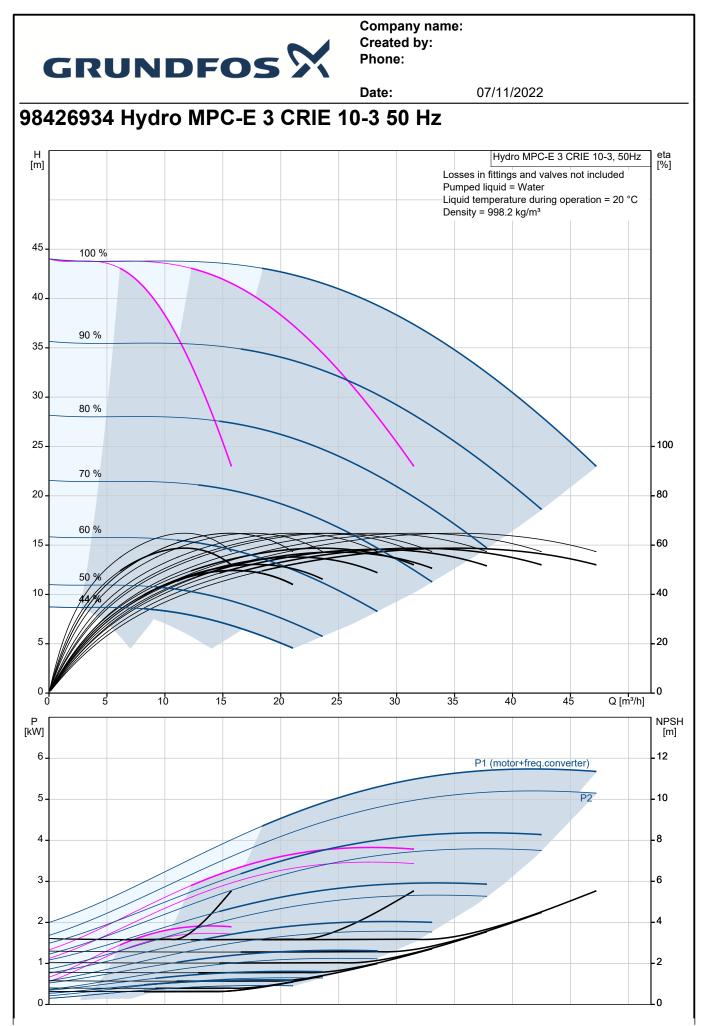


		Date:	07/11/2022					
De	escription							
H	/dro MPC-E 3 CRIE 10-3							
	1							
Pr	Note! Product picture may differ from actual product Product No.: 98426934							
''	0000110 00420004							
Pr	essure booster system supplied as compact	assembly according to	DIN standard 1988/T5.					
AI	pumps are speed-controlled.							
r	om 0.37 to 11 kW, the booster system is equi		PL CRIE numer with algotranically					
co	mmutated permanent-magnet motors with ex	tremely high efficiency	. The total efficiency of the motor including t					
fre	equency converter applies to IE5 level in IEC6	50034-31.						
Fr	om 15 to 22 kW, the booster system is equip	ped with CR, CRE, CR	I, CRIE pumps with motors with integrated					
fre	quency control. The total efficiency of the mo C60034-31, even though this standard only a	otor including the freque	ency converter is better than the IE3 level in					
		FF						
			us adjustment of the speed of the pumps. tting in/out the required number of pumps ar					
	through parallel control of the pumps in	operation.	ung mout the required number of pumps an					
	* Pump changeover is automatic and dep	ends on load, time and	fault.					
Tr	e system consists of these parts:							
	ertical, multistage, centrifugal pumps, type CF							
Pu	Imp parts in contact with the pumped liquid a Imp bases and heads are of either cast iron/s	stainless steel (CRI) or	cast iron EN-GJS-500-7 (CR), depending or					
1.	mp type; other vital parts are made of stainle							
	<ul> <li>ne pumps are equipped with a service-friendly</li> <li>* Two stainless steel manifolds to EN DIN</li> </ul>		IQQE (SIC/SIC/EPDM)					
	* Stainless steel base frame to EN DIN 1. galvanized I-Beam frame	4301 up to CR 90; abo	ve CR 90 the pumps are placed on a					
	* One non-return valve (POM) and two iso	plating valves for each	pump					
	* Non-return valves are certified according		alves according to DIN and DVGW					
	<ul> <li>* Adapter with isolating valve for connection</li> <li>* Pressure gauge and pressure transmittee</li> </ul>		mA)					
	* Control MPC in a steel cabinet, IP54, ind	cluding main switch, all	required fuses, motor protection, switching					
	equipment and microprocessor-controlle	ed CU 352.						
Dr	y-running protection and diaphragm tank are	available according to	the list of accessories.					
P	Imp operation is controlled by Control MPC w	ith the following function	nns.					
*		Iltipump controller, CU						
	Constant-pre each individu		continuously variable adjustment of the spee					
		r with adjustable PI par	rameters (Kp + Ti).					
	Constant pre	ssure at setpoint, indep	pendent of inlet pressure.					
	•	e build-up (To prevent v tion at low flow.	vater hammer during startup).					
	Automatic ca	scade control of pumps	s for optimum efficiency.					
1			/stop, automatic pump changeover and pum					

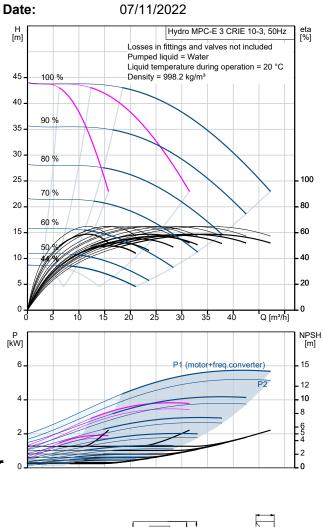


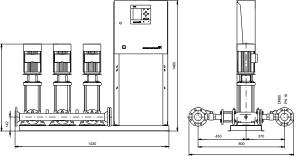
Description			
			vent idle pumps from seizing up.
	Possibility of stand		
			lant primary sensor).
			h to another sensor/setpoint).
		6 sensors to influ	ience the setpoint).
	Manual operation.		
	Possibility of extern	nal setpoint influe	nce.
	Log function.		
	Setpoint ramp.		
	Possibility of digita	l remote-control fu	unctions:
	System on/off.		
	Max., min. or user-	defined duty.	
	Up to 6 alternative	setpoints.	
	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.	C C	
	Sensors and cable	s monitored for m	alfunction.
	Alarm log with the	previous 24 warni	ings/alarms.
	Display and indicat		0
	Colour screen disp		
			dications and red indicator light for fault
	indications		6
	Potential-free chan	geover contacts f	or operation and fault.
	Grundfos bus com		•
It is possible to add CIM com	-		vith Scada/BMS.
It is possible to add CIM com Pumps, piping, cabling comp The booster system has bee	munication modules for lete as well as Control N	communicating w	
Pumps, piping, cabling comp The booster system has bee	munication modules for lete as well as Control M n preset and tested.	communicating w	
Pumps, piping, cabling comp The booster system has bee There are options to upgrade	munication modules for lete as well as Control M n preset and tested.	communicating w	
Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system.	munication modules for lete as well as Control M n preset and tested.	communicating w	
Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system. Flow media:	umunication modules for lete as well as Control M n preset and tested. the pressure Water	communicating w	
Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system. Flow media: Allowed liquid temp.:	munication modules for lete as well as Control M n preset and tested.	communicating w	
Pumps, piping, cabling comp The booster system has bee There are options to upgrade boosting system. Flow media: Allowed liquid temp.: System pressure max.:	Imunication modules for lete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C	communicating w	
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):	amunication modules for elete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar 47.1 m³/h	communicating w	
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	imunication modules for lete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar 47.1 m³/h ump acc. DIN 1988/T5:	communicating w	
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:	imunication modules for elete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar 47.1 m³/h ump acc. DIN 1988/T5: 15 A	communicating w	
Pumps, piping, cabling comp The booster system has bee December of the poster system has bee boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pu Nom. current of plant: Nominal power:	wunication modules for lete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar 47.1 m³/h ump acc. DIN 1988/T5: 15 A 2.2 kW	communicating w	
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:	imunication modules for elete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar 47.1 m³/h ump acc. DIN 1988/T5: 15 A	communicating w	
Pumps, piping, cabling comp The booster system has bee December boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pu Nom. current of plant: Nominal power:	wunication modules for lete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar 47.1 m³/h ump acc. DIN 1988/T5: 15 A 2.2 kW	communicating w	
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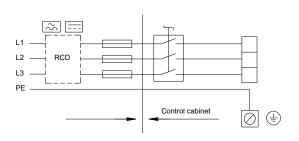


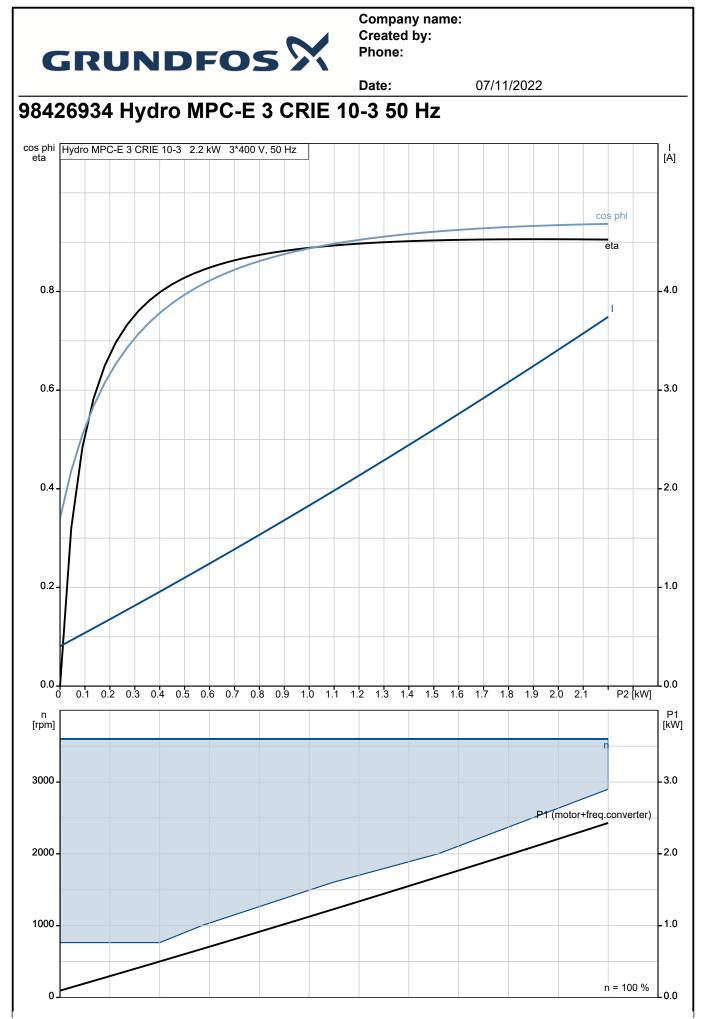


Description	Value
General information:	
Product name:	Hydro MPC-E 3 CRIE 10-3
Product No:	98426934
EAN number:	5711494818389
Technical:	
Rated flow:	36.3 m³/h
Max flow:	47.1 m³/h
Max flow system:	36 m³/h
Rated head:	34.9 m
Head max:	44.2 m
Main pump name:	CRIE 10-3
Main pump No:	98390285
Number of pumps:	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 permissible inlet pressure:	13.6 bar
Manifold inlet:	DN80
Manifold outlet:	DN80
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:	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
Radio interference supression:	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 I
Diaphragm tank:	Yes
Others:	
Basis plant:	Y
Net weight:	215 kg
Gross weight:	234 kg
Sales region:	Great Britain
Config. file no:	98272346
Config.file Control MPC:	98271947
-	
Config.file Hydro MPC:	98272014







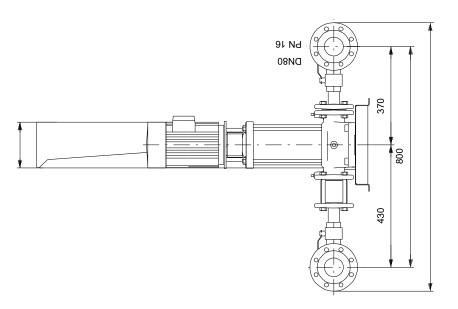


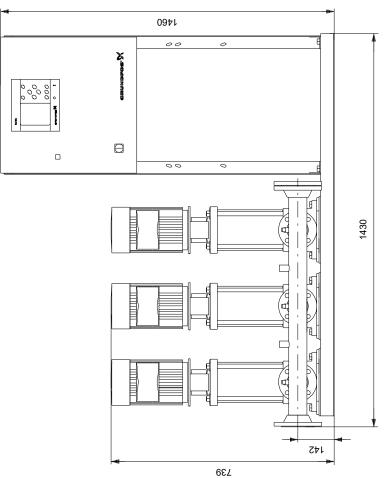


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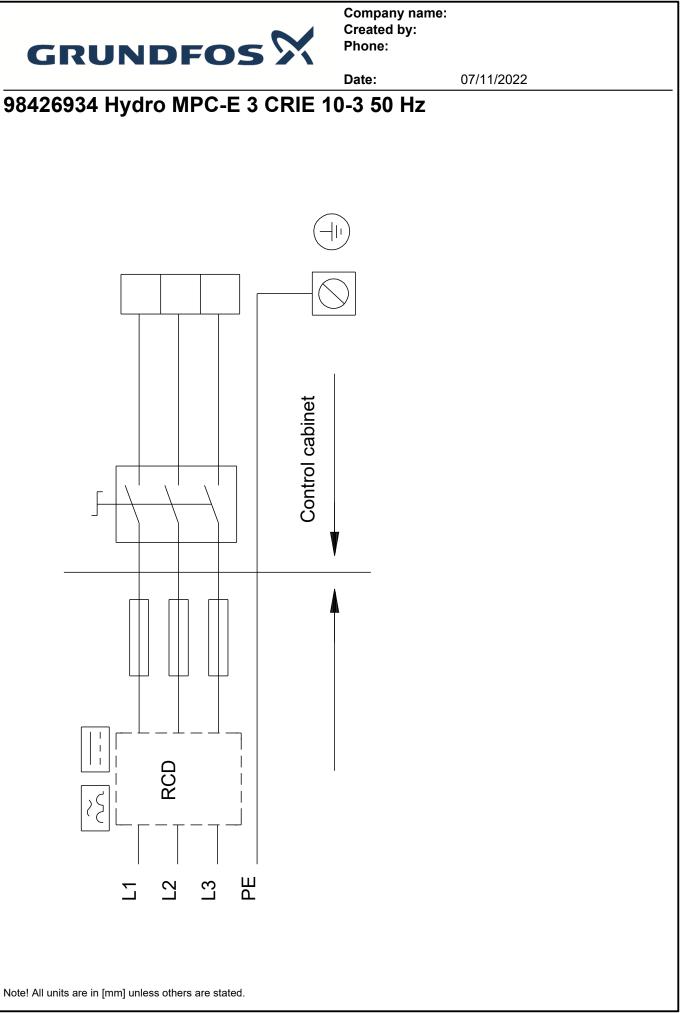
07/11/2022

## 98426934 Hydro MPC-E 3 CRIE 10-3 50 Hz





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





07/11/2022 Date: Order Data: 1. 1 . -. . .

Position	Your pos.	Product name	Amount	Product No	Total
		Hydro MPC-E 3 CRIE 10-3	1	98426934	Price on request
					request