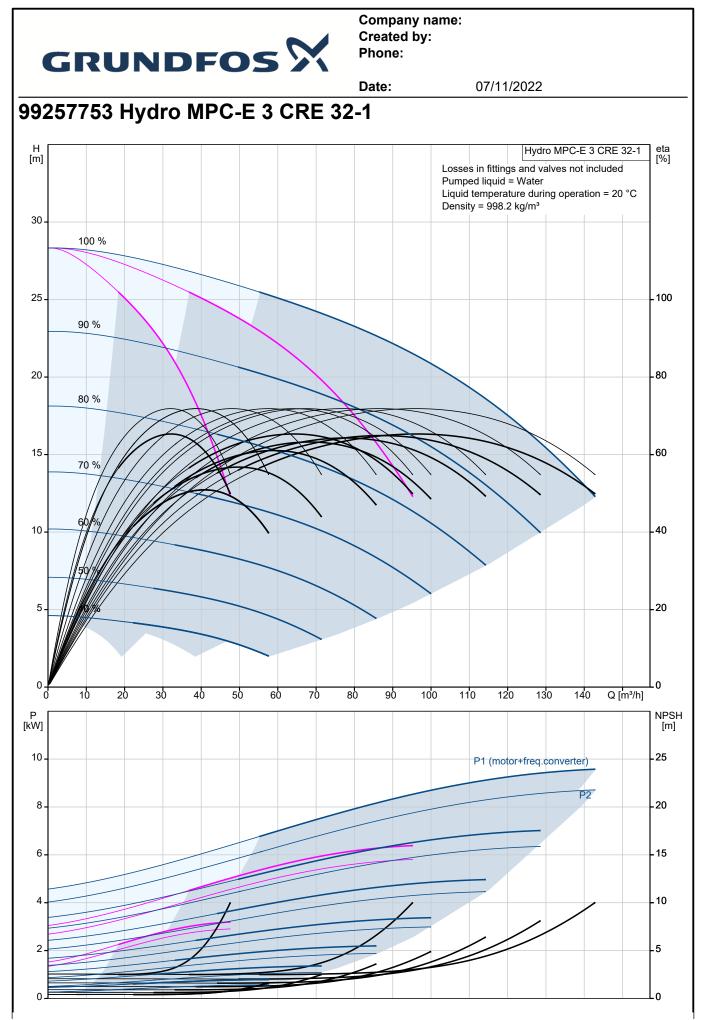


G	RUNDFO	5 21	
		Date:	07/11/2022
	scription		
Hy	dro MPC-E 3 CRE 32-1		
	0 910		
	N	ote! Product picture may differ from	actual product
Pro	oduct No.: 99257753		
Pre	essure booster system supplied as o	compact assembly according	to DIN standard 1988/T5.
All	pumps are speed-controlled.		
Fro	om 0.37 to 11 kW, the booster syste	m is equipped with CR, CRE,	CRI, CRIE pumps with electronically
free	quency converter applies to IE5 leve	el in IEC60034-31.	cy. The total efficiency of the motor including the
free	quency control. The total efficiency	of the motor including the free	RI, CRIE pumps with motors with integrated puency converter is better than the IE3 level in
IEC	C60034-31, even though this standa	ard only applies to the motor.	
	* Hydro MPC-E maintains a cons	stant pressure through continu	ious adjustment of the speed of the pumps.
	* The system performance is ada through parallel control of the p		cutting in/out the required number of pumps an
	 * Pump changeover is automatic 	• •	nd fault.
The	e system consists of these parts:		
	rtical, multistage, centrifugal pumps	s, type CRE 32-1	
	mp parts in contact with the pumper		
Pui pur	mp bases and heads are of either c mp type; other vital parts are made	of stainless steel EN DIN 1.43	or cast iron EN-GJS-500-7 (CR), depending or 301
The	e pumps are equipped with a servic		HQQE (SiC/SiC/EPDM)
	 * Two stainless steel manifolds to * Stainless steel base frame to E 		pove CR 90 the pumps are placed on a
	galvanized I-Beam frame * One non-return valve (POM) ar	d two is a lating walking far and	
	One non-return valve (r Ow) a		valves according to DIN and DVGW
	* Adapter with isolating valve for	connection of diaphragm tank	<u> </u>
	 Pressure gauge and pressure t Control MPC in a steel cabinet 		0 mA) all required fuses, motor protection, switching
	equipment and microprocessor		an required ruses, motor protection, switching
Dn	/-running protection and diaphragm	tank are available according	to the list of accessories
		·	
Pui	mp operation is controlled by Contro Intel	ol MPC with the following func lligent multipump controller, C	
	Con	stant-pressure control through	n continuously variable adjustment of the spee
		h individual pump.	eremetere (Kn + Ti)
		controller with adjustable PI p stant pressure at setpoint, ind	
	Soft	pressure build-up (To preven	t water hammer during startup).
		off operation at low flow. omatic cascade control of pum	nos for optimum efficiency
			art/stop, automatic pump changeover and pum



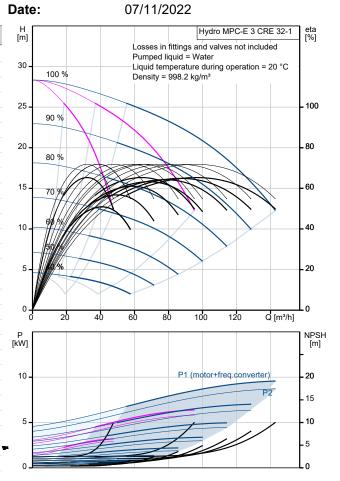
Description			
			vent idle pumps from seizing up.
	Possibility of stand	• • •	
			lant primary sensor).
			h to another sensor/setpoint).
	Multi-sensor (up to	6 sensors to influ	ence the setpoint).
	Manual operation.		
	Possibility of extern	al setpoint influe	nce.
	Log function.		
	Setpoint ramp.		
	Possibility of digital	remote-control fu	unctions:
	System on/off.		
	Max., min. or user-		
	Up to 6 alternative		
	Digital inputs and o	utputs can be co	nfigured individually.
	Pump and system r	monitoring function	ons:
	Minimum and maxi	mum limits of cur	rent value.
	Inlet pressure.		
	Non-return valve m	onitoring.	
	Motor protection.		
	Sensors and cables	s monitored for m	alfunction.
	Alarm log with the p	previous 24 warn	ings/alarms.
	Display and indicati	ion functions:	
	Colour screen displ	ay.	
		it for operating in	dications and red indicator light for fault
	indications		
	Potential-free change	geover contacts f	or operation and fault.
	Grundfos bus comr		
It is possible to add CIM com	-		vith Scada/BMS.
Pumps, piping, cabling comp	munication modules for lete as well as Control M	communicating w	
Pumps, piping, cabling comp The booster system has beer	munication modules for lete as well as Control M n preset and tested.	communicating w	
Pumps, piping, cabling comp The booster system has beer There are options to upgrade	munication modules for lete as well as Control M n preset and tested.	communicating w	
Pumps, piping, cabling compl The booster system has beer 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 compl The booster system has beer There are options to upgrade boosting system. Flow media:	munication modules for o lete as well as Control M n preset and tested. the pressure Water	communicating w	
Pumps, piping, cabling compl The booster system has beer There are options to upgrade boosting system. Flow media: Allowed liquid temp.:	munication modules for o 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 beer There are options to upgrade boosting system. Flow media: Allowed liquid temp.: System pressure max.:	munication modules for o lete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar	communicating w	
Pumps, piping, cabling compl The booster system has beer There are options to upgrade boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant):	munication modules for o lete as well as Control M n preset and tested. the pressure Water 5 °C 60 °C 16 bar 144 m³/h	communicating w	
Pumps, piping, cabling compl The booster system has been There are options to upgrade boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pu	munication modules for on lete as well as Control M in preset and tested. the pressure Water 5 °C 60 °C 16 bar 144 m³/h ump acc. DIN 1988/T5:	communicating w	
Pumps, piping, cabling compl The booster system has been 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:	munication modules for on lete as well as Control M in preset and tested. the pressure Water 5 °C 60 °C 16 bar 144 m³/h imp acc. DIN 1988/T5: 14.4 A	communicating w	
Pumps, piping, cabling compl The booster system has been 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 on lete as well as Control M in preset and tested. the pressure Water 5 °C 60 °C 16 bar 144 m³/h imp acc. DIN 1988/T5: 14.4 A 3 kW	communicating w	
Pumps, piping, cabling compl The booster system has been 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 on lete as well as Control M in preset and tested. the pressure Water 5 °C 60 °C 16 bar 144 m³/h imp acc. DIN 1988/T5: 14.4 A	communicating w	
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It is possible to add CIM com Pumps, piping, cabling compl The booster system has beer 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: Net weight:	munication modules for on lete as well as Control M in preset and tested. the pressure Water 5 °C 60 °C 16 bar 144 m³/h imp acc. DIN 1988/T5: 14.4 A 3 kW	communicating w	
Pumps, piping, cabling compl The booster system has been 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 on lete as well as Control M in preset and tested. the pressure Water 5 °C 60 °C 16 bar 144 m³/h imp acc. DIN 1988/T5: 14.4 A 3 kW	communicating w	
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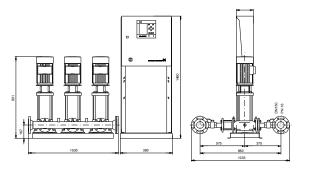


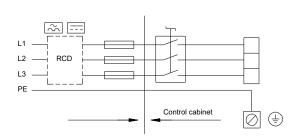


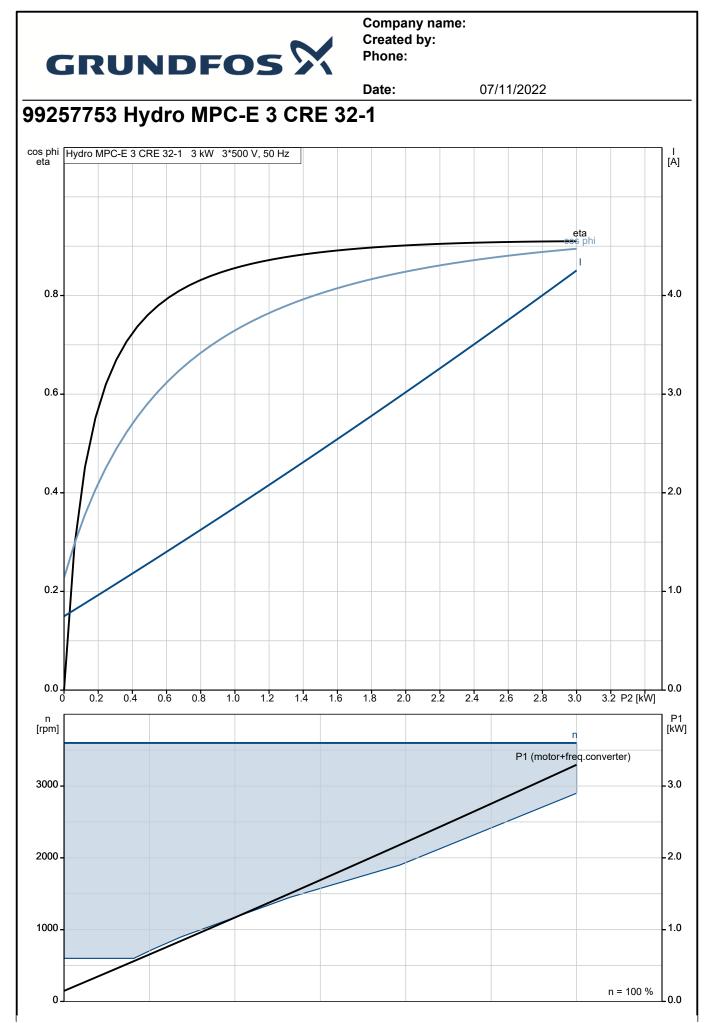
Description	Value
General information:	
Product name:	Hydro MPC-E 3 CRE 32-1
Product No:	99257753
EAN number:	5713826112189
Technical:	
Rated flow:	108 m³/h
Max flow:	144 m³/h
Max flow system:	96 m³/h
Rated head:	20.6 m
Head max:	29 m
Main pump name:	CRE 32-1
Main pump No:	99071938
Number of pumps:	3
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
Manifold inlet:	DN150
Manifold outlet:	DN150
Pressure rating:	PN 16
Earth connection:	N, PE
System design:	D
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:	3 kW
Mains frequency:	50 / 60 Hz
Rated voltage:	3 x 380-415 V
Rated current of system:	14.4 A
Start. method:	electronically
Enclosure class (IEC 34-5):	IP54
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:	
Maluma of muchanism touls	101

Volume of pressure tank:	12
Diaphragm tank:	Yes
Others:	
Basis plant:	Y
Net weight:	424 kg
Gross weight:	461 kg
Sales region:	Great Britain
Config. file no:	98272420
Config.file Control MPC:	98271947
Config.file Hydro MPC:	98272014





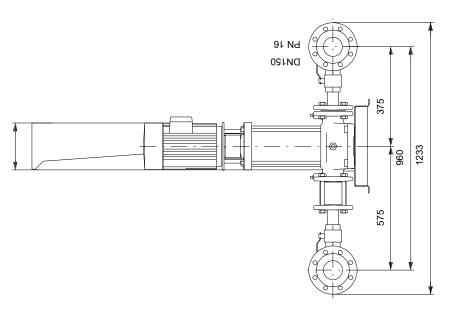


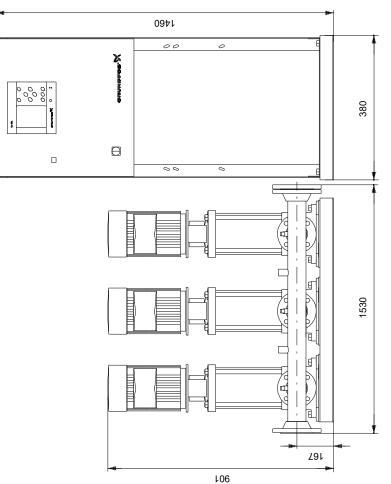




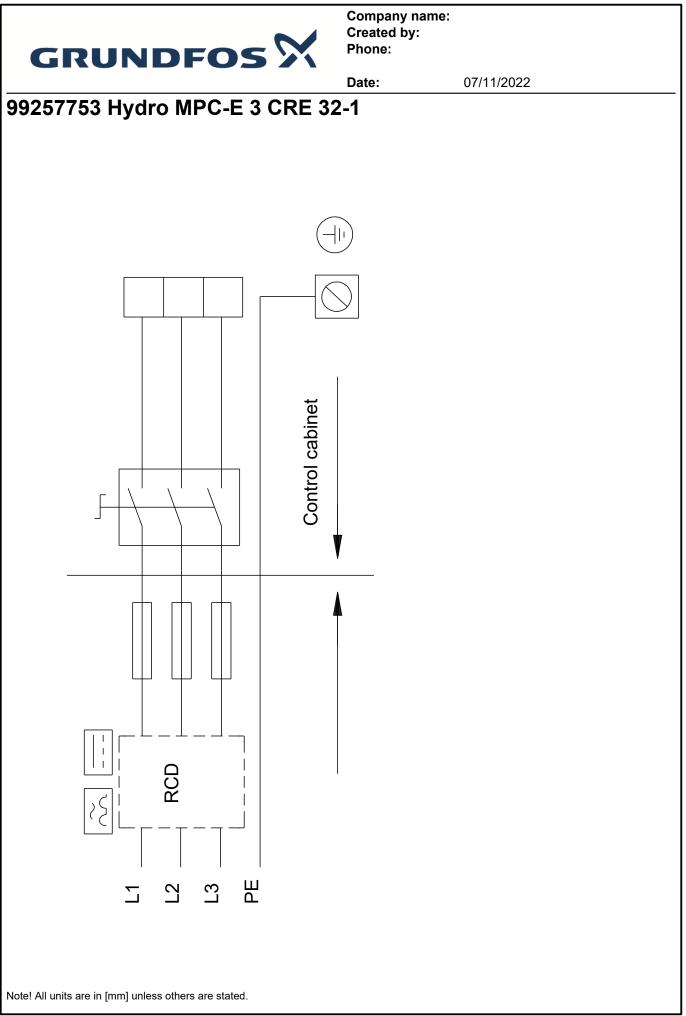
07/11/2022

99257753 Hydro MPC-E 3 CRE 32-1





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





Date: 07/11/2022 **Order Data:** Position | Your pos. | **Product name** Amount | Product No | Total

	Hydro MPC-E 3 CRE 32-1	1	99257753	Price on request