

Kol. Opis

1 Hydro MPC-S 3 CR64-2 U2 D-C-P-A



Pozor! Slika proizvoda se može razlikovati od stvarnog proizvoda

Proizvodni broj: [95124983](#)

The Hydro MPC-S pressure booster system, supplied as compact assembly, maintains the pressure through cutting in/out the CR pumps.

The system performance is adapted to the demand through cutting in/out the required number of CR pumps and through parallel control of the pumps in operation.

The pumps are all mains-operated CR pumps.

Pump changeover is automatic and depends on load, time and fault.

The system consists of these parts:

The pumps are equipped with a service-friendly cartridge shaft seal, HQQE (SiC/SiC/EPDM).

- Two manifolds of stainless steel EN DIN 1.4301 (AISI 304).
- Galvanised steel base frame up to CR 90; above CR 90 the pumps are placed on a galvanised I-Beam frame.
- One non-return valve and two isolating valves for each pump.
- Adapter with isolating valve for connection of diaphragm tank.
- Pressure gauge and pressure transmitter (analog output, 4-20 mA).
- Control MPC in a steel cabinet, IP54, including main switch, all required fuses, motor protection, switching equipment and microprocessor-controlled CU 352.

Dry-running protection and diaphragm tank are available according to the list of accessories.

Pump operation is controlled by Control MPC with the following functions:

- intelligent CU 352 multi-pump controller
- PID controller with adjustable PI parameters (Kp + Ti)
- constant pressure at setpoint, independent of inlet pressure
- 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)
- 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 six alternative setpoints
- possibility to configure digital inputs and outputs individually
- pump and system monitoring functions
- minimum and maximum limits of current value
- inlet pressure
- motor protection
- sensors monitored to prevent malfunction
- alarm log with the previous 24 warnings/alarms
- display and indication functions

Kol. Opis

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 communication modules for communicating with SCADA/BMS.

Pumps, piping, cabling complete are mounted on the base frame.
The Control MPC is supplied for installation next to the booster set.

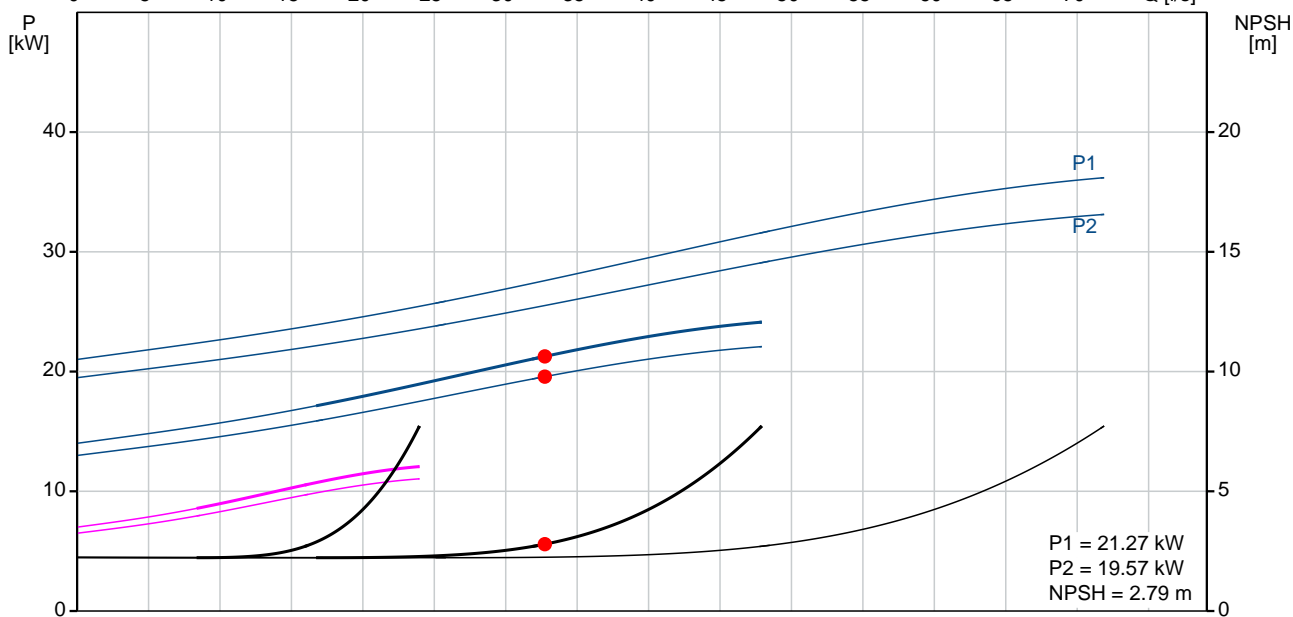
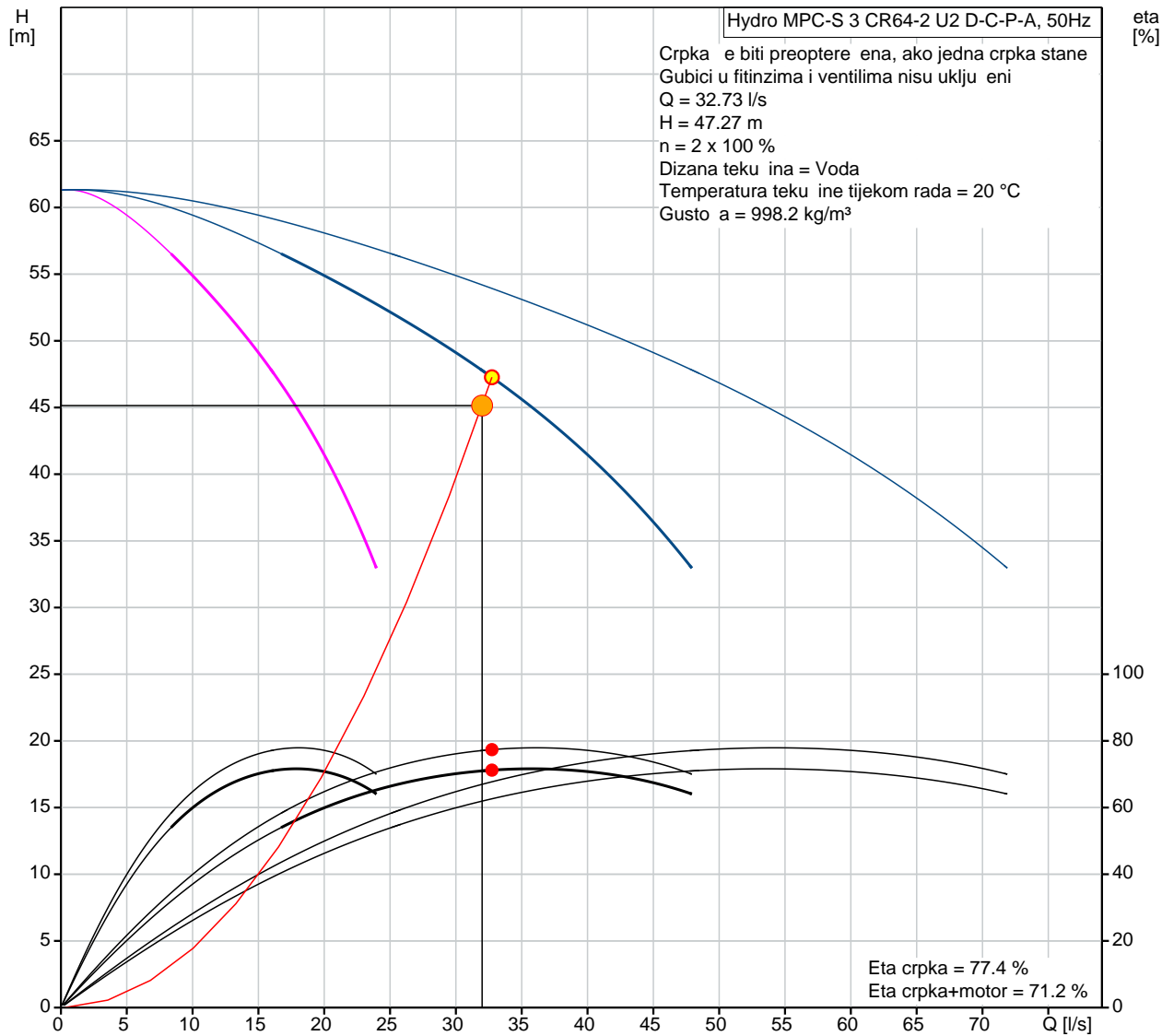
The booster system has been preset and tested.

Pumped liquid: Water
Liquid temperature: 5 °C to 60 °C
Max. operating pressure: 16 bar

Mains supply: 380-415 V
Rated current: 64.2 A

Suction port: DN 200
Discharge port: DN 200
Net weight: 840 kg
Gross weight: 1080 kg

95124983 Hydro MPC-S 3 CR64-2 U2 D-C-P-A 50 Hz



Naziv tvrtke:

Napravio:

Telefon:

Datum: 18.3.2020.

Opis	Vrijednost
Opće informacije:	
Ime proizvoda:	Hydro MPC-S 3 CR64-2 U2 D-C-P-A
Br. proizvoda:	95124983
EAN broj:	5700836948242
Cijena:	5700836948242
	22.926,71 EUR
Tehnički:	
Stvarno izračunati protok:	32.73 l/s
Max. protok:	70.83 l/s
Max. protok sustava:	47.22 l/s
Dobivena visina dizanja crpke:	47.27 m
Visina max.:	61 m
Naziv glavne crpke:	CR64-2
Br. glavne crpke:	96123530
Broj crpki:	3
Nepovrat. ventil:	na tlaknoj strani
Materijali:	
Cjevovodi:	DIN 1.4301 (AISI 304)
Instalacija:	
Maksimalni radni tlak:	16 bar
Maksimalni dozvoljeni ulazni tlak:	9.9 bar
Ulazni otvor cjevovoda:	DN 200
Izlazni otvor cjevovoda:	DN 200
Nazivni tlak:	PN 16
Earth connection:	PE
Tekovina:	
Dizana tekovina:	Voda
Raspon temperature tekovine:	5 .. 60 °C
Selected liquid temperature:	20 °C
Gustoća:	998.2 kg/m ³
Kinematska viskoznost:	1 mm ² /s
Električni podaci:	
Snaga (P2) glavne crpke:	11 kW
Frekvencija glavne mreže:	50 Hz
Nazivni napon:	3 x 380-415 V
Nazivna struja sustava:	64.2 A
Metoda startanja:	zvijezda/trokut
Klasa zaštite (IEC 34-5):	IP54
Spremanje radiosmetnje:	EMC Certificate - Hydro MPC 1 [2007]
Upravljanje:	
Control type:	S
Spremnik:	
Membranski spremnik:	Ne
Ostalo:	
Osnovno postrojenje:	Y
Neto masa:	840 kg
Bruto masa:	1080 kg
Raspon proizvoda:	Južna Europa

