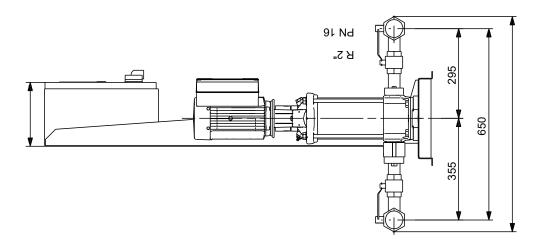
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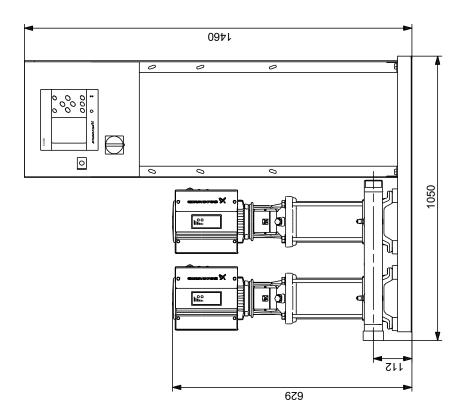




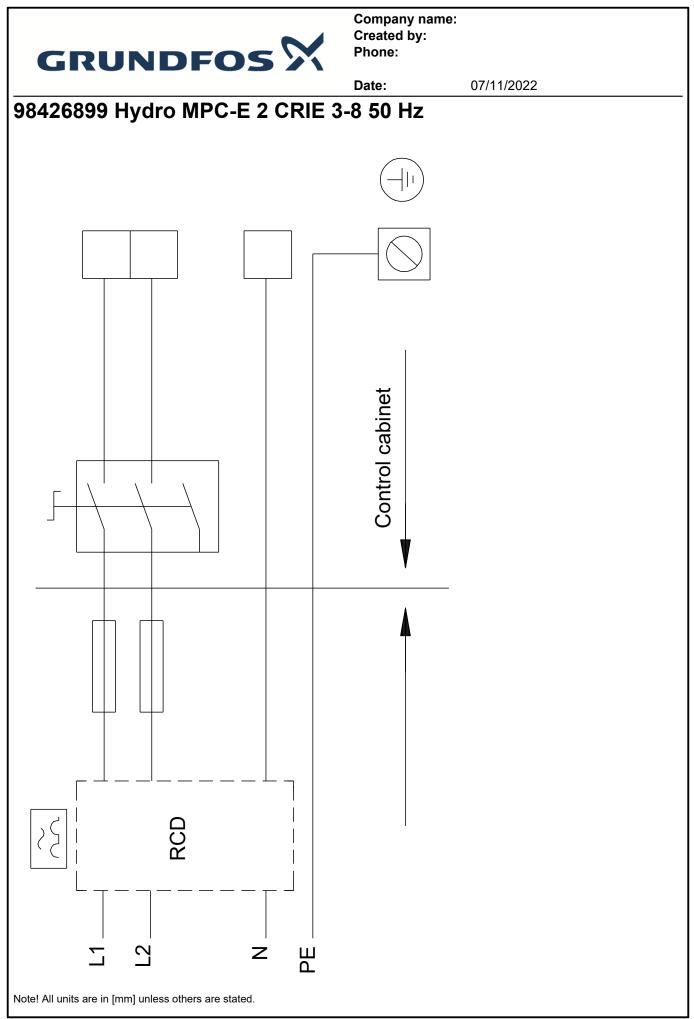
07/11/2022

98426899 Hydro MPC-E 2 CRIE 3-8 50 Hz





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





Position

Company name: Created by: Phone:

 Date:
 07/11/2022

 Order Data:
 Your pos.
 Product name
 Amount
 Product No
 Total

 Hydro MPC-E 2 CRIE 3-8
 1
 98426899
 Price on request