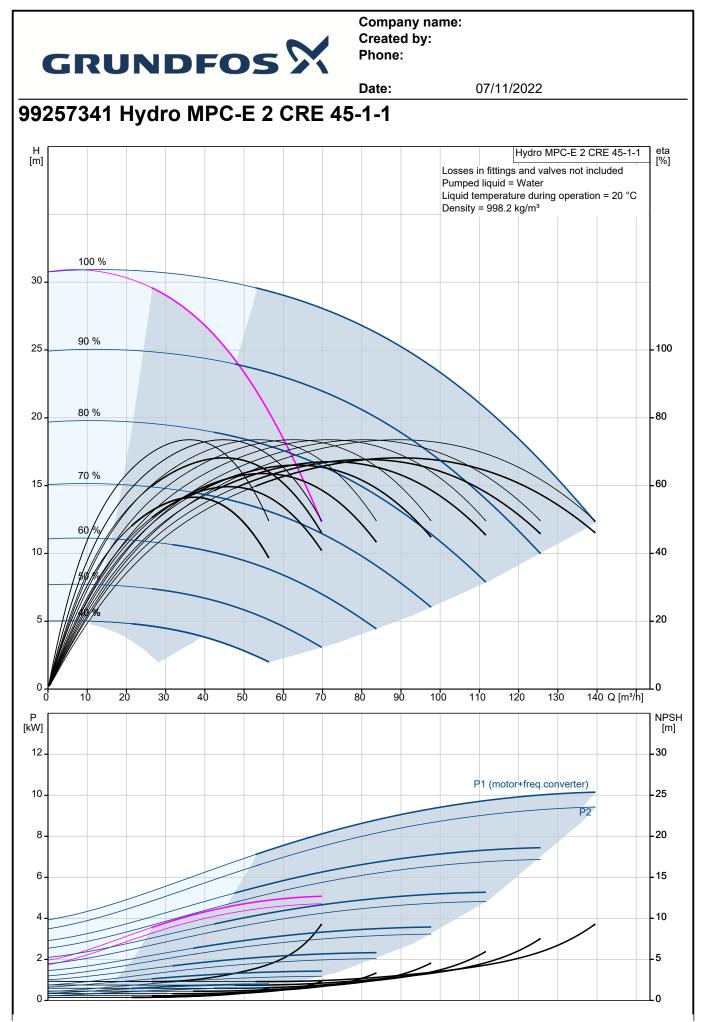




Description						
			vent idle pumps from seizing up.			
	Possibility of stand					
	Possibility of backu	ip sensor (redund	ant primary sensor).			
	Secondary sensor (Possible to switch to another sensor/setpoint).					
	Multi-sensor (up to 6 sensors to influence the setpoint).					
	Manual operation.					
	Possibility of external setpoint influence.					
	Log function.					
	Setpoint ramp.					
	Possibility of digital remote-control functions:					
	System on/off.					
	Max., min. or user-defined duty.					
	Up to 6 alternative setpoints.					
	Digital inputs and outputs can be configured individually.					
	Pump and system monitoring functions:					
	Minimum and maximum limits of current value.					
	Inlet pressure.					
	Non-return valve m	ionitorina.				
	Motor protection.	0				
	Sensors and cable	s monitored for m	alfunction.			
	Alarm log with the					
	Display and indicat					
	Colour screen disp					
			dications and red indicator light for fault			
	indications	in the operations in				
	Potential-free changeover contacts for operation and fault.					
	Grundfos bus com	-	I			
It is possible to add CIM com	-		vith Scada/BMS.			
Pumps, piping, cabling compl	munication modules for ete as well as Control M	communicating w				
Pumps, piping, cabling compl	munication modules for ete as well as Control M	communicating w				
Pumps, piping, cabling compl The booster system has beer There are options to upgrade	munication modules for ete 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 ete as well as Control M n preset and tested. the pressure	communicating w				
Pumps, piping, cabling compl The booster system has beer There are options to upgrade boosting system. Flow media:	munication modules for ete as well as Control M 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 ete as well as Control M preset and tested. the pressure Water 5 °C 60 °C	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.:	munication modules for ete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar	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):	munication modules for ete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar 140 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 ete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar 140 m³/h mp 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 ete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar 140 m³/h mp acc. DIN 1988/T5: 22.4 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 tete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar 140 m³/h mp acc. DIN 1988/T5: 22.4 A 5.5 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 ete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar 140 m³/h mp acc. DIN 1988/T5: 22.4 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 tete as well as Control M preset and tested. the pressure Water 5 °C 60 °C 16 bar 140 m³/h mp acc. DIN 1988/T5: 22.4 A 5.5 kW	communicating w				
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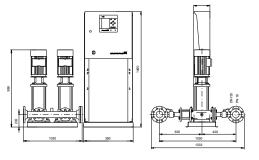


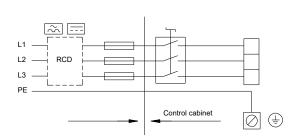
Date:

Description	Value
General information:	
Product name:	Hydro MPC-E 2 CRE 45-1-1
Product No:	99257341
EAN number:	5713826105938
Technical:	
Rated flow:	108 m³/h
Max flow:	140 m³/h
Max flow system:	70 m³/h
Rated head:	22.1 m
Head max:	31 m
Main pump name:	CRE 45-1-1
Main pump No:	99072009
Number of pumps:	2
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/m <sup>3</sup>
Electrical data:	
Power (P2) main pump:	5.5 kW
Mains frequency:	50 / 60 Hz
Rated voltage:	3 x 380-415 V
Rated current of system:	22.4 A
Start, method:	electronically
Enclosure class (IEC 34-5):	IP54
Radio interference supression:	EMC DIRECTIVE(2014/30/EU)
Nadio 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

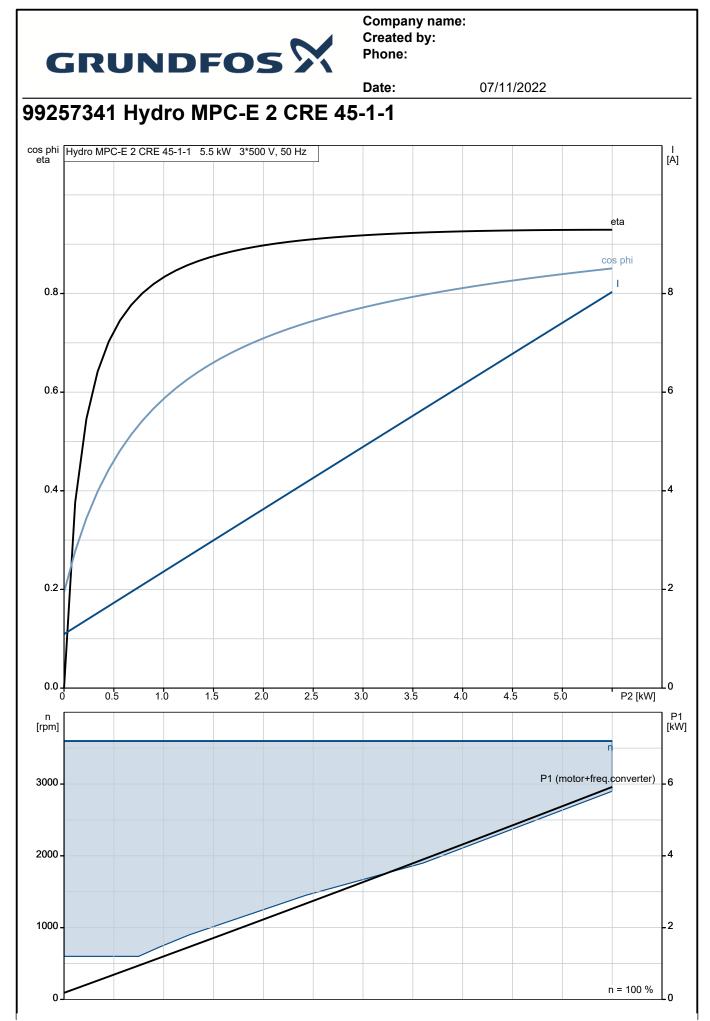
H [m] Losses in fittings and valves not included Pumped liquid = Water Liquid temperature during operation = 20 °C	]
Losses in fittings and valves not included Pumped liquid = Water Liquid temperature during operation = 20 °C	1
Liquid temperature during operation = 20 °C	
Density = 998.2 kg/m <sup>3</sup>	
100 %	
30	
25 90 % 10	0
20 80 %	
20 - 80 % - 80	
15 70 % 60	
60 M	
5 20	
0 <b>1</b> 0 20 40 60 80 100 120 Q [m <sup>3</sup> /h]	
	SH n]
P1 (motor+freq.converter)	
10 20	
- 15	
5	
5	
-3	
0	

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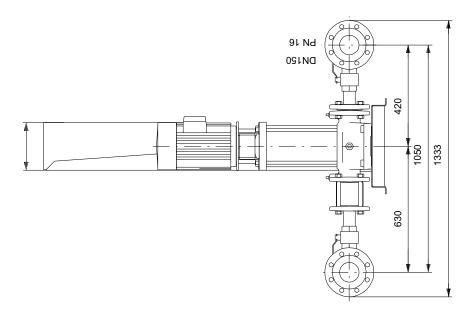
Volume of pressure tank:	12
Diaphragm tank:	Yes
Others:	
Basis plant:	Y
Net weight:	337 kg
Gross weight:	356 kg
Sales region:	Great Britain
Config. file no:	98272440
Config.file Control MPC:	98271946
Config.file Hydro MPC:	98272014

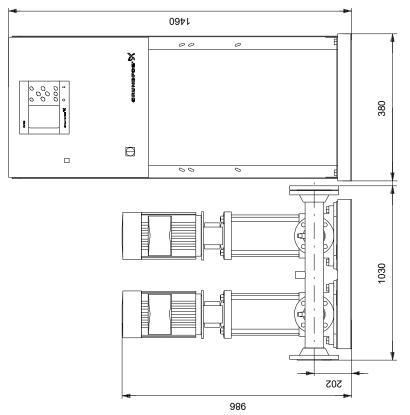




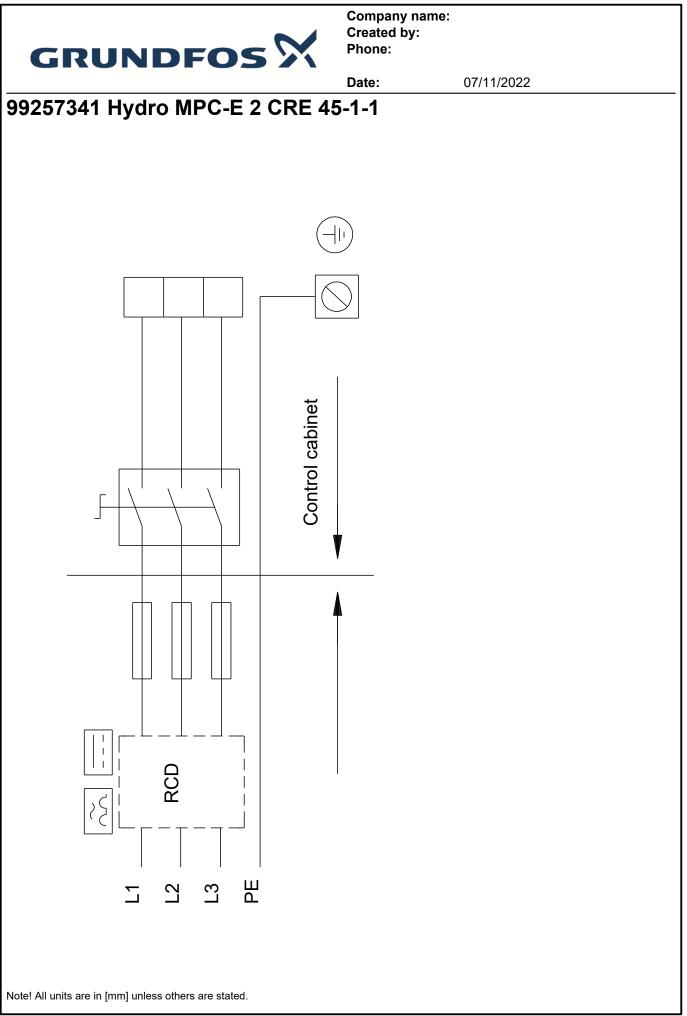
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## 99257341 Hydro MPC-E 2 CRE 45-1-1





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





Date:

Order Data: Amount | Product No | Product name

07/11/2022

Position	Your pos.	Product name	Amount	Product No	Total
		Hydro MPC-E 2 CRE 45-1-1	1	99257341	Price on request
Printed from Grui	ndfos Product Centr	re /2022.47.0031		•	8/8