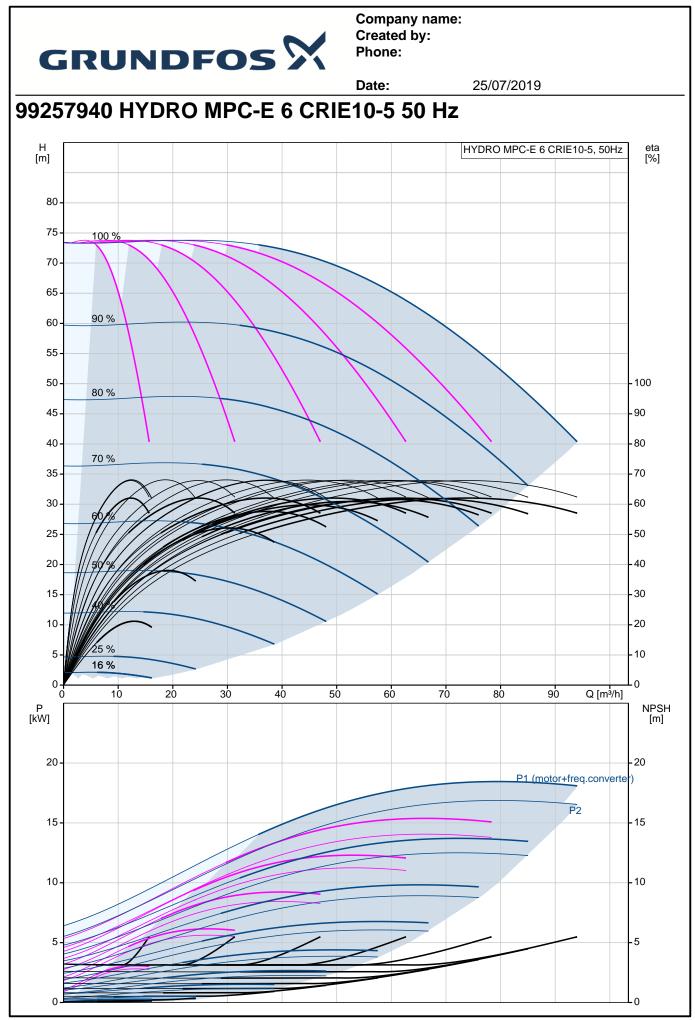
	GRUNDFOSX	Company n Created by: Phone:		
		Date:	25/07/2019	
Qty.	Description			
1	HYDRO MPC-E 6 CRIE10-5			
	Product No.: 99257940	re may differ from ac	itual product	
Qty.	Pressure booster system supplied as compact asser	mbly according to	DIN standard 1988/T5.	
	All pumps are speed-controlled.			
From 0.37 to 11 kW, the booster system is equipped with CR, CRE, CRI, CRIE pumps with electror commutated permanent-magnet motors with extremely high efficiency. The total efficiency of the m the frequency converter applies to IE5 level in IEC60034-31.				
	frequency control. The total efficiency of the motor in	boster system supplied as compact assembly according to DIN standard 1988/T5. are speed-controlled. to 11 kW, the booster system is equipped with CR, CRE, CRI, CRIE pumps with electronically d permanent-magnet motors with extremely high efficiency. The total efficiency of the motor including cy converter applies to IE5 level in IEC60034-31. 22 kW, the booster system is equipped with CR, CRE, CRI, CRIE pumps with motors with integrated pointrol. The total efficiency of the motor including the frequency converter is better than the IE3 level in 81, even though this standard only applies to the motor. To MPC-E maintains a constant pressure through continuous adjustment of the speed of the pumps. system performance is adapted to the demand through cutting in/out the required number of pumps through parallel control of the pumps in operation. p changeover is automatic and depends on load, time and fault. • consists of these parts: • in contact with the pumped liquid are made of stainless steel EN DIN 1.4301 s and heads are of either cast iron/stainless steel (CRI) or cast iron EN-GJS-500-7 (CR), depending on other vital parts are made of stainless steel EN DIN 1.4301 are equipped with a service-friendly cartridge shaft seal, HQQE (SiC/SiC/EPDM) stainless steel manifolds to EN DIN 1.4301 up to CR 90; above CR 90 the pumps are placed on a		
	* The system performance is adapted to the de and through parallel control of the pumps in o	mand through cuperation.	itting in/out the required number of pumps	
	Pump bases and heads are of either cast iron/stainle pump type; other vital parts are made of stainless ste The pumps are equipped with a service-friendly cart * Two stainless steel manifolds to EN DIN 1.45 * Stainless steel base frame to EN DIN 1.4301 galvanized I-Beam frame	ess steel (CRI) or eel EN DIN 1.430 ridge shaft seal, I 71 up to CR 90; abo g valves for each	cast iron EN-GJS-500-7 (CR), depending on HQQE (SiC/SiC/EPDM) ove CR 90 the pumps are placed on a pump	
	 * Adapter with isolating valve for connection of * Pressure gauge and pressure transmitter (and * Control MPC in a steel cabinet, IP54, includin equipment and microprocessor-controlled CU 	alog output 4-20 g main switch, al		
	Dry-running protection and diaphragm tank are avail	able according to	the list of accessories.	
	Pump operation is controlled by Control MPC with th * Intelligent multipum Constant-pressure of each individual p	p controller, CU control through c		
	Soft pressure build On/off operation at	at setpoint, indep -up (To prevent v low flow.	ameters (Kp + Ti). pendent of inlet pressure. vater hammer during startup). s for optimum efficiency.	
	Selection of min. tir priority.	ne between start	/stop, automatic pump changeover and pump	
	Possibility of stand	by pump allocation	vent idle pumps from seizing up. on. lant primary sensor).	



Company name: Created by: Phone:

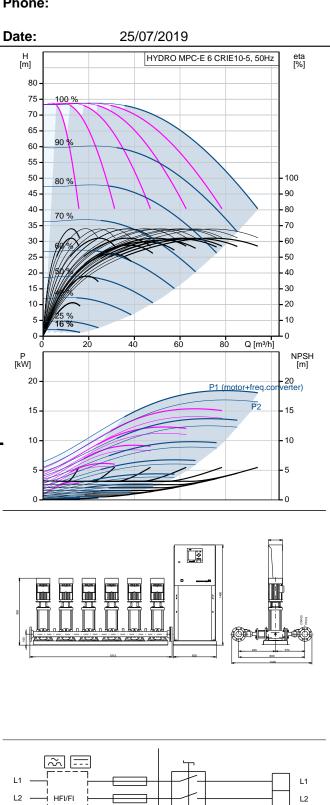
			Date:	25/07/2019
Qty.	Description			
Qty.	Description It is possible to add CIM commu Pumps, piping, cabling complete The booster system has been pr Flow media: Allowed liquid temp.: System pressure max.: Flow (Plant): Flow without one stand-by pump Mains suply: Nom. current of plant: Nominal power: Net weight: Maximum head: 74 m Maximum flow: 94 m³/h	Multi-sensor (up to 6 Manual operation. Possibility of external Log function. Setpoint ramp. Possibility of digital r System on/off. Max., min. or user-de Up to 6 alternative se Digital inputs and ou Pump and system m Minimum and maxim Inlet pressure. Non-return valve mo Motor protection. Sensors and cables Alarm log with the pr Display and indicatio Colour screen displa Green indicator light indications Potential-free chang Grundfos bus comm mication modules for of as well as Control M eset and tested. Water 5 °C 60 °C 16 bar 94 m ³ /h	Possible to switch to ar sensors to influence t al setpoint influence. emote-control function efined duty. etpoints. tputs can be configure onitoring functions: num limits of current van nitoring. monitored for malfunc revious 24 warnings/al on functions: y. for operating indicatio eover contacts for ope unication. communicating with So PC are mounted on th	nother sensor/setpoint). the setpoint). ns: ed individually. alue. tion. arms. ons and red indicator light for fault eration and fault.
	Maximum head: 74 m	-		





Company name: Created by: Phone:

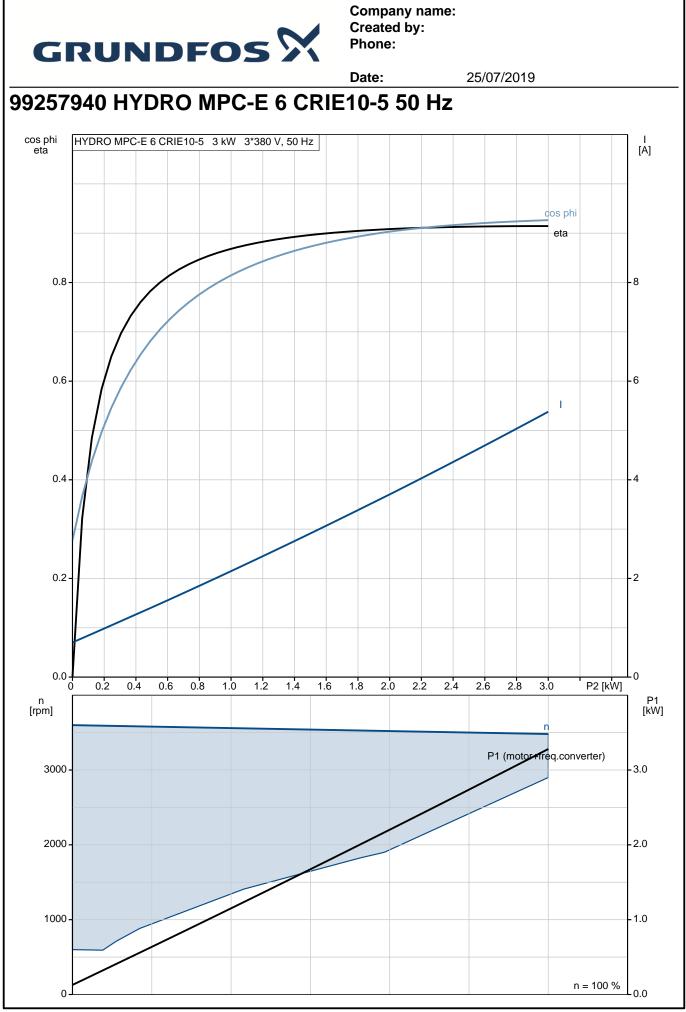
		Date:
Description	Value	H [m]
General information:		80 -
Product name:	HYDRO MPC-E 6 CRIE10-5	75 -
Product No:	99257940	70-
EAN number:	5713826116354	65 -
Technical:		
Max flow:	94 m³/h	60 -
Max flow system:	91 m³/h	55 -
Head max:	74 m	50 -
Main pump name:	CRIE10-5	45 -
Main pump No:	99071462	40 -
Number of pumps:	6	35 -
Non-ret. valve:	at discharge side	30 -
Materials:	5	25 -
Manifolds:	EN/DIN 1.4571/ AISI 316 TI	20 -
Installation:		15 -
Maximum operating pressure:	16 bar	10-
Manifold inlet:	DN100	5 -
Manifold outlet:	DN100	0
Pressure rating:	PN16	o j
Earth connection:	PE	P [kW]
System design:	D	20 -
Liquid:		
Pumped liquid:	Water	15 -
Liquid temperature range:	5 60 °C	
Selected liquid temperature:	20 °C	
Density at selected liquid temperature:	998.2 kg/m ³	- 5-
Electrical data:		
Power (P2) main pump:	3 kW	0
Mains frequency:	50 Hz	
Rated voltage:	3 x 380-415 V	
Rated current of system:	34,8A-415V	
Start, method:	electronically	
Enclosure class (IEC 34-5):	IP54	
Radio interference supression:	EMC DIRECTIVE(2014/30/EU)	
Controls:		· * П
Control type:	E	
Tank:		
Diaphragm tank:	Yes	. <u> </u>
Others:		
Basis plant:	Y	
Net weight:	484 kg	
Gross weight:	544 kg	
Product range:	GB	
Config. file no:	98272391	
Config.file Control MPC:	98271950	
Config.file Hydro MPC:	98272014	L1
Country of origin:	GB	L2
Custom tariff no.:	84137075	L3
	0-10/0/0	PE
		FE



L3

 \bigcirc

Control cabinet



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