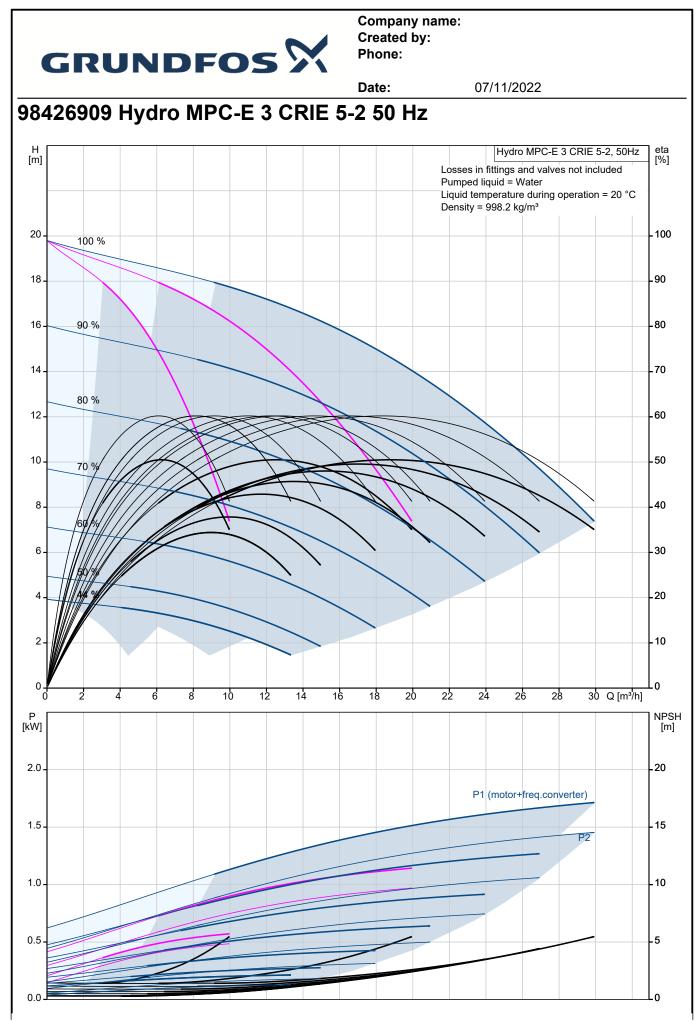


	JKUNDFUS //				
	<b>Date:</b> 07/11/2022				
у.	Description				
	Hydro MPC-E 3 CRIE 5-2				
	Note! Product picture may differ from actual product Product No.: 98426909				
	Pressure booster system supplied as compact assembly according to DIN standard 1988/T5.				
	All pumps are speed-controlled.				
	Air puritips are specu-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: :vertical, multistage, centrifugal pumps, type CRIE 5-2				
	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 90; above CR 90 the pumps are placed on a				
	<ul> <li>galvanized I-Beam frame</li> <li>* One non-return valve (POM) and two isolating valves for each pump</li> </ul>				
	<ul> <li>* Non-return valves are certified according to DVGW, isolating valves according to DIN and DVGW</li> </ul>				
	* Adapter with isolating valve for connection of diaphragm tank				
	<ul> <li>Pressure gauge and pressure transmitter (analog output 4-20 mA)</li> <li>Control MPC in a steel cabinet JP54 including main switch all required fuses motor protection, switching</li> </ul>				
	<ul> <li>Control MPC in a steel cabinet, IP54, including main switch, all required fuses, motor protection, switching equipment and microprocessor-controlled CU 352.</li> </ul>				
	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.				
ļ	PID controller with adjustable PI parameters (Kp + Ti).				
	Constant pressure at setpoint, independent of inlet pressure.				
	Soft pressure build-up (To prevent water hammer during startup).				
	On/off operation at low flow. Automatic cascade control of pumps for optimum efficiency.				
	Selection of min. time between start/stop, automatic pump changeover and pump				

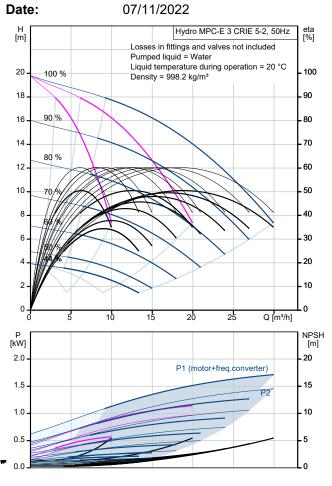


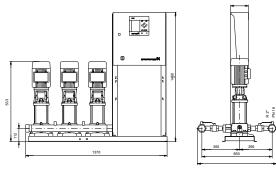
Description			
			ent idle pumps from seizing up.
	Possibility of stand		
			ant primary sensor).
			h to another sensor/setpoint).
	Multi-sensor (up to	6 sensors to influ	ence the setpoint).
	Manual operation.		
	Possibility of extern	nal setpoint influer	nce.
	Log function.		
	Setpoint ramp.		
	Possibility 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 m	nonitorina.	
	Motor protection.	5	
	Sensors and cable	s monitored for ma	alfunction.
	Alarm log with the		
	Display and indicat		
	Colour screen disp		
			lications and red indicator light for fault
	indications		
	Potential-free chan	deover contacts for	or operation and fault.
		georer contacto h	or operation and laat.
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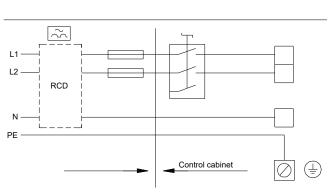




Description	Value
General information:	
Product name:	Hydro MPC-E 3 CRIE 5-2
Product No:	98426909
EAN number:	5711494818136
Technical:	
Rated flow:	20.7 m³/h
Max flow:	30.6 m³/h
Max flow system:	20 m³/h
Rated head:	12.2 m
Head max:	19.8 m
Main pump name:	CRIE 5-2
Main pump No:	98390047
Number of pumps:	3
Non-ret. valve:	at discharge side
Materials:	
Manifolds:	EN/DIN 1.4571/ AISI 316 Ti
Installation:	
Range of ambient temperature:	540 °C
Maximum operating pressure:	16 bar
Maximum permissible inlet pressure:	
	15.6 bar
Manifold inlet:	R 2"
Manifold outlet:	R 2"
Pressure rating:	PN 16
Earth connection:	N, PE
System design:	A
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	560 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Power (P2) main pump:	0.55 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 200-240 V
Rated current of system:	7.5 A
Start. method:	electronically
Enclosure class (IEC 34-5):	IP54
Radio interference supression:	EMC DIRECTIVE(2014/30/EU)
Number of phases of main pump:	1
Controls:	
Control type:	E
Dry running protection, mechanical:	PRESSURE SENSOR 0-4 BAR
Tank:	
Volume of pressure tank:	12
Diaphragm tank:	Yes
Others:	
Basis plant:	Y
Net weight:	117 kg
Gross weight:	136 kg
Sales region:	Great Britain
3	







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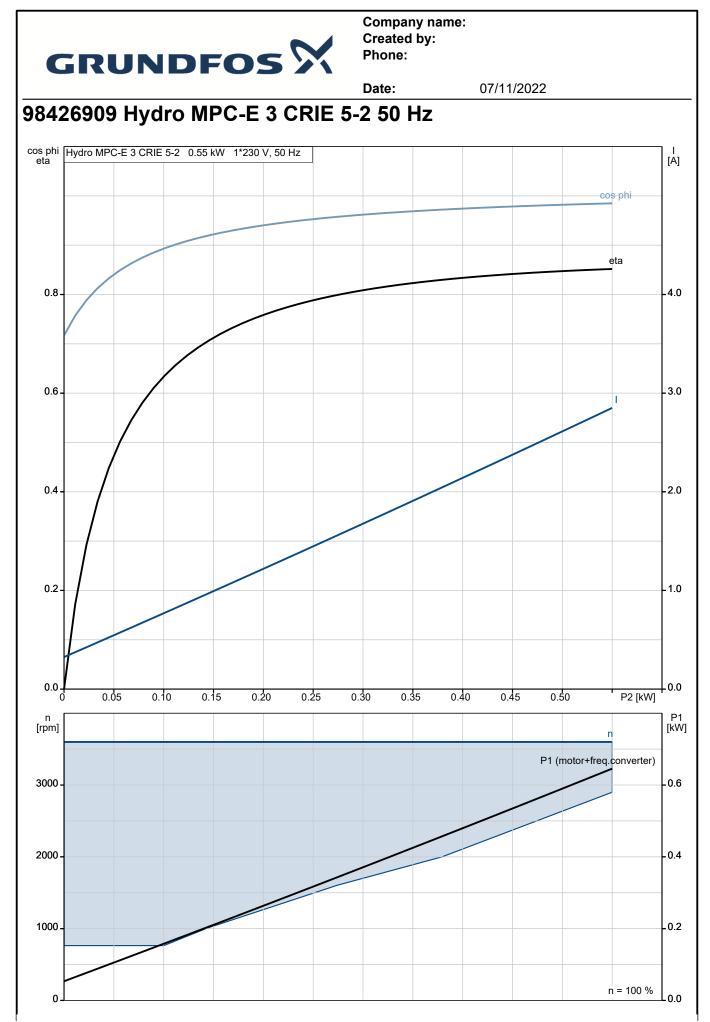
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Config. file no:

Config.file Control MPC:

Config.file Hydro MPC:

R 2" PN 16

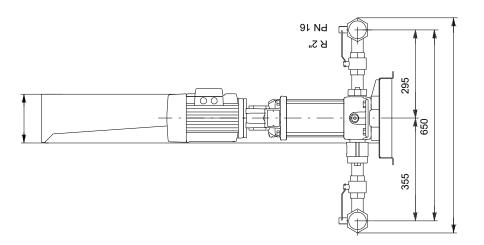


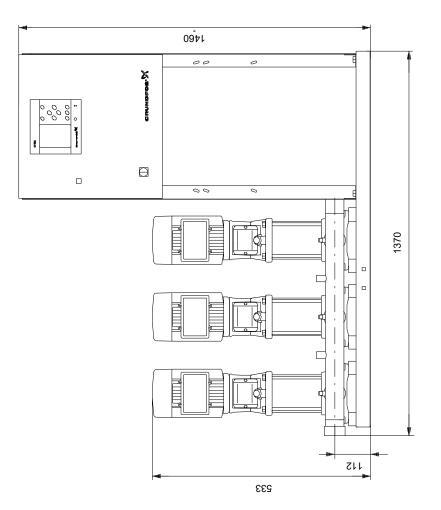


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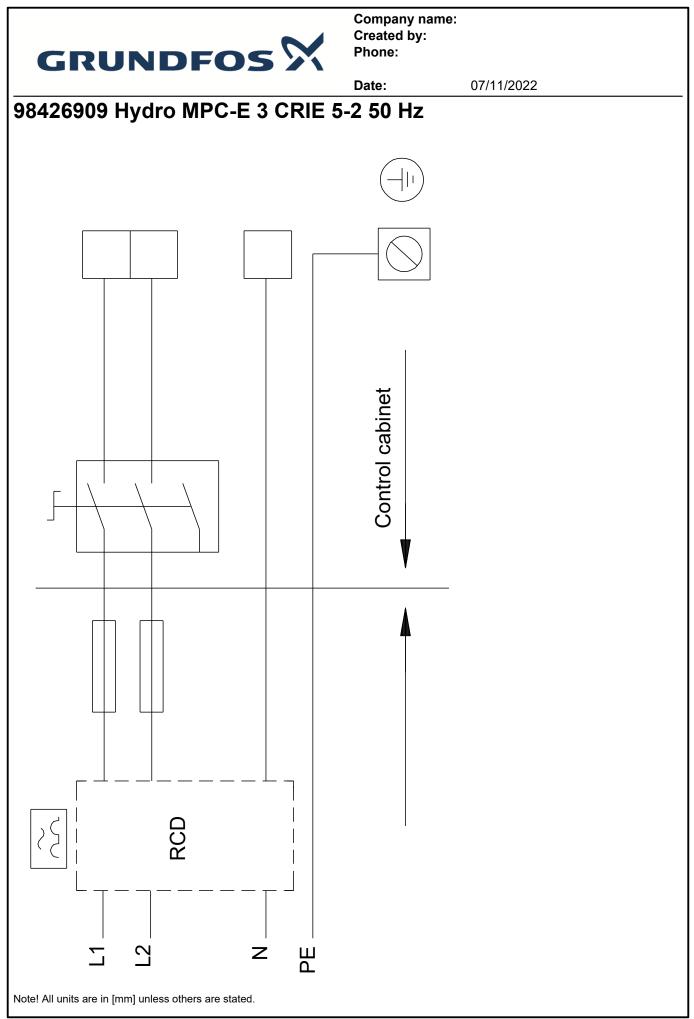
07/11/2022

## 98426909 Hydro MPC-E 3 CRIE 5-2 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 3 CRIE 5-2
 1
 98426909
 Price on request