

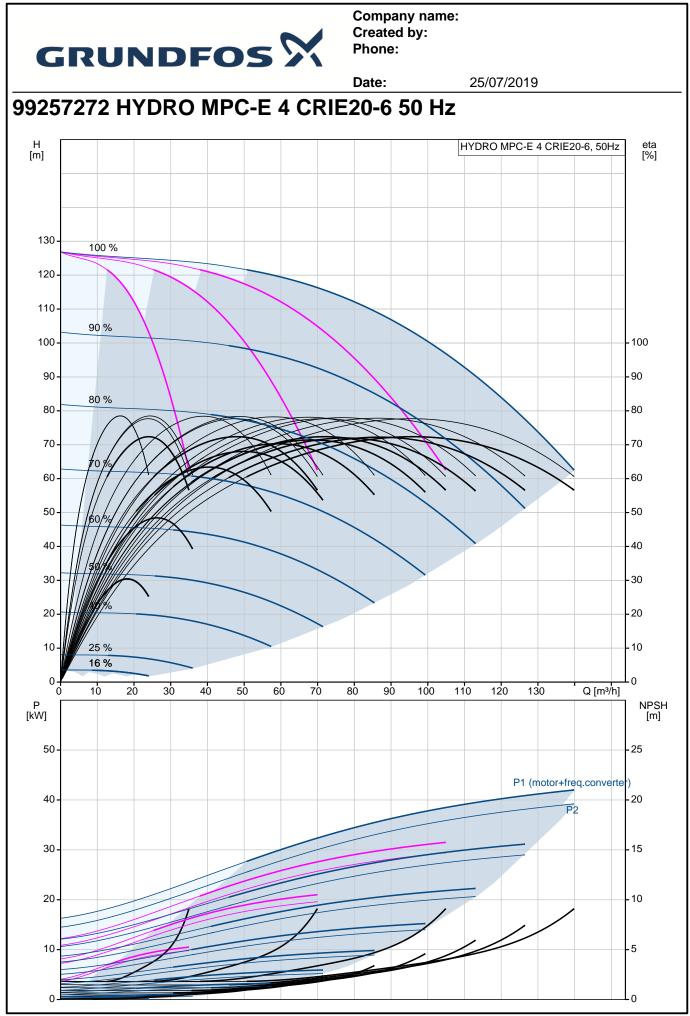
Automatic pump test function to prevent idle pumps from seizing up.

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.			
			emote-control function	ns:	
		System on/off.			
		Max., min. or user-de	-		
		Up to 6 alternative se			
		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	for operating indicate	she and real indicator light for laak	
		Potential-free change	eover contacts for ope	eration and fault.	
	Grundfos bus communication.				
	It is possible to add CIM communication modules for communicating with Scada/BMS.				
	Pumps, piping, cabling complete	ne base frame.			
	The booster system has been p	reset and tested.			
	Flow media:	Water			
	Allowed liquid temp.:	5 °C 60 °C			
	System pressure max.:	16 bar			
	Flow (Plant):	140 m³/h			
	Flow without one stand-by pump acc. DIN 1988/T5: 109 m ³ /h				
	Mains suply:	380-415 V			
	Nom. current of plant: Nominal power:	84,8A-415V 11 kW			
	Net weight:	644 kg			
		o r r rg			
	Maximum head: 128 m				
	Maximum flow: 140 m ³ /h				
	1				



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Description	Value	H [m]	HYDRO MPC-E 4 CRIE20-6, 50Hz eta [%]
General information:			
Product name:	HYDRO MPC-E 4 CRIE20-6	-	
Product No:	99257272	130 - 100 %	
EAN number:	5713826104870	120 -	
Technical:		110 -	
Max flow:	140 m³/h	90 %	100
Max flow system:	109 m ³ /h		
Head max:	128 m	90 - 80 %	- 90
Main pump name:	CRIE20-6	80-	-80
Main pump No:	99071684	70 - /	70
Number of pumps:	4	60 - 70/0	
Non-ret, valve:	at discharge side		
Materials:	at discharge side	50 - 60 -	50
	EN/DIN 1.4571/ AISI 316 TI	40 -	40
Manifolds:	EIN/UIIN 1.407 1/ AISI 310 11	30-	
Installation:	10 hor	20-0%	20
Maximum operating pressure:	16 bar	10 - 25 %	10
Manifold inlet:	DN100	16 %	
Manifold outlet:	DN100	0 20	40 60 80 100 120 Q [m³/h]
Pressure rating:	PN16	P	
Earth connection:	PE	[kW] 50 -	[m
System design:	D		P1 (motor+freq.converter)
Liquid:		40 -	P2 - 20
Pumped liquid:	Water		
Liquid temperature range:	5 60 °C	30 -	-15
Selected liquid temperature:	20 °C	- 20-	-10
Density at selected liquid temperature:	998.2 kg/m³	10-	5
Electrical data:			
Power (P2) main pump:	11 kW	0	0
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-415 V		- −
Rated current of system:	84,8A-415V		
Start. method:	electronically		
Enclosure class (IEC 34-5):	IP54	-	
Radio interference supression:	EMC DIRECTIVE(2014/30/EU)		
Controls:			·····································
Control type:	E		
Tank:			▆╉╻┶╍╫╢│ │││╔╦┳┎┫╾╣╹╧╢╟╓╗
Diaphragm tank:	Yes		
Others:		- 2050	600 - 505 - 445 950
Basis plant:	Y		l <mark></mark>
Net weight:	644 kg		
Gross weight:	703 kg		
-	GB		
Product range:		_	
Config. file no:	98272415	~	m
Config.file Control MPC:	98271948		
Config.file Hydro MPC:	98272020		
Country of origin:	GB	_	
Custom tariff no.:	84137075	L3 L PE	

