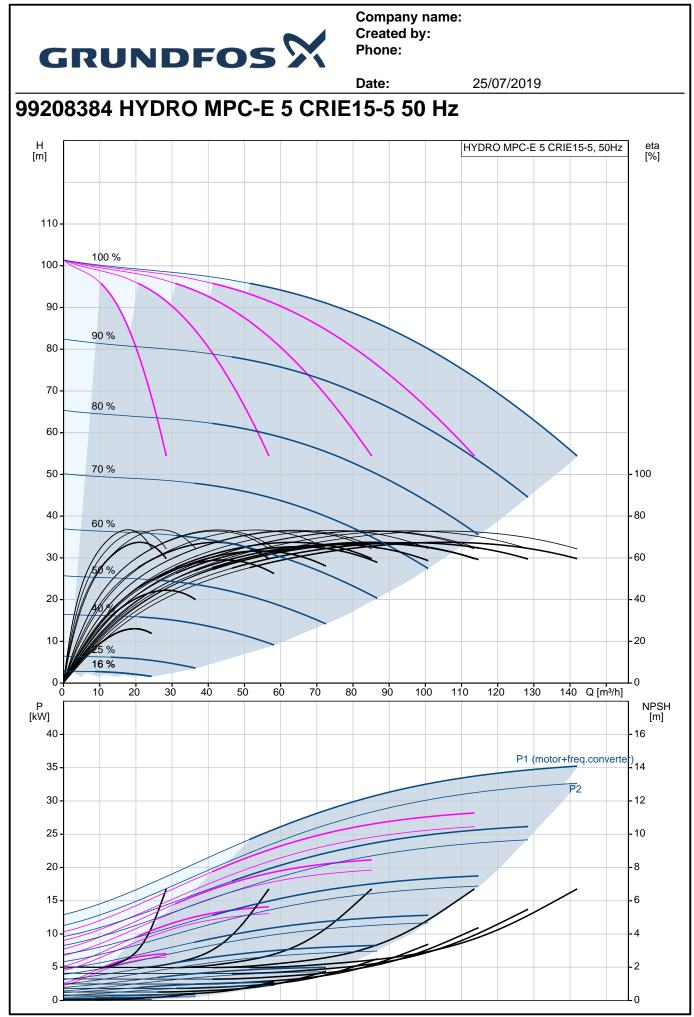


on is controlled by Control MPC with the following functions: Intelligent multipump controller, CU 352. Constant-pressure control through continuously variable adjustment of the speed of each individual pump. PID controller with adjustable PI parameters (Kp + Ti). Constant pressure at setpoint, independent of inlet pressure. Soft pressure build-up (To prevent water hammer during startup). On/off operation at low flow. Automatic cascade control of pumps for optimum efficiency. Selection of min. time between start/stop, automatic pump changeover and pump priority. Automatic pump test function to prevent idle pumps from seizing up. Possibility of standby pump allocation. Possibility of backup sensor (redundant primary sensor).



Company name: Created by: Phone:

			Date:	25/07/2019		
Qty.	Description					
	•	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 mo	nitoring.			
		Motor protection.				
			monitored for malfund			
			evious 24 warnings/a	larms.		
		Display and indication Colour screen displa				
				ons and red indicator light for fault		
		indications		-		
			eover contacts for ope	eration and fault.		
		Grundfos bus comm	unication.			
	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.					
	Flow media:	Water				
	Allowed liquid temp.:	5 °C 60 °C				
	System pressure max.:	16 bar				
	Flow (Plant):	142 m ³ /h				
	Flow without one stand-by pump acc. DIN 1988/T5: 121 m ³ /h					
	Mains suply: Nom. current of plant:	380-415 V 70,5A-415V				
	Nominal power:	7.5 kW				
	Net weight:	690 kg				
	Maximum heads 100 m					
	Maximum head: 102 m Maximum flow: 142 m³/h					
	1					



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Company name: Created by: Phone:

Description Value	e [m]	HYDRO MPC-E 5 CRIE15-5, 50Hz
General information:		
Product name: HYDI	RO MPC-E 5 CRIE15-5 110-	
Product No: 9920	3384 100 -	100 %
AN number: 5712	608719103	
echnical:	90 -	
/lax flow: 142 n	³ /h 80 -	90 %
lax flow system: 121 n	1 ³ /h	
lead max: 102 n	70-	80 %
Iain pump name: CRIE	15-5 60-	
Aain pump No: 9907		
lumber of pumps: 5	50 -	70 %
	charge side 40-	60 %
Aterials:	40-	60 %
	N 1.4571/ AISI 316 TI 30-	60
nstallation:	20-1	-40
Aaximum operating pressure: 16 ba	r 🖌	
Anifold inlet: DN15	10 - 10	25%
Aanifold outlet: DN15		16%0
Pressure rating: PN16	ů Ó	20 40 60 80 100 120 Q [m³/h]
Earth connection: PE	P [kW]	
System design: D		P1 (motor+freq.converter)
.iquid:	35 -	
Pumped liquid: Wate	. 30 -	P2 12
	25-	- 10
	20-	-8
	15	6
Density at selected liquid 998.2 998.2	kg/m ³ 10-	4
Electrical data:	5-	-2
Power (P2) main pump: 7.5 k	v ol	0
Aains frequency: 50 Hz		
	80-415 V	* 1
	-415V	
-	onically	
Enclosure class (IEC 34-5): IP54		
EMC	CTIVE(2014/30/EU)	
DINE	CTIVE(2014/30/EU)	
Controls:		
Control type: E		
ank:		2520 002 002 002 002 002 002 002 002 002
Diaphragm tank: Yes		• · · · · · · · · •
Others:		
Basis plant: Y		
let weight: 690 k	-	
Gross weight: 751 k	g	
Product range: GB		
Config. file no: 9827	2404	
Config.file Control MPC: 9827		
Config.file Hydro MPC: 9827	2020 L1 —	
Country of origin: GB	L2 —	
Custom tariff no.: 8413	7075 цз —	
	PE	
	. –	

