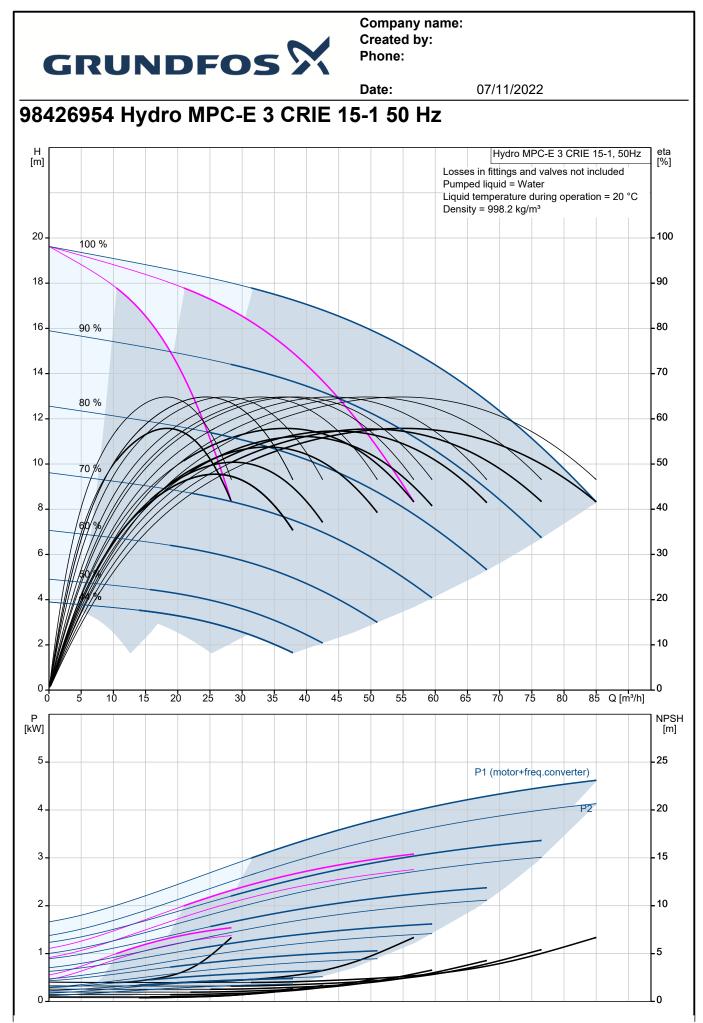


	Date:	07/11/2022					
Description							
Hydro MPC-E 3 CRIE 15-1							
Note! Product picture may differ from actual product							
Product No.: 98426954							
Pressure booster system supplied as compact a	assembly according to	DIN standard 1988/T5.					
All pumps are speed-controlled.							
From 0.37 to 11 kW, the booster system is equi commutated permanent-magnet motors with ex	tremely high efficiency						
frequency converter applies to IE5 level in IEC6	0034-31.						
From 15 to 22 kW, the booster system is equipp	ed with CR_CRF_CR	CRIF pumps with motors with integrated					
frequency control. The total efficiency of the mo	tor including the freque	ency converter is better than the IE3 level in					
IEC60034-31, even though this standard only applies to the motor.							
		us adjustment of the speed of the pumps.					
 The system performance is adapted to the through parallel control of the pumps in c 	ne demand through cu operation.	tting in/out the required number of pumps ar					
* Pump changeover is automatic and depe	ends on load, time and	fault.					
The system consists of these parts:							
:vertical, multistage, centrifugal pumps, type CR							
Pump parts in contact with the pumped liquid ar Pump bases and heads are of either cast iron/s							
pump type; other vital parts are made of stainles	ss steel EN DIN 1.430	1					
The pumps are equipped with a service-friendly * Two stainless steel manifolds to EN DIN		IQQE (SIC/SIC/EPDM)					
* Stainless steel base frame to EN DIN 1.4		ve CR 90 the pumps are placed on a					
galvanized I-Beam frame * One non-return valve (POM) and two iso	lating values for each	numn					
* Non-return valves are certified according							
* Adapter with isolating valve for connection							
 Pressure gauge and pressure transmitte Control MPC in a steel cabinet, IP54, inc 		required fuses, motor protection, switching					
equipment and microprocessor-controlle	d CU 352.						
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-pres	ssure control through c	continuously variable adjustment of the spee					
each individua PID controller	al pump. with adjustable PI par	rameters (Kn + Ti)					
		bendent of inlet pressure.					
Soft pressure	build-up (To prevent v	vater hammer during startup).					
•	ion at low flow. scade control of pumps	s for optimum efficiency.					
		/stop, automatic pump changeover and pum					

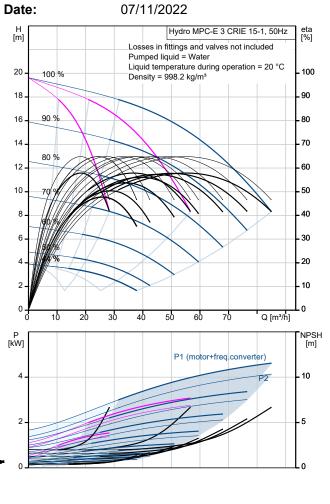


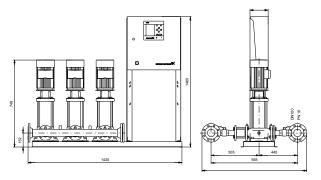
Description			
			vent idle pumps from seizing up.
	Possibility of stand		
			ant primary sensor).
			h to another sensor/setpoint).
	Multi-sensor (up to	6 sensors to influ	ence the setpoint).
	Manual operation.		
	Possibility of extern	nal setpoint influe	nce.
	Log function.		
	Setpoint ramp.		
	Possibility of digita	l remote-control fu	inctions:
	System on/off.		
	Max., min. or user-		
	Up to 6 alternative		e
			nfigured individually.
	Pump and system		
	Minimum and max	mum limits of cur	rent value.
	Inlet pressure.	opitoring	
	Non-return valve m	ionitoring.	
	Motor protection. Sensors and cable		
	Alarm log with the		ngs/aiarms.
	Display and indicat		
	Colour screen disp		diantiana and rad indiantar light for fault
	indications	it for operating in	dications and red indicator light for fault
		aeover contacts f	or operation and fault.
			or operation and lault.
	Grundfos bus com	munication.	
It is possible to add CIM com	-		ith 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 There are options to upgrade	nmunication 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.	nmunication modules for elete 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:	nmunication modules for elete 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.:	nmunication modules for elete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C	communicating w	
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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 85.2 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	amunication modules for elete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar 85.2 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 Nom. current of plant:	amunication modules for olete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar 85.2 m³/h ump acc. DIN 1988/T5: 9 A	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: Nominal power:	munication modules for olete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar 85.2 m³/h ump acc. DIN 1988/T5: 9 A 1.5 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:	amunication modules for olete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar 85.2 m³/h ump acc. DIN 1988/T5: 9 A	communicating w	
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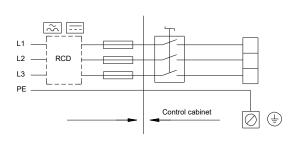




Description	Value
General information:	
Product name:	Hydro MPC-E 3 CRIE 15-1
Product No:	98426954
EAN number:	5711494818587
Technical:	
Rated flow:	61.5 m³/h
Max flow:	85.2 m³/h
Max flow system:	52 m³/h
Rated head:	14.5 m
Head max:	19.6 m
Main pump name:	CRIE 15-1
Main pump No:	98390727
Number of pumps:	3
Non-ret, valve:	at discharge side
Materials:	
Manifolds:	EN/DIN 1.4571/ AISI 316 Ti
Installation:	EN/DIN 1.437 1/ AISI 310 11
Range of ambient temperature:	540 °C
•	16 bar
Maximum operating pressure:	
Maximum permissible inlet pressure:	15.1 bar
Manifold inlet:	DN100
Manifold outlet:	DN100
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/m ³
Electrical data:	555.2 kg/m
	1.5 kW
Power (P2) main pump:	50 Hz
Mains frequency:	
Rated voltage:	3 x 380-415 V
Rated current of system:	9 A
Start. method:	electronically
Enclosure class (IEC 34-5):	
Radio interference supression:	EMC DIRECTIVE(2014/30/EU)
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:	121
Diaphragm tank:	Yes
Others:	
Basis plant:	Υ
Net weight:	226 kg
Gross weight:	245 kg
Sales region:	Great Britain
Config. file no:	98272401
Config.file Control MPC:	98271947
	00070044

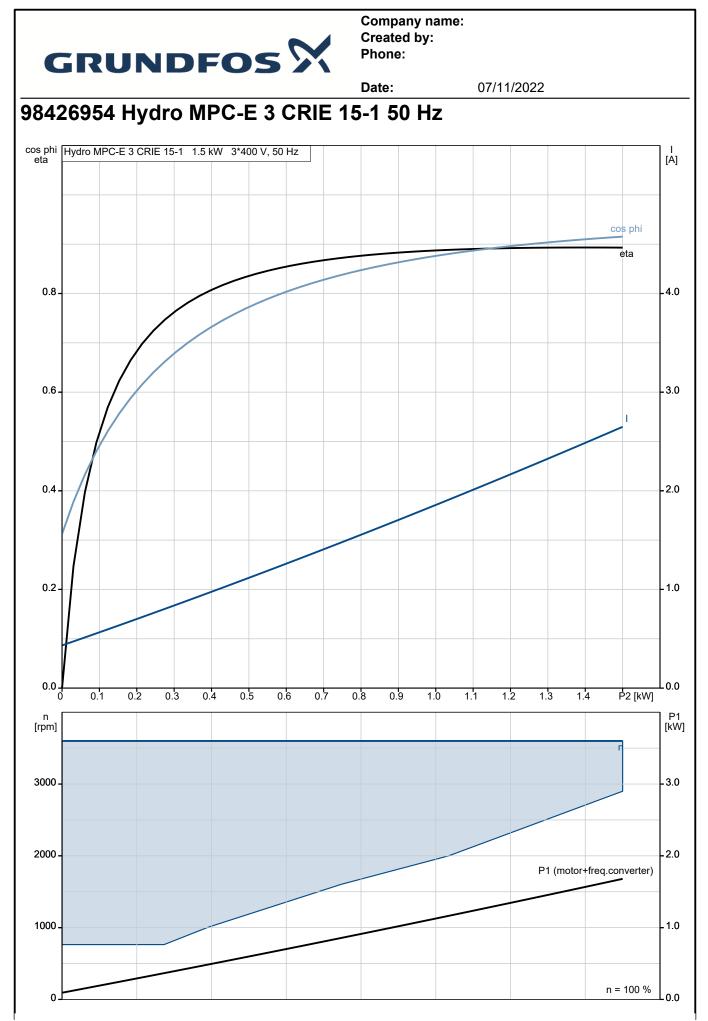






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Config.file Hydro MPC:

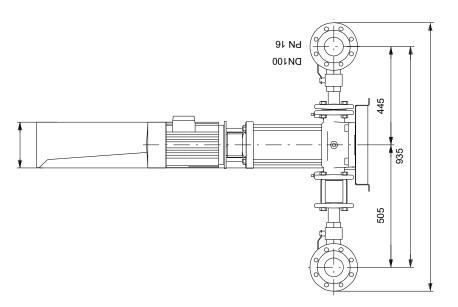


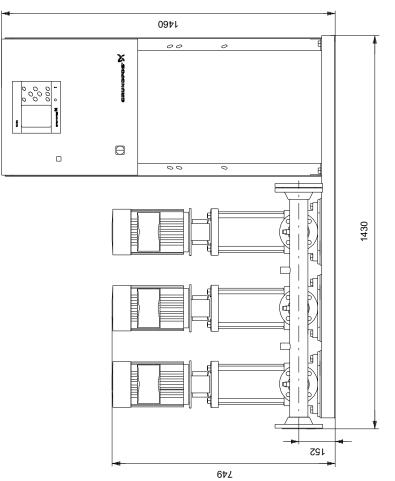


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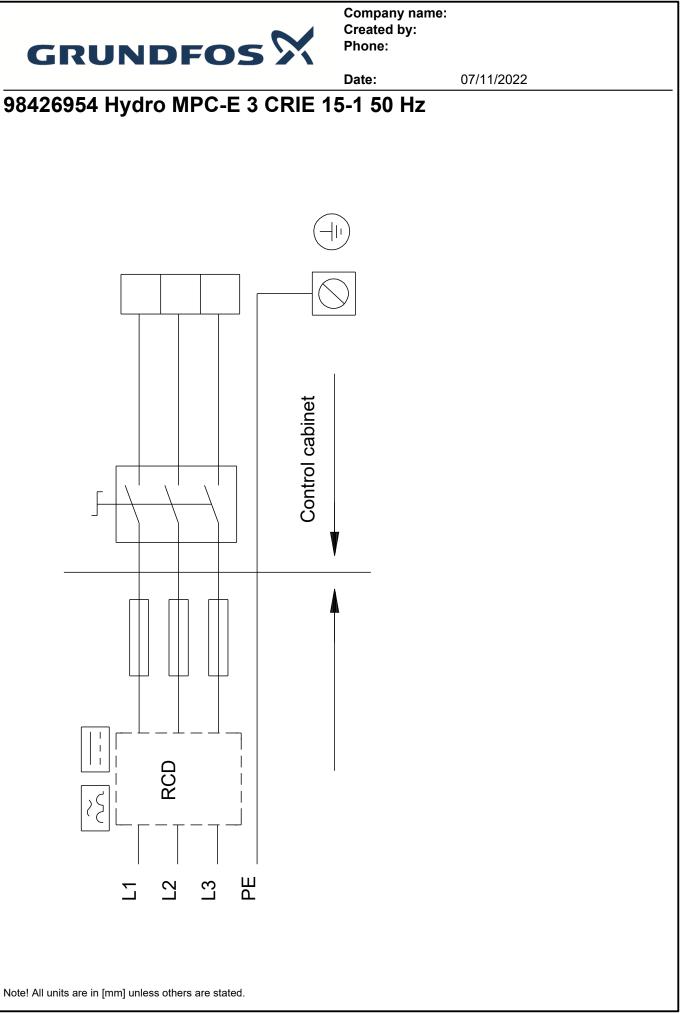
07/11/2022

98426954 Hydro MPC-E 3 CRIE 15-1 50 Hz





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





Your pos.

Position

Company name: Created by: Phone:

07/11/2022 Date: **Order Data:** Total **Product name** Amount **Product No** Hydro MPC-E 3 CRIE 15-1 1 98426954 Price on request

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