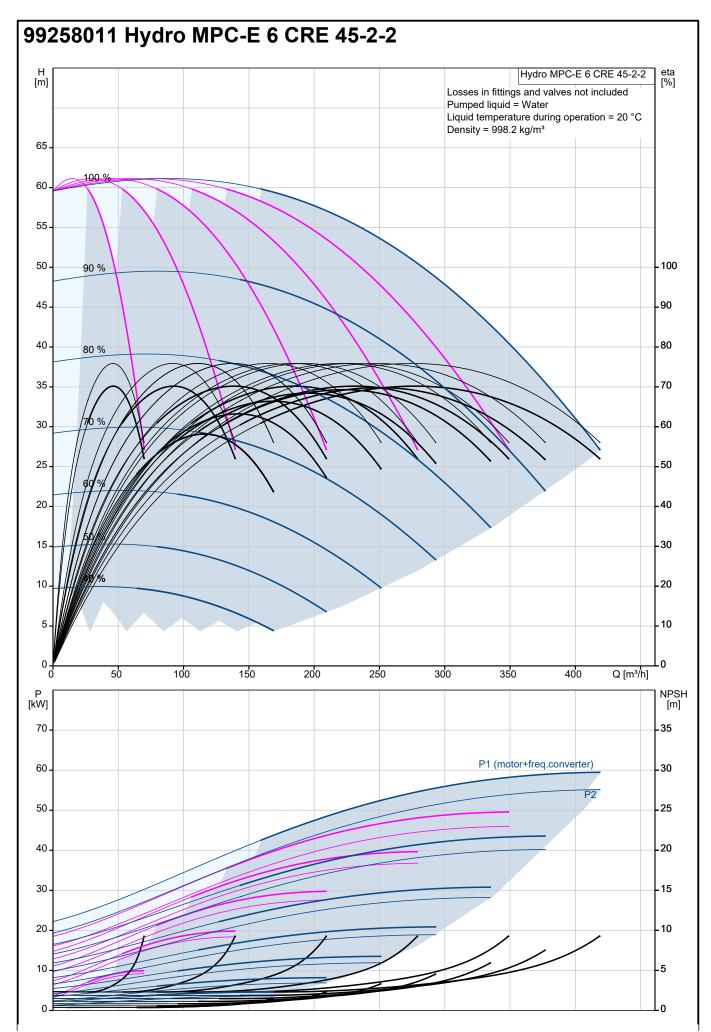
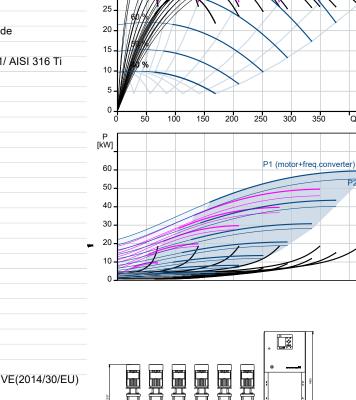


Qty.	Description					
1		Manual operation.				
		Possibility of external setpoint influence.				
		Log function.				
		Setpoint ramp. Possibility of digital remote-control functions:				
		System on/off.				
		Max., min. or user-defined duty.				
		Up to 6 alternative setpoints.				
		Digital inputs and outputs can be configured individually.				
		Pump and system monitoring functions:				
		Minimum and maximum limits of current value.				
		Inlet pressure.				
		Non-return valve monitoring.				
		Motor protection. Sensors and cables monitored for malfunction.				
		Alarm log with the previous 24 warnings/alarms.				
		Display and indication functions:				
		Colour screen display.				
		Green indicator light for operating indications and red indicator light for fault indications				
		Potential-free changeover contacts for operation and fault. Grundfos bus communication.				
	It is possible to add CIM commun	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.					
	There are options to upgrade the	pressure				
	boosting system.					
	Flow media:	Water				
	Allowed liquid temp.:	5 °C 60 °C				
	System pressure max.:	16 bar				
	Flow (Plant):	420 m ³ /h				
	Flow without one stand-by pump acc. DIN 1988/T5: 350 m³/h Nom. current of plant: 127 A					
	Nominal power:	11 kW				
	Net weight:	1230 kg				



Description	Value		
General information:			
Product name:	Hydro MPC-E 6 CRE 45-2-2		
Product No:	99258011		
EAN number:	5713826117375		
Technical:			
Rated flow:	324 m³/h		
Max flow:	420 m³/h		
Max flow system:	350 m³/h		
Rated head:	46.4 m		
Head max:	59.8 m		
Main pump name:	CRE 45-2-2		
Main pump No:	99072012		
Number of pumps:	6		
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:	DN200		
Manifold outlet:	DN200		
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:	11 kW		
Mains frequency:	50 / 60 Hz		
Rated voltage:	3 x 380-415 V		
Rated current of system:	127 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		
Diaphragm tank	Yes		



Н [m]

65

60 55 50

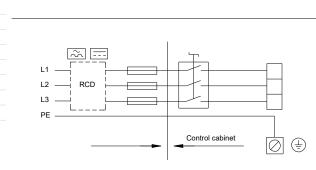
45

40

35 30 100 %

90 9

80 %



Tank:	
Volume of pressure tank:	12
Diaphragm tank:	Yes
Others:	
Basis plant:	Y
Net weight:	1230 kg
Gross weight:	1310 kg
Sales region:	Great Britain
Config. file no:	98272350
Config.file Control MPC:	98271950
Config.file Hydro MPC:	98272014
Country of origin:	GB
Custom tariff no.:	84137075

eta [%]

100

- 90 80

- 70

- 60

- 50

- 40

- 30 20

- 10

- 0

NPSH [m]

. 30

- 25 - 20

- 15

. 10

- 5

. 0

DN200

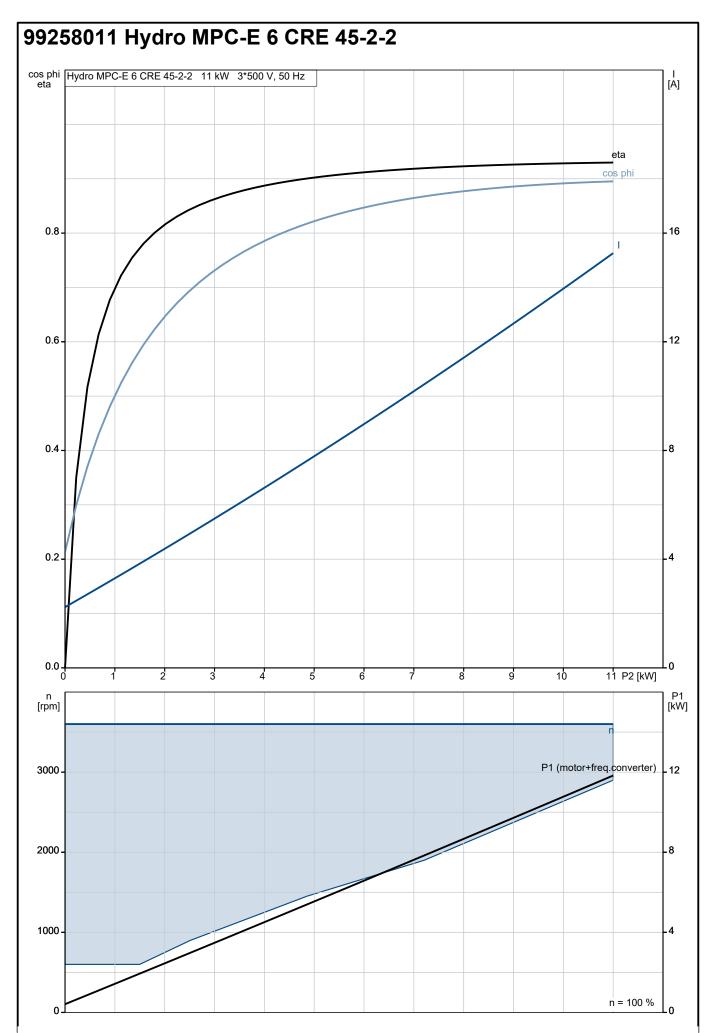
Q [m³/h]

P2

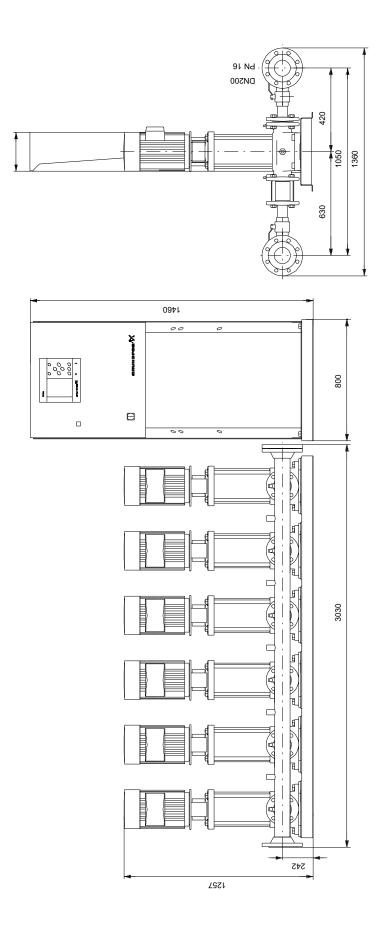
Hydro MPC-E 6 CRE 45-2-2

Losses in fittings and valves not included Pumped liquid = Water

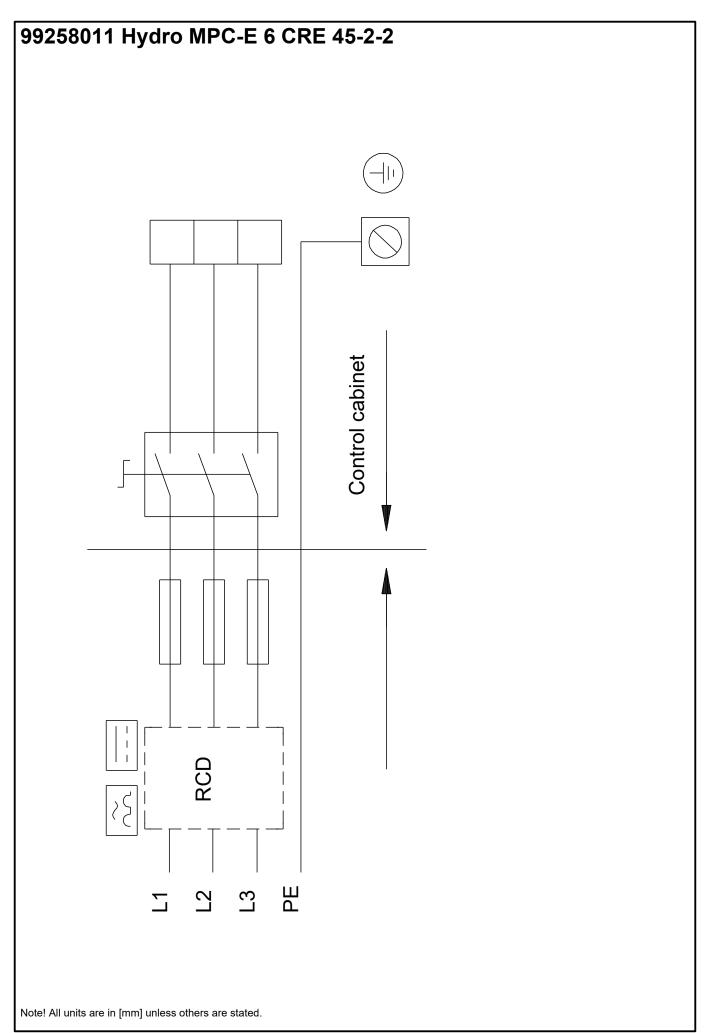
Liquid temperature during operation = 20 °C Density = 998.2 kg/m³



99258011 Hydro MPC-E 6 CRE 45-2-2



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



Order Data:							
Position	Your pos.	Product name	Amount	Product No	Total		
		Hydro MPC-E 6 CRE 45-2-2	1	99258011	Price or reques		
					reques		