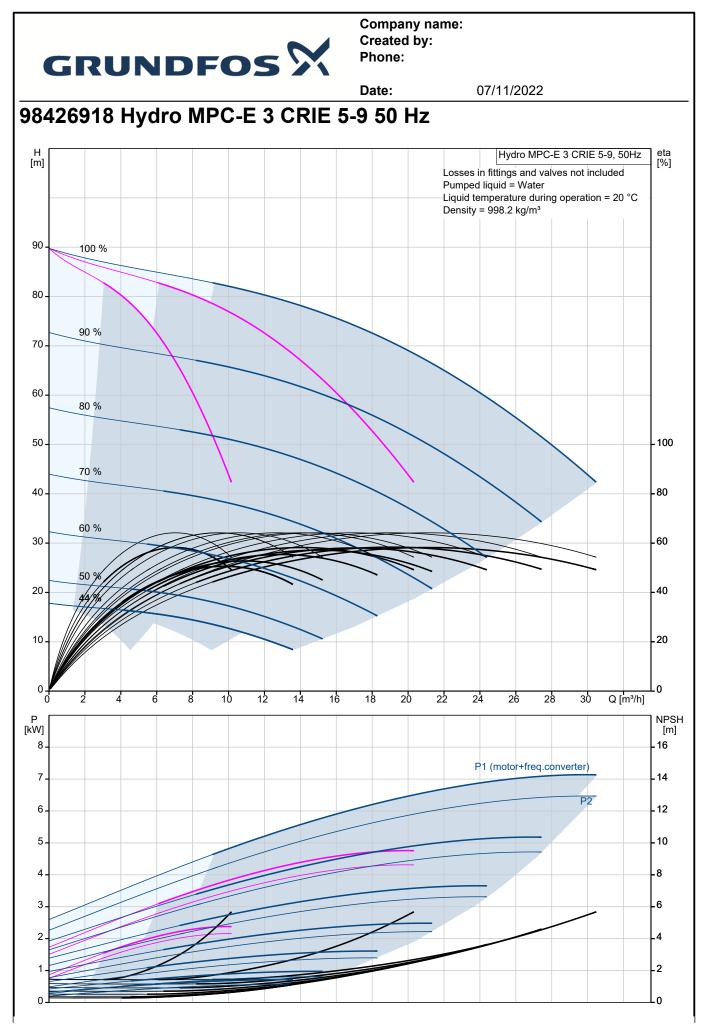


G	RUNDFOS				
		Da	ate:	07/11/2022	
Des	cription				
Hyd	Iro MPC-E 3 CRIE 5-9				
	Anna Anna Anna Anna				
(
Note! Product picture may differ from actual product					
Pro	duct No.: 98426918				
Pres	ssure booster system supplied as co	ompact assembly ac	ccording to D	IN standard 1988/15.	
All p	oumps are speed-controlled.				
'					
From	n 0.37 to 11 kW, the booster system	n is equipped with C	R, CRE, CR	I, 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	n 15 to 22 kW, the booster system i	s equipped with CR	, CRE, CRI,	CRIE pumps with motors with integrated	
freq	uency control. The total efficiency o 60034-31, even though this standar	f the motor including d only applies to the	g the frequen	cy converter is better than the IE3 level in	
	* Hydro MPC-E maintains a const	ant pressure throug	h continuous	adjustment of the speed of the pumps.	
, ,	* The system performance is adapt	oted to the demand	through cuttii	ng in/out the required number of pumps and	
	through parallel control of the put	· ·	d time and fo	s 14	
	* Pump changeover is automatic a	and depends on load	u, une anu ia	auit.	
The	system consists of these parts:				
	tical, multistage, centrifugal pumps,				
	np parts in contact with the pumped				
pun	ip bases and neads are of either ca	f stainless steel EN	DIN 1.4301	ast iron EN-GJS-500-7 (CR), depending on	
	pumps are equipped with a service			QE (SiC/SiC/EPDM)	
	* Two stainless steel manifolds to	EN DIN 1.4571			
	 Stainless steel base frame to EN galvanized I-Beam frame 	I DIN 1.4301 up to (CR 90; above	e CR 90 the pumps are placed on a	
,	* One non-return valve (POM) and	d two isolating valve	s for each pu	Imp	
,				ves according to DIN and DVGW	
	 Adapter with isolating valve for c 			C C	
	Fressure gauge and pressure in				
	 Control MPC in a steel cabinet, I equipment and microprocessor-ordinated and microprocesor-ordinated and microprocessor-ordinated and microprocessor	IP54, including main controlled CU 352.	n switch, all re	equired fuses, motor protection, switching	
	- 4				
Dry	-running protection and diaphragm t	ank are available ad	ccording to th	e list of accessories.	
D	an anaration is controlled by Oc. (uipa f	-	
Pun	np operation is controlled by Control	gent multipump con			
		• • •		ntinuously variable adjustment of the speed o	
	each	individual pump.	Ū		
		controller with adjust			
				ndent of inlet pressure.	
		ff operation at low flo		ter hammer during startup).	
				or optimum efficiency.	
1				top, automatic pump changeover and pump	

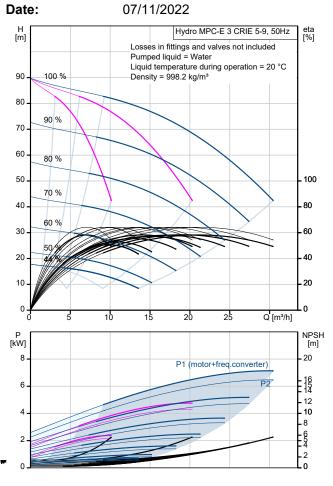


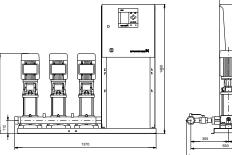
Description			
			vent idle pumps from seizing up.
	Possibility of stand		
			lant primary sensor).
			h to another sensor/setpoint).
		6 sensors to influ	ence the setpoint).
	Manual operation.		
	Possibility of extern	nal setpoint influe	nce.
	Log function.		
	Setpoint ramp.		
	Possibility of digita	l remote-control fu	unctions:
	System on/off.		
	Max., min. or user-	defined duty.	
	Up to 6 alternative		
	Digital inputs and o	outputs can be co	nfigured individually.
	Pump and system	monitoring function	ons:
	Minimum and max	mum limits of cur	rent value.
	Inlet pressure.		
	Non-return valve m	nonitoring.	
	Motor protection.		
	Sensors and cable		
	Alarm log with the		ings/alarms.
	Display and indicat		
	Colour screen disp	lay.	
		nt for operating in	dications and red indicator light for fault
	indications		
		-	or operation and fault.
	Grundfos bus com		
It is possible to add CIM comn	-		/ith Scada/BMS.
Pumps, piping, cabling comple	nunication modules for ete as well as Control N	communicating w	
Pumps, piping, cabling comple The booster system has been	nunication modules for ete as well as Control N preset and tested.	communicating w	
Pumps, piping, cabling comple The booster system has been There are options to upgrade	nunication modules for ete as well as Control N preset and tested.	communicating w	
Pumps, piping, cabling comple The booster system has been There are options to upgrade boosting system.	nunication modules for ete as well as Control N preset and tested.	communicating w	
Pumps, piping, cabling comple The booster system has been There are options to upgrade boosting system. Flow media:	nunication modules for ete as well as Control M preset and tested. the pressure	communicating w	
Pumps, piping, cabling comple The booster system has been There are options to upgrade boosting system. Flow media: Allowed liquid temp.:	nunication modules for ete as well as Control M preset and tested. the pressure Water	communicating w	
Pumps, piping, cabling comple The booster system has been There are options to upgrade boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant):	nunication modules for ete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar 30.6 m³/h	communicating w	
Pumps, piping, cabling comple The booster system has been There are options to upgrade boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant):	nunication modules for ete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar 30.6 m³/h	communicating w	
Pumps, piping, cabling comple The booster system has been There are options to upgrade to boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pur	nunication modules for ete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar 30.6 m³/h mp acc. DIN 1988/T5: 15 A	communicating w	
Pumps, piping, cabling comple The booster system has been There are options to upgrade to boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pur Nom. current of plant:	nunication modules for ete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar 30.6 m³/h mp acc. DIN 1988/T5:	communicating w	
Pumps, piping, cabling comple The booster system has been There are options to upgrade to boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pur Nom. current of plant: Nominal power:	nunication modules for ete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar 30.6 m³/h mp acc. DIN 1988/T5: 15 A	communicating w	
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It is possible to add CIM comm Pumps, piping, cabling comple The booster system has been There are options to upgrade to boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pur Nom. current of plant: Nominal power: Net weight:	nunication modules for ete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar 30.6 m³/h mp acc. DIN 1988/T5: 15 A 2.2 kW	communicating w	
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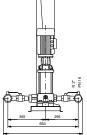


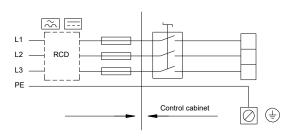


Description	Value
General information:	
Product name:	Hydro MPC-E 3 CRIE 5-9
Product No:	98426918
EAN number:	5711494818228
Technical:	
Rated flow:	20.7 m³/h
Max flow:	30.6 m³/h
Max flow system:	20 m³/h
Rated head:	68 m
Head max:	93.3 m
Main pump name:	CRIE 5-9
Main pump No:	98390070
Number of pumps:	3
Non-ret, valve:	at discharge side
Materials:	
Manifolds:	EN/DIN 1.4571/ AISI 316 Ti
Installation:	
Range of ambient temperature:	5 40 °C
Maximum operating pressure:	16 bar
Maximum operating pressure: Maximum permissible inlet pressure:	
	12.2 bar
Manifold inlet:	R 2"
Manifold outlet:	R 2"
Pressure rating:	PN 16
Earth connection:	N, PE
System design:	A
Liquid:	
Pumped liguid:	Water
Liquid temperature range:	560 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Power (P2) main pump:	2.2 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Rated current of system:	15 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:	Υ
Net weight:	153 kg
Gross weight:	173 kg
Sales region:	Great Britain
Config. file no:	98272377
Config.file Control MPC:	98271947
	00070000



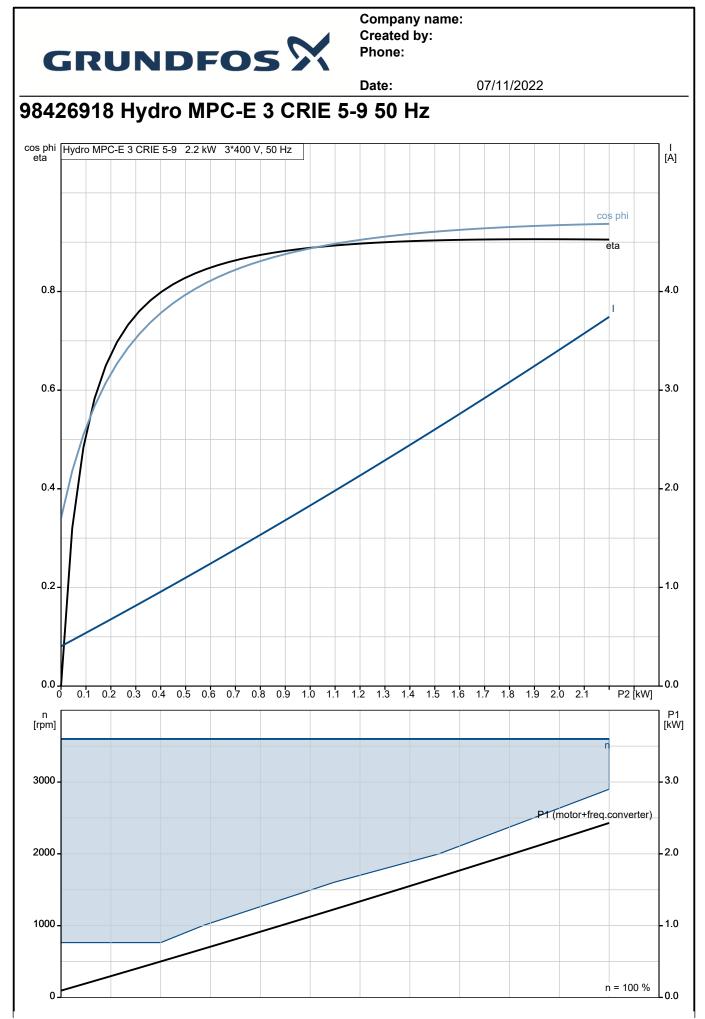






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Config.file Hydro MPC:

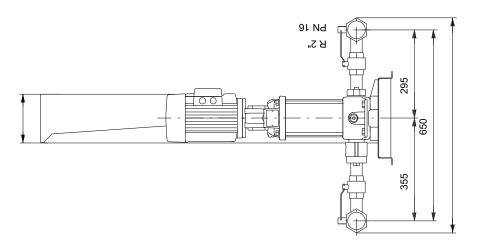


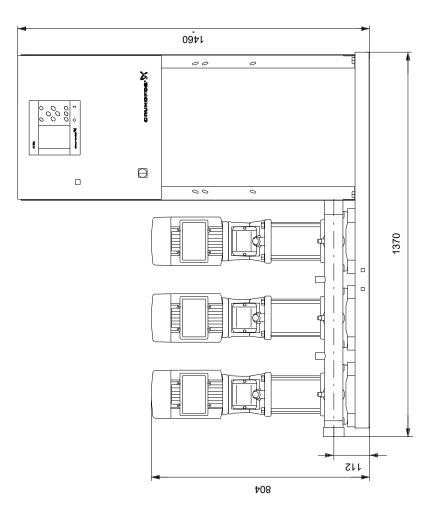


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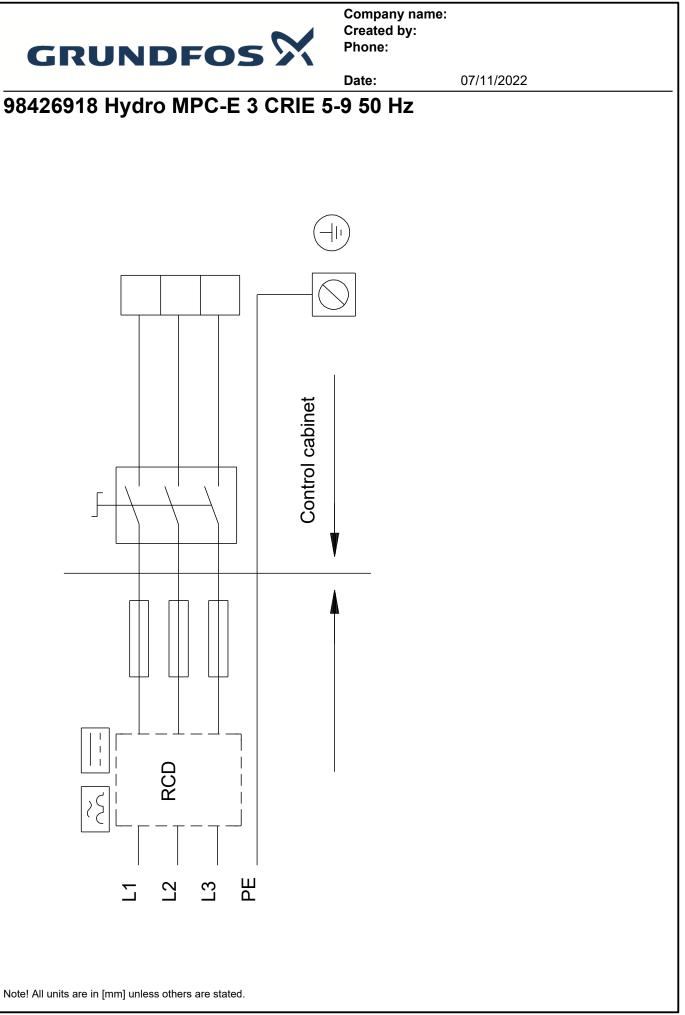
07/11/2022

98426918 Hydro MPC-E 3 CRIE 5-9 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 3 CRIE 5-9 1 98426918 Price on request