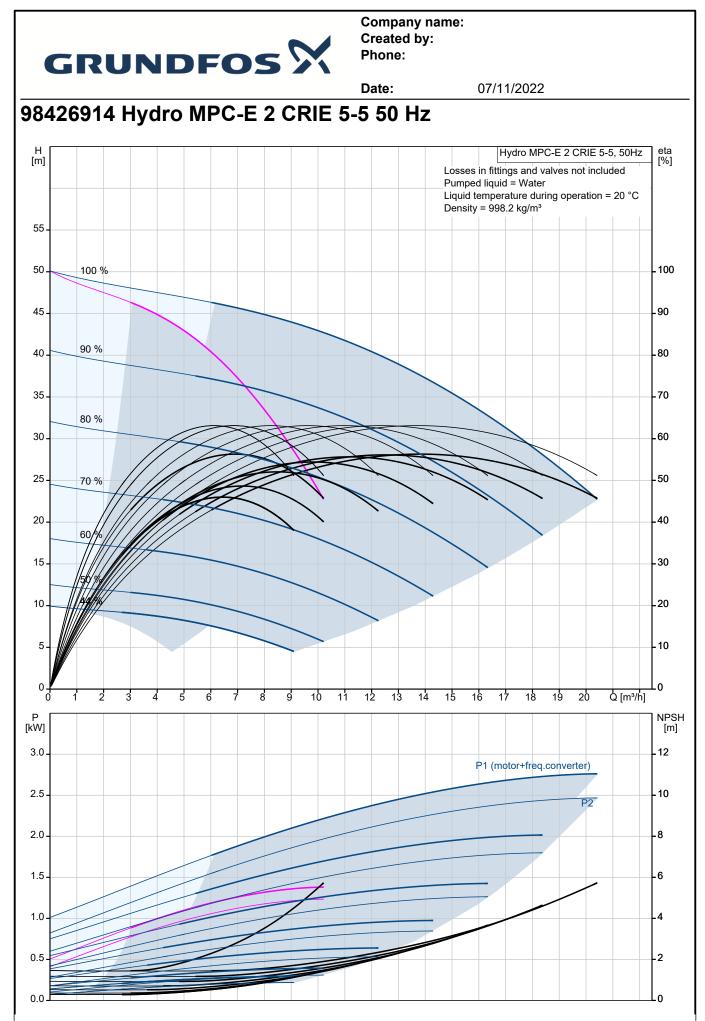


G	RUNDFOS X	Date:	07/11/2022		
[Description	Dale	07/11/2022		
	lydro MPC-E 2 CRIE 5-5				
	10-				
	Note! Product pict	ure may differ from a	actual product		
F	Product No.: 98426914				
F	Pressure booster system supplied as compact assembly according to DIN standard 1988/T5.				
A	All pumps are speed-controlled.				
c	From 0.37 to 11 kW, the booster system is equipped commutated permanent-magnet motors with extrem requency converter applies to IE5 level in IEC60034	ely high efficienc	CRI, CRIE pumps with electronically y. The total efficiency of the motor including th		
fr	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 * The system performance is adapted to the de through parallel control of the pumps in operation 	emand through c	ous adjustment of the speed of the pumps. utting in/out the required number of pumps and		
	* Pump changeover is automatic and depends		d fault.		
	he system consists of these parts:				
	vertical, multistage, centrifugal pumps, type CRIE 5 Pump parts in contact with the pumped liquid are ma		teel EN DIN 1 4301		
F	Pump bases and heads are of either cast iron/stainly pump type; other vital parts are made of stainless st	ess steel (CRI) o	r cast iron EN-GJS-500-7 (CR), depending on		
Т	The pumps are equipped with a service-friendly cart * Two stainless steel manifolds to EN DIN 1.45		HQQE (SiC/SiC/EPDM)		
	 Stainless steel base frame to EN DIN 1.4301 galvanized I-Beam frame 		ove CR 90 the pumps are placed on a		
	 * One non-return valve (POM) and two isolatin * Non-return valves are certified according to I 				
	 * Adapter with isolating valve for connection of 	•	valves according to bit and by GW		
	* Pressure gauge and pressure transmitter (an	alog output 4-20			
	 Control MPC in a steel cabinet, IP54, includir equipment and microprocessor-controlled CL 		Il required fuses, motor protection, switching		
	Dry-running protection and diaphragm tank are avai	lable according to	o the list of accessories.		
F	Pump operation is controlled by Control MPC with th				
	Intelligent multipu Constant-pressure each individual pu	e control through	continuously variable adjustment of the speed		
	· · · · · · · · · · · · · · · · · · ·		arameters (Kp + Ti).		
	Constant pressure	e at setpoint, inde	ependent of inlet pressure.		
	Soft pressure buil On/off operation a		water hammer during startup).		
	•		os for optimum efficiency.		
			rt/stop, automatic pump changeover and pump		

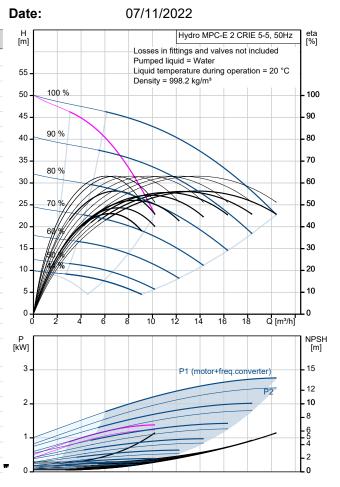


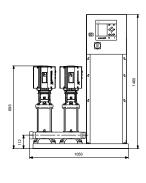
Description			
			vent idle pumps from seizing up.
	Possibility of stand		
			ant primary sensor).
			h to another sensor/setpoint).
	Multi-sensor (up to	6 sensors to influ	ence the setpoint).
	Manual operation.		
	Possibility of exter	nal setpoint influer	nce.
	Log function.		
	Setpoint ramp.		
	Possibility of digita	al 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.		
		nonitoring	
	Non-return valve r	nonitoring.	
	Motor protection.		- If we attack
	Sensors and cable		
	Alarm log with the		ngs/alarms.
	Display and indica		
	Colour screen disp		
	Green indicator lig	ht for operating inc	dications and red indicator light for fault
	indications		
	Potential-free char	ndeover contacts f	or operation and fault
			or operation and ladit.
It is possible to add CIM (Grundfos bus com	munication.	
	Grundfos bus com communication modules for omplete as well as Control I	munication.	ith Scada/BMS.
Pumps, piping, cabling co The booster system has t There are options to upgr	Grundfos bus com communication modules for omplete as well as Control I been preset and tested.	munication.	ith Scada/BMS.
Pumps, piping, cabling co The booster system has to There are options to upgr boosting system.	Grundfos bus com communication modules for omplete as well as Control I been preset and tested. ade the pressure	munication.	ith Scada/BMS.
Pumps, piping, cabling co The booster system has t There are options to upgr boosting system. Flow media:	Grundfos bus com communication modules for omplete as well as Control I been preset and tested. ade the pressure Water	munication.	ith Scada/BMS.
Pumps, piping, cabling co The booster system has b There are options to upgr boosting system. Flow media: Allowed liquid temp.:	Grundfos bus com communication modules for omplete as well as Control I been preset and tested. ade the pressure Water 5 °C 60 °C	munication.	ith Scada/BMS.
Pumps, piping, cabling co The booster system has b There are options to upgr boosting system. Flow media: Allowed liquid temp.: System pressure max.:	Grundfos bus com communication modules for omplete as well as Control I been preset and tested. ade the pressure Water 5 °C 60 °C 16 bar	munication.	ith Scada/BMS.
Pumps, piping, cabling co The booster system has b There are options to upgr boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant):	Grundfos bus com communication modules for omplete as well as Control I been preset and tested. ade the pressure Water 5 °C 60 °C 16 bar 20.4 m³/h	munication.	ith Scada/BMS.
Pumps, piping, cabling co The booster system has b There are options to upgr boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-b	Grundfos bus com communication modules for omplete as well as Control I been preset and tested. ade the pressure Water 5 °C 60 °C 16 bar 20.4 m³/h y pump acc. DIN 1988/T5:	munication.	ith Scada/BMS.
Pumps, piping, cabling co The booster system has b There are options to upgr boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-b Nom. current of plant:	Grundfos bus com communication modules for omplete as well as Control I been preset and tested. ade the pressure Water 5 °C 60 °C 16 bar 20.4 m³/h y pump acc. DIN 1988/T5: 6 A	munication.	ith Scada/BMS.
Pumps, piping, cabling co The booster system has b There are options to upgr boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-b Nom. current of plant: Nominal power:	Grundfos bus com communication modules for omplete as well as Control I been preset and tested. ade the pressure Water 5 °C 60 °C 16 bar 20.4 m³/h y pump acc. DIN 1988/T5: 6 A 1.5 kW	munication.	ith Scada/BMS.
Pumps, piping, cabling co The booster system has b There are options to upgr boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-b Nom. current of plant:	Grundfos bus com communication modules for omplete as well as Control I been preset and tested. ade the pressure Water 5 °C 60 °C 16 bar 20.4 m³/h y pump acc. DIN 1988/T5: 6 A	munication.	ith Scada/BMS.
Pumps, piping, cabling co The booster system has b There are options to upgr boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-b Nom. current of plant: Nominal power:	Grundfos bus com communication modules for omplete as well as Control I been preset and tested. ade the pressure Water 5 °C 60 °C 16 bar 20.4 m³/h y pump acc. DIN 1988/T5: 6 A 1.5 kW	munication.	ith Scada/BMS.
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Pumps, piping, cabling co The booster system has b There are options to upgr boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-b Nom. current of plant: Nominal power:	Grundfos bus com communication modules for omplete as well as Control I been preset and tested. ade the pressure Water 5 °C 60 °C 16 bar 20.4 m³/h y pump acc. DIN 1988/T5: 6 A 1.5 kW	munication.	ith Scada/BMS.
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Pumps, piping, cabling co The booster system has b There are options to upgr boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-b Nom. current of plant: Nominal power:	Grundfos bus com communication modules for omplete as well as Control I been preset and tested. ade the pressure Water 5 °C 60 °C 16 bar 20.4 m³/h y pump acc. DIN 1988/T5: 6 A 1.5 kW	munication.	ith Scada/BMS.
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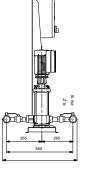


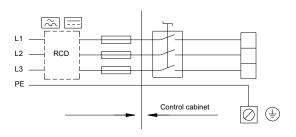


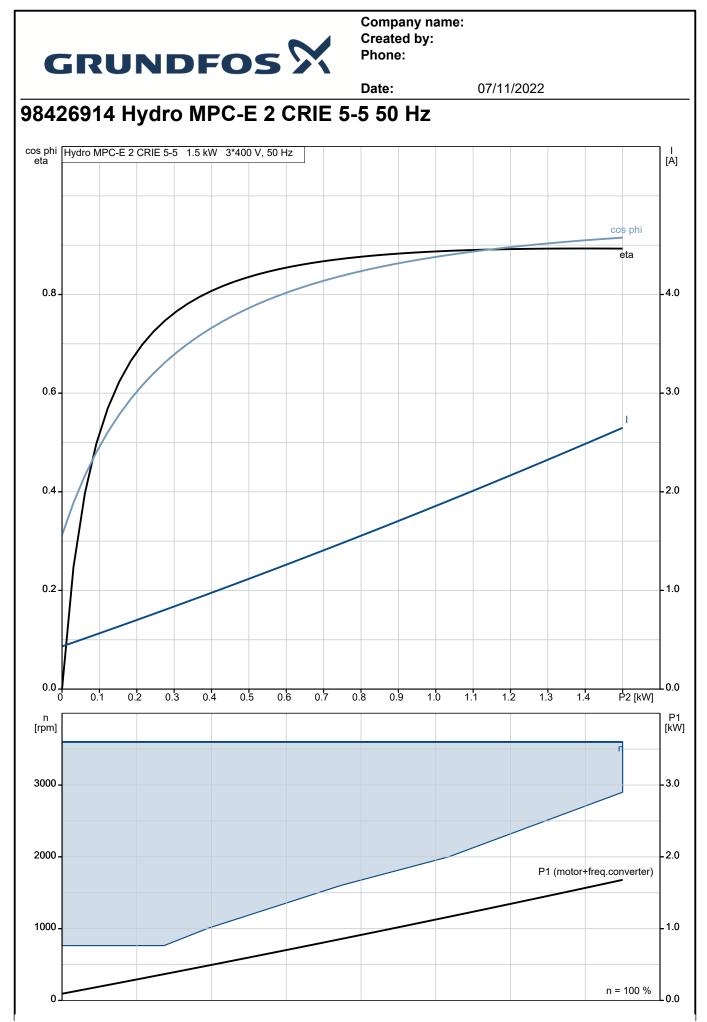
Description	Value
General information:	
Product name:	Hydro MPC-E 2 CRIE 5-5
Product No:	98426914
EAN number:	5711494818181
Technical:	
Rated flow:	13.8 m³/h
Max flow:	20.4 m³/h
Max flow system:	10 m³/h
Rated head:	36.5 m
Head max:	51.5 m
Main pump name:	CRIE 5-5
Main pump No:	98390069
Number of pumps:	2
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:	10 000
Maximum permissible inter pressure.	14.1 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:	5 60 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	-
Power (P2) main pump:	1.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Rated current of system:	6 A
Start, method:	electronically
Enclosure class (IEC 34-5):	IP54
	EMC DIRECTIVE(2014/30/EU)
Radio interference supression:	
Number of phases of main pump:	3
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:	105 kg
Gross weight:	127 kg
Sales region:	Great Britain
Config. file no:	98272345
Config.file Control MPC:	98271946
Config.file Hydro MPC:	98272014







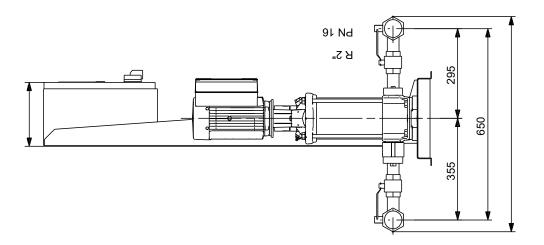


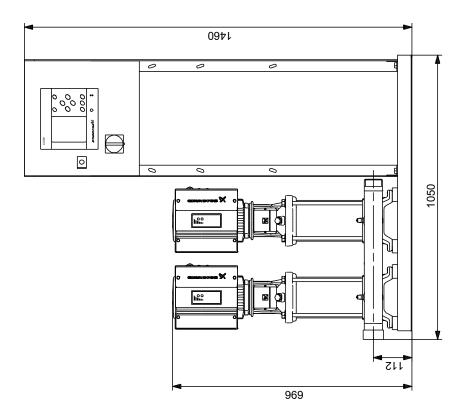




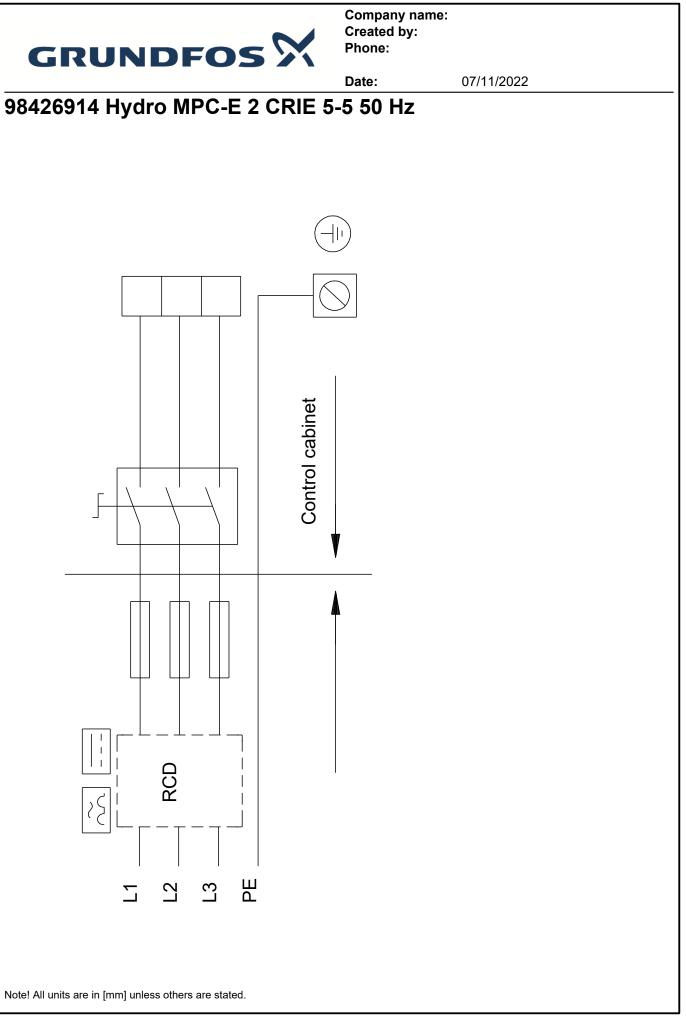
07/11/2022

98426914 Hydro MPC-E 2 CRIE 5-5 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:

07/11/2022 Date: **Order Data:** Your pos. **Product name** Amount **Product No** Total Hydro MPC-E 2 CRIE 5-5 1 98426914 Price on request