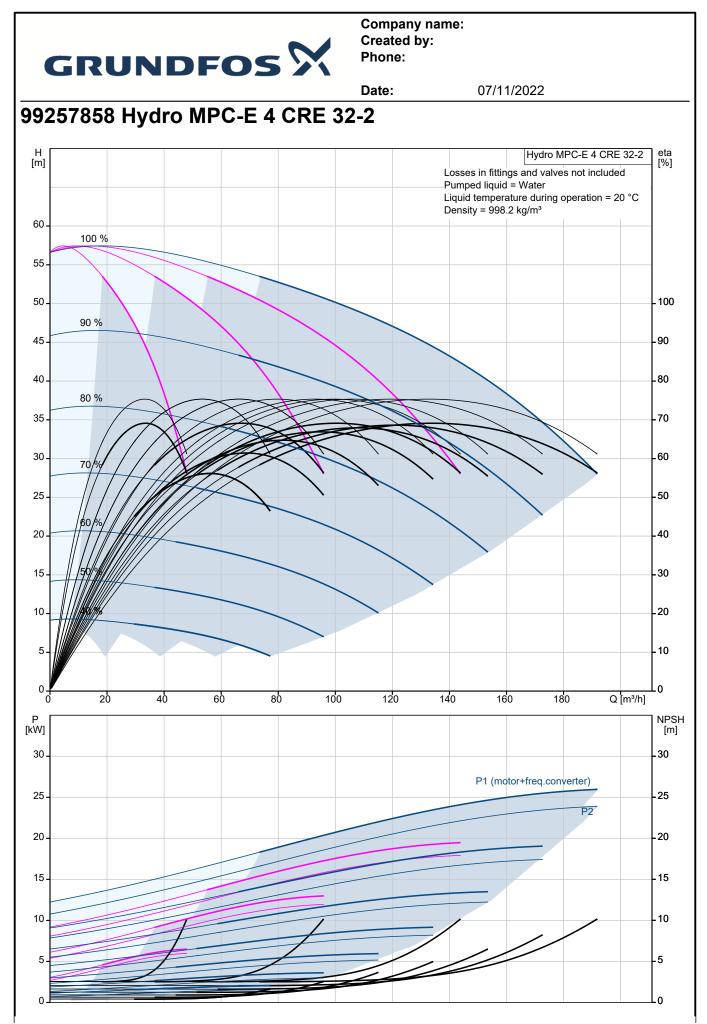


_		Date:	07/11/2022			
	Description					
	Hydro MPC-E 4 CRE 32-2					
	Note! Product p	icture may differ from a	ctual product			
	Product No.: 99257858					
	Pressure booster system supplied as compact ass	embly according to	DIN standard 1988/T5.			
	All pumps are speed-controlled.					
	From 0.37 to 11 kW, the booster system is equipp	ed with CR CRE C	RI CRIF numps with electronically			
	commutated permanent-magnet motors with extre frequency converter applies to IE5 level in IEC600	mely high efficiency	. The total efficiency of the motor including t			
		34-31.				
	From 15 to 22 kW, the booster system is equipped frequency control. The total efficiency of the motor	with CR, CRE, CR	I, CRIE pumps with motors with integrated			
	IEC60034-31, even though this standard only appl	lies to the motor.				
	* Hydro MPC-E maintains a constant pressu	re through continuo	us adjustment of the speed of the pumps			
	* The system performance is adapted to the	demand through cu	itting in/out the required number of pumps ar			
	 through parallel control of the pumps in ope * Pump changeover is automatic and dependence 		l fault.			
		,				
	The system consists of these parts: :vertical, multistage, centrifugal pumps, type CRE	32-2				
	Pump parts in contact with the pumped liquid are r	nade of stainless st				
	Pump bases and heads are of either cast iron/stain pump type; other vital parts are made of stainless	steel EN DIN 1.430	cast Iron EN-GJS-500-7 (CR), depending or 1			
	The pumps are equipped with a service-friendly ca * Two stainless steel manifolds to EN DIN 1.4		IQQE (SiC/SiC/EPDM)			
	* Stainless steel base frame to EN DIN 1.430		ove CR 90 the pumps are placed on a			
	galvanized I-Beam frame * One non-return valve (POM) and two isolat	ing values for each	numn			
	* Non-return valves are certified according to					
	 Adapter with isolating valve for connection Pressure gauge and pressure transmitter (a) 		~~~ (1)			
	 Control MPC in a steel cabinet, IP54, include 	ding main switch, al	I required fuses, motor protection, switching			
	equipment and microprocessor-controlled (
	Dry-running protection and diaphragm tank are av	ailable according to	the list of accessories.			
	Pump operation is controlled by Control MPC with the following functions:					
		ump controller, CU				
	Constant-pressu each individual		continuously variable adjustment of the spee			
	-	ith adjustable PI pa	rameters (Kp + Ti).			
	Constant pressu	ire at setpoint, inde	pendent of inlet pressure.			
	Soft pressure bu On/off operation	• • •	water hammer during startup).			
	•		s for optimum efficiency.			
			t/stop, automatic pump changeover and pum			

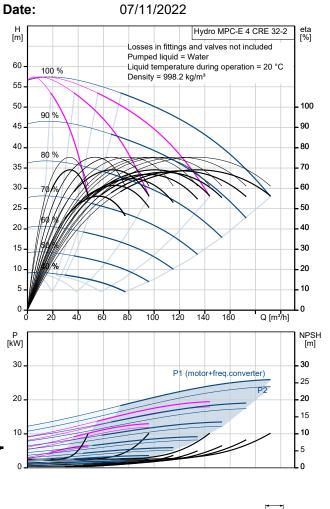


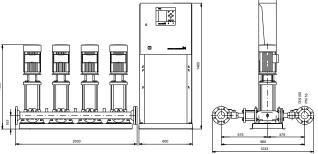
Description				
Description				
			ent idle pumps from seizing up.	
	Possibility of standb			
	Possibility of backu			
	Secondary sensor (Possible to switch	n to another sensor/setpoint).	
	Multi-sensor (up to	6 sensors to influe	ence the setpoint).	
	Manual operation.			
	Possibility of extern	al setpoint influen	ce.	
	Log function.			
	Setpoint ramp.			
	Possibility of digital	remote-control fu	nctions:	
	System on/off.			
	Max., min. or user-o	lefined duty.		
	Up to 6 alternative s			
	Digital inputs and or		figured individually	
	Pump and system r			
	Minimum and maxir			
	Inlet pressure.			
	Non-return valve m	onitoring		
		Shitonng.		
	Motor protection.		16	
	Sensors and cables			
	Alarm log with the p		ngs/alarms.	
	Display and indicati			
	Colour screen displ			
		t for operating ind	lications and red indicator light for fault	
	indications			
			or operation and fault.	
	Grundfos bus comn	nunication.		
It is possible to add CIM communication modules for communicating with Scada/BMS. Pumps, piping, cabling complete as well as Control MPC are mounted on the base frame. The booster system has been preset and tested.				
	preset and tested.			
The booster system has been There are options to upgrade t				
The booster system has been There are options to upgrade t boosting system.	he pressure			
The booster system has been There are options to upgrade t boosting system. Flow media:	he pressure Water			
The booster system has been There are options to upgrade t boosting system. Flow media: Allowed liquid temp.:	he pressure Water 5 °C 60 °C			
The booster system has been There are options to upgrade t boosting system. Flow media: Allowed liquid temp.: System pressure max.:	he pressure Water 5 °C 60 °C 16 bar			
The booster system has been There are options to upgrade t boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant):	he pressure Water 5 °C 60 °C 16 bar 192 m³/h			
The booster system has been There are options to upgrade t boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pun	he pressure 5 °C 60 °C 16 bar 192 m³/h np acc. DIN 1988/T5:	144 m³/h		
The booster system has been There are options to upgrade t boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pun	he pressure Water 5 °C 60 °C 16 bar 192 m³/h	144 m³/h		
The booster system has been There are options to upgrade t boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pun Nom. current of plant: Nominal power:	he pressure 5 °C 60 °C 16 bar 192 m³/h np acc. DIN 1988/T5:	144 m³/h		
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The booster system has been There are options to upgrade t boosting system. Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pun Nom. current of plant: Nominal power:	he pressure Water 5 °C 60 °C 16 bar 192 m³/h np acc. DIN 1988/T5: 56.4 A 7.5 kW	144 m³/h		
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Description	Value
General information:	
Product name:	Hydro MPC-E 4 CRE 32-2
Product No:	99257858
EAN number:	5713826114565
Technical:	
Rated flow:	144 m³/h
Max flow:	192 m³/h
Max flow system:	144 m³/h
Rated head:	43.1 m
Head max:	57.2 m
Main pump name:	CRE 32-2
Main pump No:	99071953
Number of pumps:	4
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:	7.5 kW
Mains frequency:	50 / 60 Hz
Rated voltage:	3 x 380-415 V
Rated current of system:	56.4 A
Start. method:	electronically
Enclosure class (IEC 34-5):	IP54
Radio interference supression:	EMC DIRECTIVE(2014/30/EU)
	0
Number of phases of main pump:	3
Controls:	F
Control type:	
Dry running protection, mechanical:	PRESSURE SENSOR 0-4 BAR
Tank:	
Volume of pressure tank:	12

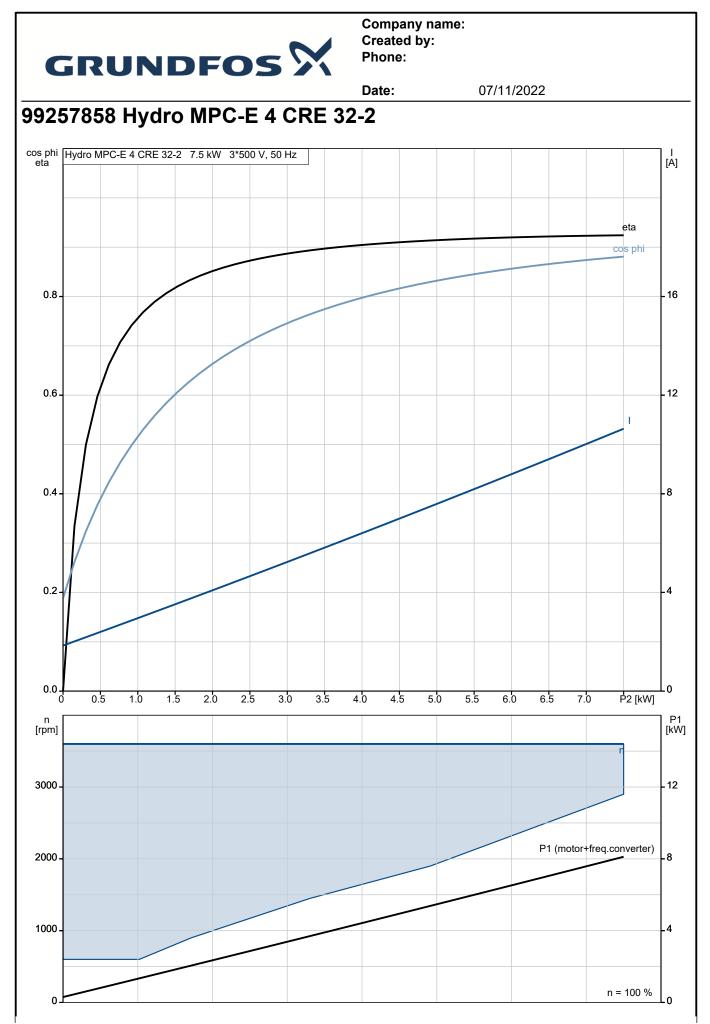




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~ ----L1 L2 RCD F L3 L PE Control cabinet \oslash (=)

Volume of pressure tank:	12
Diaphragm tank:	Yes
Others:	
Basis plant:	Y
Net weight:	680 kg
Gross weight:	739 kg
Sales region:	Great Britain
Config. file no:	98272349
Config.file Control MPC:	98271948
Config.file Hydro MPC:	98272014

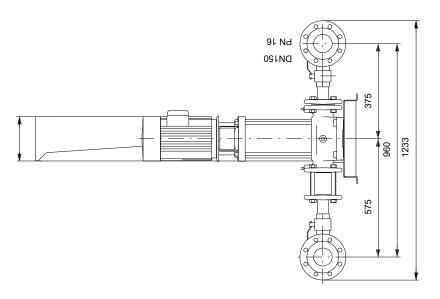


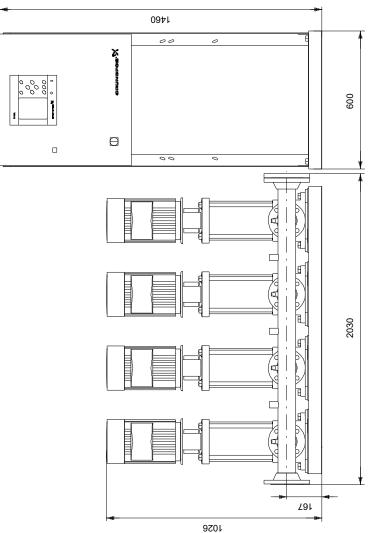


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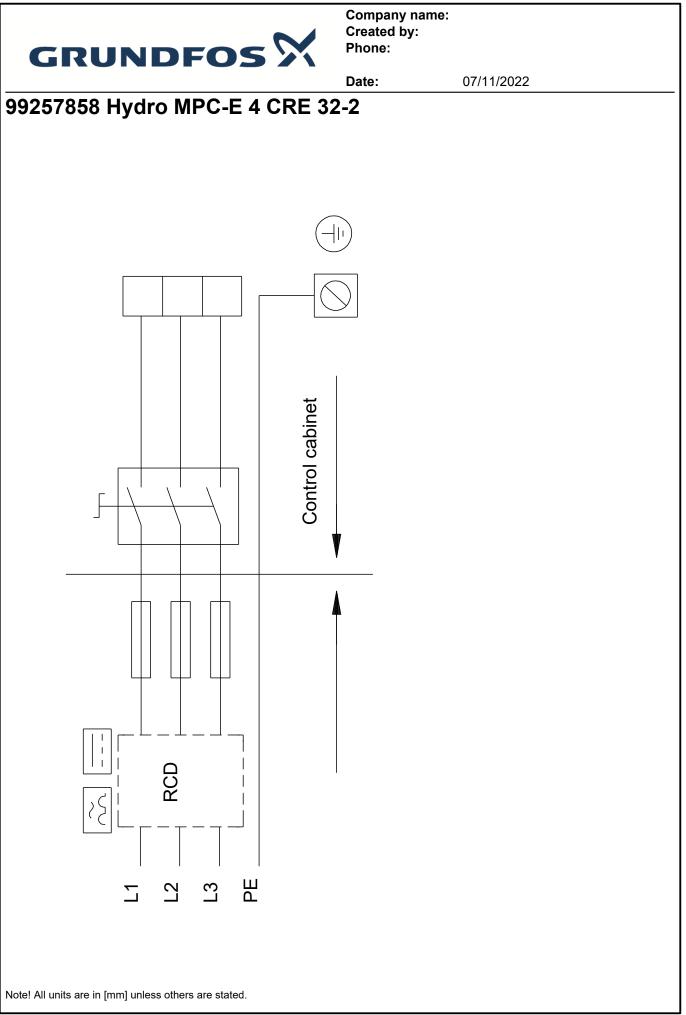
07/11/2022

99257858 Hydro MPC-E 4 CRE 32-2





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:

Date: 07/11/2022 **Order Data: Product name Product No** Total Amount | Hydro MPC-E 4 CRE 32-2 1 99257858 Price on request

			request