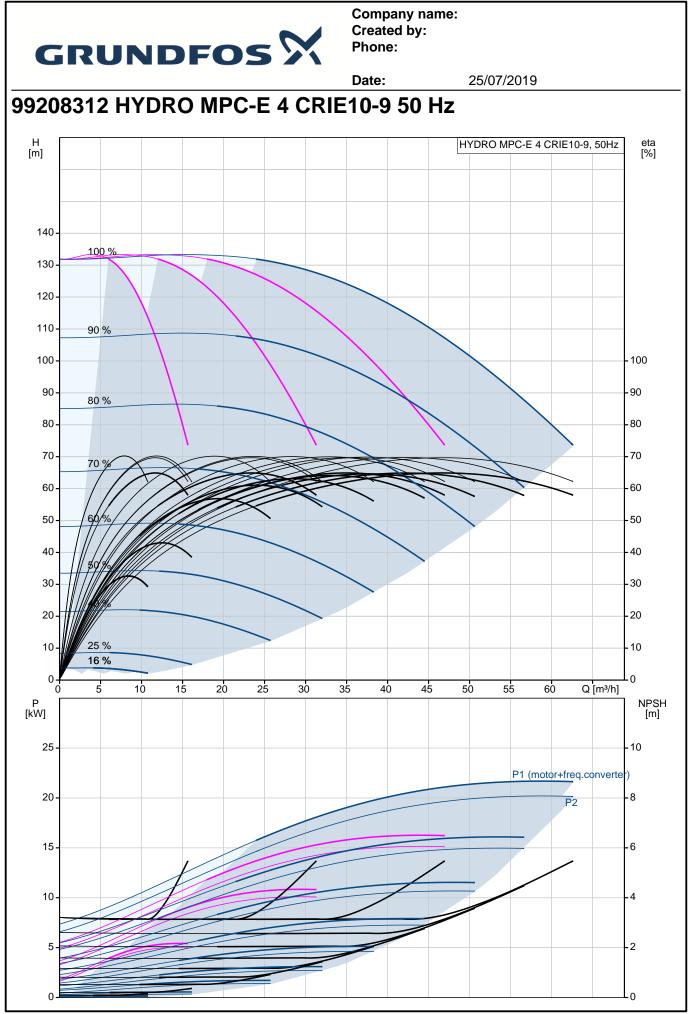


From 0.37 to 11 kW, the booster system is equipped with CR, CRE, CRI, CRIE pumps with electronically commutated permanent-magnet motors with extremely high efficiency. The total efficiency of the motor including From 15 to 22 kW, the booster system is equipped with CR, CRE, CRI, CRIE pumps with motors with integrated frequency control. The total efficiency of the motor including the frequency converter is better than the IE3 level in Hydro MPC-E maintains a constant pressure through continuous adjustment of the speed of the pumps. The system performance is adapted to the demand through cutting in/out the required number of pumps Pump parts in contact with the pumped liquid are made of stainless steel EN DIN 1.4301 Pump bases and heads are of either cast iron/stainless steel (CRI) or cast iron EN-GJS-500-7 (CR), depending on The pumps are equipped with a service-friendly cartridge shaft seal, HQQE (SiC/SiC/EPDM) Stainless steel base frame to EN DIN 1.4301 up to CR 90; above CR 90 the pumps are placed on a Non-return valves are certified according to DVGW, isolating valves according to DIN and DVGW Control MPC in a steel cabinet, IP54, including main switch, all required fuses, motor protection, switching Dry-running protection and diaphragm tank are available according to the list of accessories. 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). 1/5 Printed from Grundfos Product Centre [2019.03.001]



Company name: Created by: Phone:

| | | | Date: | 25/07/2019 |
|------|--|---|--|---|
| Qty. | Description | | | |
| Qty. | Description It is possible to add CIM community Pumps, piping, cabling complete The booster system has been pressure max.: 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: 133 m Maximum flow: 63 m³/h | Multi-sensor (up to 6 Manual operation. Possibility of external Log function. Setpoint ramp. Possibility of digital re System on/off. Max., min. or user-de Up to 6 alternative se Digital inputs and out Pump and system mo Minimum and maxim Inlet pressure. Non-return valve mor Motor protection. Sensors and cables r Alarm log with the pro Display and indication Colour screen display Green indicator light indications Potential-free change Grundfos bus commu- nication modules for c as well as Control MF reset and tested. Water 5 °C 60 °C 16 bar 63 m ³ /h | rossible to switch to ar sensors to influence to a setpoint influence. emote-control function efined duty. etpoints. puts can be configure onitoring functions: um limits of current van hitoring. monitored for malfunct evious 24 warnings/alian for operating indicatio eover contacts for ope unication. ommunicating 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. |
| | Pumps, piping, cabling complete The booster system has been pro- 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: 133 m | e as well as Control MF eset and tested. Water 5 °C 60 °C 16 bar 63 m³/h acc. DIN 1988/T5: 5 380-415 V 44,8A-415V 5.5 kW | PC are mounted on th | |
| | | | | |



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Company name: Created by: Phone:

| General information: HVDRO MPC-E 4 CRIE10-9 Product No: 69208312 EAN number: S712008715693 Technical: 63 mV/h Max flow system: 63 mV/h Head max: 133 m Main pump name: CRIE10-9 Mainfolds: EN/DIN 1.4571/AISI 316 TI Installation: Maximum operating pressure: Mainfold clinet: DN80 Manifold clinet: DN80 Pressure rating: PN16 Earth connection: PE System design: A Liquid temperature: 5.60 °C Density at selected liquid temperature: 20 °C Power (P2) mathemative: 98.2 kg/m ³ Electrical data: Power (P2) mathemative: Dower (P2) mathemative: 3 x 380-415 V Rated current of system: ENC Diaphragm tank: Yes Others: | HYDRO MPC-E 4 CRIE10-9 99208312 5712608715693 63 m ³ /h 54 m ³ /h 133 m CRIE10-9 99071792 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | [m] 140 - 130 - 120 - 110 - 90 - 80 - 70 - 60 - 50 - 30 - 30 - 20 - | 90 % | | | | | - 100 - 90 - 80 - 70 - 60 |
|---|--|--|---|---|---|---|---|---|
| Product No: 99208312 EAN number: 9712608715693 Technical: 63 m³/h Max How: 63 m³/h Max Kow: 93071792 Main pump name: CRIE10-9 Main pump No: 99071792 Number of pumps: 4 Non-ret: valve: at discharge side Matorials: EN/DIN 1.4571/AISI 316 TI Maxifold iottie: DN80 Pressure rating: PN16 Earth connection: PE Earth connection: PE System design: A Liquid temperature: 20 °C Density at selected liquid 998.2 kg/m³ Electrical data: Pumped liquid: 988.2 kg/m³ Electroial data: Power (P2) main pump: 5.5 kW Mains fequency: 50 Hz Rated voltage: 3 x 380.415 V Rated voltage: 68 Control type: E Tank: DIAPE: E Tank: DIAPE: Second Control MPC: 88272395 Control type: E Tank: DIAPE: Second Control MPC: 88272395 Control type: 68 Control ther: 688272305 Control type: 7948 Config lie Control MPC: 88272395 Config lie Control MPC: 8827395 Config lie Control MPC: 8827395 Control MPC | 99208312 5712608715693 63 m³/h 54 m³/h 133 m CRIE10-9 99071792 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | 130 - 120 - 110 - 90 - 80 - 70 - 60 - 50 - 40 - 30 - 20 - | 90 % | | | | | - 90 - 80 - 70 |
| Product No: 99208312 EAN number: 5712608715693 Technical: Max flow: 63 mVh Max flow: 63 mVh Main pump no: 99071792 Number of pumps: 4 Marifolds: EN/DIN 1.4571/AISI 316 TI Installation: Maximum operating pressure: 16 bar Maximum operating pressure: 16 bar Maximum operating pressure: 16 bar Maximum operating pressure: 16 bar Maximum operating: PN16 Earth connection: PFE System design: A Liquid: Persure raing: PN16 Earth connection: PFE System design: A Liquid: Persure raing: 9 N16 Earth connection: PFE System design: A Liquid: Penned liquid: 04 there rains: 9 S. 60 °C Selected liquid temperature: 20 °C Density at selected liquid demperature: 3 x 380-415 V Rated voltage: 6 Control type: E Fank: Disparage mark: Y es Others: Basis plant: Y Not weight: 480 kg Product range: 6 Config file Control MPC: 98272085 Config file Potrol MPC: 98272085 Config file Control MPC: 98272085 Config file Control MPC: 98272085 Config file Potrol MPC: 98272085 Config file Not MPC: 98272085 Config file Control M | 99208312 5712608715693 63 m³/h 54 m³/h 133 m CRIE10-9 99071792 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | 130 - 120 - 110 - 90 - 80 - 70 - 60 - 50 - 40 - 30 - 20 - | 90 % | | | | | - 90 - 80 - 70 |
| Product No: 99200312 Exh number 571280871683 Technical: Max flow system: 63 m/h Max flow system: 64 m/h Max flow system: 64 m/h Main pump name: CRE10-9 Main fueld: EN/DIN 1.4571/AISI 316 TI Installation: Maximum operating pressure: 16 bar Manifold: Inlet: DN80 Manifold: Inlet: DN80 Main frequence: PEE System design: A Liquid: Pumped liquid: Water Liquid temperature: 20 °C Selected liquid temperature: 20 °C Selected liquid temperature: 998.2 kg/m ³ Electrical data: Power (P2) main pump: 5.5 kW Mater fequency: 50 Hz Rated voltage: 3 x 380-415 V Rated voltage: 68 Control type: E Tank: Diphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 400 kg Product range: 68 Contig life Control MPC: 98272030 Control system: 44,834137075 | 5712608715693 63 m ³ /h 54 m ³ /h 133 m CRIE10-9 99071792 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | 130 - 120 - 110 - 90 - 80 - 70 - 60 - 50 - 40 - 30 - 20 - | 90 % | | | | | - 90 - 80 - 70 |
| EAN number: 5/12004/15093 Technical: Makinov: 63 mV/n Max flow: 63 mV/n Max flow: 63 mV/n Max flow: 64 mV/n Head max: 133 m Main pump name: CRE10-9 Main pump no: 9907/1722 Number of pumps: 4 Marinolals: EN/DIN 1.4571/AISI 316 TI Installation: Mainicals: EN/DIN 1.4571/AISI 316 TI Installation: Mainicals: EN/DIN 1.4571/AISI 316 TI Installation: Mainical cutlet: DN80 Pressure rating: PN16 Earth connection: PEE System design: A Liquid: Pumped liquid: Water Liquid temperature: 20 °C Donsity at selected liquid femperature: 20 °C Selected liquid temperature: 20 °C Donsity at selected liquid femperature: 20 °C Selected liquid temperature: 20 °C Donsity at selected liquid femperature: 20 °C Donsity at selected liquid Enclosure class (IEC 34-5): IP54 Rated voltage: 5 x 438.0.415 V Rated voltage: 3 x 330.415 V Rated voltage: 3 x 330.415 V Rated voltage: 5 x 44.8A.415V Enclosure class (IEC 34-5): IP54 Basis plant: Y Net weight: 428 kg Gross weight: 428 kg Gross weight: 428 kg Gross weight: 460 kg Product range: GB Config lile Control MPC: 98272035 Config lile Control MPC: 98272035 Config lile Putto MPC: 98272035 Config lile Putto MPC: 98272035 Config lile Control MPC: 98272035 Config lile Control MPC: 98272035 Config lile Putto MPC: 98272035 Config lile Control MPC: 98272035 Config lile Putto MPC: 98272035 Config lile Putto MPC: 98272035 Config lile Putto MPC: 98272035 Config lile Putto MPC: 98272035 | 63 m ³ /h 54 m ³ /h 133 m CRIE10-9 99071792 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | 120 - 110 - 90 - 80 - 70 - 50 - 30 - 20 - | | | | | | - 90 - 80 - 70 |
| Fernical: 63 m ³ /h Max Ilow: 63 m ³ /h Max Ilow: 54 m ³ /h Main pump name: CRIE 10-9 Main pump No: 99071792 Non-ret: valve: at discharge side Materials: Image: side Mainididouts: ENDIN 1.4571/ AISI 316 TI Installation: Manifold outlet: Manifold outlet: DN80 Pressure rating: PN16 Earth connection: PE System design: A Liquid temperature range: 560 °C Selected liquid temperature: 298.2 kg/m ³ Electrical data: Power (P2) main pump: Power (P2) main pump: 5.5 kW Mains frequency: 50 Hz Rated oursent of system: 44.8A-415V Electrical data: Power (P2) main pump: Prover: E Control type: E Tank: Yes Diaphragm tank: Yes Others: Basis plant: Sorting lie Control MPC: 98272020 Control gini: G8 C | 54 m ³ /h 133 m CRIE10-9 99071792 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | 110 - 100 - 90 - 80 - 70 - 60 - 50 - 30 - 20 - | | | | | | - 90 - 80 - 70 |
| Wax how system:O III 711Head max:133 mMain pump name:CRIE10-9Main pump name:CRIE10-9Mumber of pumps:4Main vum name:at discharge sideMaterials:Manitolds:Encorrection:ENDIN 1.4571/ AISI 316 TIInstallation:DN80Manitold outlet:DN80Pressure rating:PESystem design:ALiquid:UwaterLiquid:VaterLiquid temperature:20 °CPower (P2) nm pump:5.5 kWMaide duste:998.2 kg/m³Electrical data:Power (P2) man pump:5.5 kWMaide duste:BeElectroical data:Power (P2) man pump:5.5 kWMaide duste:PiseStart. method:electronicallyElectroical data:Power (P2) mage main:YesControl type:EEach control type:ETank:Diaptic 20 272030Config. II: Control MPC:9272030Config. II: Control MPC:9272030Config. II: Control MPC:9272030Config. II: Control MPC:9272020Config. II: Control MPC:9272030Config. II: Hydro MPC:9272020Control fig.:EConfig. II: Hydro MPC:9272020Control fig.:EControl fig.:CConfig. II: Hydro MPC:9272020Control fig.:ECustom tariff no.:84137075 <td>54 m³/h 133 m CRIE10-9 99071792 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80</td> <td>100 - 90 - 80 - 70 - 50 - 40 - 30 - 20 -</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>- 90 - 80 - 70</td> | 54 m ³ /h 133 m CRIE10-9 99071792 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | 100 - 90 - 80 - 70 - 50 - 40 - 30 - 20 - | | | | | | - 90 - 80 - 70 |
| The hard maximum operating pressure: Head max: Main pump No: 99071792 Number of pumps: 4 Main pump No: 99071792 Number of pumps: 4 Manifoldids: ENDIN 1.4571/AISI 316 TI maximum operating pressure: 16 bar Manifold indet: DN80 Pressure rating: PN 16 Earth connection: PE System design: Liquid: Pumped liquid: Water Liquid temperature range: System design: Liquid: Pumped liquid: Water Pumped liquid: Water Pumped liquid: Water Pumped liquid: Water Pumped liquid: Water Pumped liquid: Water Pumped liquid: Water System design: Liquid: Pumped liquid: Water Cantor of system: At 4.0 Av 4.15V Start. method: Electrolical data: Power (P2) main pump: S.5.5 kW Mains frequency: 60 Hz Rated vortage: Control system: Tank: Diaphragm tank: Yes Others: Basis plant: Y Net weight: Control specifie Control sp | 133 m CRIE10-9 99071792 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | 90 - 80 - 70 - 50 - 40 - 30 - 20 - | 80 % | | | | | - 90 - 80 - 70 |
| Main pump name: CRIE 10-9 Main pump No: 99071792 Number of pumps: 4 Non-ret. valve: at discharge side Materials: Manifolds: EN/DIN 1.4571/AISI 316 TI Installation: Manifold outlet: DN80 Manifold outlet: DN80 Manifold outlet: DN80 Manifold outlet: DN80 Pressure rating: PN16 Earth connection: PE System design: A Liquid: Pumped liquid: Water Liquid temperature range: 560 °C Selected liquid temperature: 20 °C Density at selectore liquid temperature range: 3 x. 380-415 V Rated voltage: 3 x 380-415 V Rated voltage: 6B Control ity c: E Basis plant: Y Net weight: 428 kg Gross weig | CRIE10-9 99071792 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | 80 - 70 - 60 - 50 - 40 - 30 - 20 - | 80 % 70 % 96 % | | | | | - 80 |
| Main pump name: CRIE 10-9 Main pump No: 99071792 Number of pumps: 4 Non-ret. valve: at discharge side Materials: Manifolds: EN/DIN 1.4571/AISI 316 TI Installation: Manifold outlet: DN80 Manifold outlet: DN80 Manifold outlet: DN80 Manifold outlet: DN80 Pressure rating: PN16 Earth connection: PE System design: A Liquid: Pumped liquid: Water Liquid temperature range: 560 °C Selected liquid temperature: 20 °C Density at selectore liquid temperature range: 3 x. 380-415 V Rated voltage: 3 x 380-415 V Rated voltage: 6B Control ity c: E Basis plant: Y Net weight: 428 kg Gross weight: 400 kg Product range: GB Control MPC: 98272395 Config. file Control MPC: 98272395 Config. file Control MPC: 98272395 Config. file Control MPC: 98272395 Config. file Control MPC: 98272395 Config.file Hydro MPC: 98272395 Config.file Hydro MPC: 98272395 Config.file Control MPC: 98272395 Config.file Hydro MPC: | CRIE10-9 99071792 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | 70 - 60 - 50 - 40 - 30 - 20 - | 10-75 665 H- | | | | | - 70 |
| Main pump No: 99071792 Number of pumps: 4 Non-ret. valve: at discharge side Materials: Manifold outle: DN80 Manifold outlet: DN80 Manifold outlet: DN80 Manifold outlet: DN80 Pressure rating: PN16 Earth connection: PE System design: A Liquid: Enchroantection: PE System design: A Liquid: Pumped liquid: 998.2 kg/m ³ Electrical data: Power (P2) main pump: 5.5 kW Patted voltage: 3 x 380-415 V Rated voltage: 4 x 8 x 380-415 V Rated voltage: 5 kW Poduct range: 6B Control type: 6B Control type: 98272020 Control type: | 99071792 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | 70 - 60 - 50 - 40 - 30 - 20 - | 70 ⁻⁵ 0- | | | | | - 70 |
| Number of pumps: 4 Non-ret. valve: at discharge side Materials: Manifold outlet: EN/DIN 1.4571/ AISI 316 TI Installation: Maximum operating pressure: 16 bar Manifold outlet: DN80 Pressure rating: PN16 Earth connection: PE System design: A Liquid: Uquid temperature range: 560 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 20 °C Bensity at selected liquid temperature: 3 x 380-415 V Rated voltage: 3 x 380-415 V Rated current of system: 44.8A-415V Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: EMC Tank: Diaptragm tank: Yes Diaptragm tank: Yes Diaptragm tank: Yes Diaptragm tank: Yes Diaptragm tank: Yes Diaptragm tank: 428 kg Gross weight: 428 kg Config file Control MPC: 98272395 Config file Control MPC: 98272395 Config file Attra of MPC: | 4 at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | 60 - 50 - 40 - 30 - 20 - | 66 Pr. | | | | | |
| Non-ret. valve: at discharge side Materials: Manifolds: EN/DIN 1.4571/AISI 316 TI Installation: Maximum operating pressure: 16 bar Manifold outlet: DN80 Pressure rating: Pressure rating: Pumped liquid: Uquid temperature: 20 °C Density at selected liquid temperature: Power (P2) main pump: 5.5 kW Mains frequency: 5.0 Hz Rated ourrent of system: 44,8A-415V Rated ourrent of system: 44,8A-415V Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: Config file Noto MPC: 982/2335 Config file Noto MPC: 982/1948 Control tiff no.: Bais lige Noto | at discharge side EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | - 50 - - 40 - - 30 - 20 - | 60 % | | | | | |
| Materials: EN/DIN 1.4571/ AISI 316 TI Manifold colds: EN/DIN 1.4571/ AISI 316 TI Installation: DN80 Manifold cultet: DN80 Pressure rating: PN16 Earth connection: PE System design: A Liquid Water Liquid temperature range: 560 °C Selected liquid temperature: 20 °C Density at selected liquid 998.2 kg/m3 Electrical data: Power (P2) main pump: Power (P2) main pump: 5.5 kW Mated outlage: 3 x 380-415 V Rated voltage: 3 x 380-415 V Rated outlage: Best plant: Controls IPpe: E Tank: DIRECTIVE(2014/30/EU) Diaphragm tank: Yes Others: Basis plant: Basis plant: Y Net weight: 428 kg Config.file Not MPC: 98272395 Config.file Not MPC: 98272395 </td <td>EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80</td> <td>40 - 30 - 20 -</td> <td>55</td> <td></td> <td></td> <td></td> <td></td> <td></td> | EN/DIN 1.4571/ AISI 316 TI 16 bar DN80 DN80 | 40 - 30 - 20 - | 55 | | | | | |
| Manifolds: EN/DIN 1.4571/ AISI 316 TI Installation: Manifold inlet: DN80 Manifold outlet: DN80 Pressure rating: PN16 Earth connection: PE System design: A Liquid temperature range: 560 °C Selected liquid temperature range: 20 °C Density at selected liquid temperature: 20 °C Density at selected liquid apperature: 20 °C Electrical data: Power (P2) main pump: 5.5 KW Rated voltage: 3 x 380-415 V Rated voltage: Bis plant: Power (P2) main pump: 5.5 KW Start. method: electronically Enclosure class (IEC 34-5): IP54 Control type: E Diaphragm tank: Y Not weight: 400 product range: GB Config.file Norito MPC: 98272395 <t< td=""><td>16 bar DN80 DN80</td><td>- 30 - 20 -</td><td>50</td><td></td><td></td><td></td><td>•</td><td>- 50</td></t<> | 16 bar DN80 DN80 | - 30 - 20 - | 50 | | | | • | - 50 |
| Installation: Maximum operating pressure: Mainfold inlet: DN80 Manifold outlet: DN80 Pressure rating: Entr connection: PE System design: A Liquid: Pumped liquid: Liquid temperature range: S 60 °C Selected liquid temperature: 20 °C Density at selected liquid 1998.2 kg/m ³ Electrical data: Power (P2) main pump: 5.5 kW Mains frequency: Start. method: Electronically Enclosure class (IEC 34-5): EMC Rated voltage: Control type: E Tank: Control type: E Tank: Control type: E Tank: Control type: E Tank: Control type: E Tank: Control type: E Tank: Control type: E Tank: Control type: E Tank: Control type: E Tank: Control type: E Config. file no: De8272395 Config. file no: De8272395 Config. file Nydro MPC: 98272020 Country of origin: CBB Custom tariff no:: 84137075 | 16 bar DN80 DN80 | 20 - | 5% | | | | | - 40 |
| Maximum operating pressure: 16 bar Manifold outlet: DN80 Pressure rating: PN16 Earth connection: PE System design: A Liquid: Water Liquid: Water C Liquid: Water C Liquid: Beleted liquid temperature: 20 °C Beleted liquid temperature: 20 °C Density at selected liquid emperature: 998.2 kg/m ³ Electrical data: Power (P2) main pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated current of system: 44,0A-415 V Start. method: electronically Enclosure class (IEC 34-5): IP54 Each control type: E Tank: Diaphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config file no: 98272395 Config file no: 98272020 Country of origin: GB Custom tariff no.: 84137075 | DN80 DN80 | | 1% | | | | | - 30 |
| Markind under antigipiessure. To bar Manifold intet: DN80 Manifold outlet: DN80 Pressure rating: PN16 Earth connection: PE System design: A Liquid: Pumped liquid: Water Liquid temperature range: 5 60 °C Selected liquid temperature: 20 °C Density at selected liquid g98.2 kg/m ³ Electrical data: Power (P2) main pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated voltage: 3 x 380-415 V Satr. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: DIRECTIVE(2014/30/EU) Control type: E Tank: Diaphargm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config. Ifi enc: 98272395 Config. Ifi enc: 98271948 Custom tariff no.: 84137075 | DN80 DN80 | | 10/10/00/2/ | | | | | - 20 |
| Walfield walfield banifold outlet:DN80 DN80 Pressure rating:PN16 PE Selected liquid temperature:PE A A A Liquid:PE PU PE Selected liquid temperature:PE PU PE PU <b< td=""><td>DN80</td><td>10-</td><td></td><td></td><td></td><td></td><td></td><td></td></b<> | DN80 | 10- | | | | | | |
| Pressure rating: PN16 Earth connection: PE System design: A Liquid: Water Liquid temperature range: 5 60 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 20 °C Density at selected liquid temperature: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated voltage: BC Radio interference supression: EMC DIRECTIVE(2014/30/EU) Controls: Control type: E Tank: Diaptragm tank: Yes Others: Basis plant: Y Net weight: 460 kg Product range: GB Config file no: 98272395 Config file Nydro MPC: 98271948 Config file no: 98272395 Config file hydro MPC: 98271948 Coston tariff no:: 84137075 | | | | | | | | - |
| Earth connection: PE System design: A Liquid: Pumped liquid: Water Liquid temperature range: 5 60 °C Selected liquid temperature: 20 °C Density at selected liquid apps2 kg/m ³ Electrical data: Power (P2) main pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated voltage: 3 x 380-415 V Rated current of system: 44,8A-415 V Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: EMC Diaphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config. file no: 98272395 Config. file no: 98272020 Country of origin: GB Custom tariff no.: 84137075 | | | 10 2 | 0 3 | 0 4 | 0 50 |) Q[r | 0 n³/h] |
| Liquid: Pumped liquid: Liquid: Pumped liquid: Liquid: Pumperature: 20 °C Density at selected liquid temperature: 20 °C Density at selected liquid 998.2 kg/m ³ Electrical data: Power (P2) main pump: 5.5 kW Mains frequency: Rated voltage: 3 x 380-415 V Rated voltage: Control system: 44,8A-415V EMC DIRECTIVE(2014/30/EU) Controls: Control type: E Tank: Diaphragm tank: Ves Others: Basis plant: Y Net weight: 428 kg Config. file no: 982712945 Config. file no: 982722020 Country of origin: Custom tariff no: 84137075 | | P | | | | | | N |
| System design: A Liquid: Liquid temperature range: 5 60 °C Selected liquid temperature: 20 °C Density at selected liquid emperature: 998.2 kg/m ³ Electrical data: Power (P2) main pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated current of system: 44,8A-415 V Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: EMC DIRECTIVE(2014/30/EU) Control type: E Tank: Diaphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config.file Ontrol MPC: 982712935 Config.file Control MPC: 98272020 Country of origin: GB Custom tariff no.: 84137075 | | | | | | | | 10 |
| Pumped liquid: Water Liquid temperature range: 5 60 °C Selected liquid temperature: 20 °C Density at selected liquid g98.2 kg/m ³ Electrical data: Power (P2) main pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated current of system: 44,8A-415V Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: DIRECTIVE(2014/30/EU) Controls: Control type: E Tank: Diaphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config.file no: 982772395 Config.file hydro MPC: 98272020 Country of origin: GB Custom tariff no.: 84137075 | A | | | | | P | 1 (motor+fre | |
| Pumped liquid: Water Liquid temperature range: 5 60 °C Selected liquid temperature: 20 °C Density at selected liquid 998.2 kg/m ³ Electrical data: Power (P2) main pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated voltage: 3 x 380-415 V Rated voltage: 3 x 380-415 V Rated current of system: 44,8A-415 V Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: EMC DIRECTIVE(2014/30/EU) Control type: E Tank: Diaphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config.file Control MPC: 98272395 Config.file Control MPC: 98272020 Country of origin: GB Custom tariff no.: 84137075 | | 20 - | | | | | P | -8 |
| Selected liquid temperature: 20 °C Density at selected liquid emperature: 20 °C Density at selected liquid ges 28 kg/m ³ Electrical data: Power (P2) main pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated current of system: 44,8A-415V Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: DIRECTIVE(2014/30/EU) Control type: E Tank: Diaphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Contig. file no: 98272395 Config. file Control MPC: 98271948 Config. file Control MPC: 98272020 Country of origin: GB Custom tariff no.: 84137075 | | | | | | | | |
| Density at selected liquid temperature: Electrical data: Power (P2) main pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated current of system: 44,8A-415V Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: DIP54 Radio interference supression: EMC Diaphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config. file Control MPC: 98271948 Config. file Control MPC: 98272020 Country of origin: GB Custom tariff no.: 84137075 | 5 60 °C | 15 - | | | | | | - 6 |
| Density at selected liquid temperature: Electrical data: Power (P2) main pump: 5.5 kW Mains frequency: S0 Hz Rated voltage: 3 x 380-415 V Rated current of system: 44,8A-415V Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: Control type: E Tank: Diaphragm tank: Ves Others: Basis plant: V Net weight: 428 kg Gross weight: 460 kg Product range: Config. file Control MPC: 98272395 Config. file Control MPC: 98272020 Country of origin: GB Custom tariff no.: 84137075 | 20 °C | - 10 | X | 1 | | / | | 4 |
| Electrical data: Power (P2) main pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated voltage: 3 x 380-415 V Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: EMC DIRECTIVE(2014/30/EU) Control type: E Tank: Diaphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 480 kg Product range: GB Config. file no: 98272395 Config. file no: 98272395 Config. file no: 98272395 Config. file no: 98272395 Config. file Nydro MPC: 98272020 Country of origin: GB Custom tariff no.: 84137075 | 998.2 kg/m³ | | | | | | | |
| Power (P2) main pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated current of system: 44,8A-415V Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: DIRECTIVE(2014/30/EU) Controls: Control type: E Tank: Diaphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config. file no: 98272395 Config. file no: 98272395 Config. file Control MPC: 98271948 Config. file no: 98272020 Country of origin: GB Custom tariff no.: 84137075 | | - 7 | | | | | | Z |
| Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated current of system: 44,8A-415V Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: EMC DIRECTIVE(2014/30/EU) Control type: E Tank: Diaphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config. file no: 98272395 Config. file no: 98271948 Config. file Control MPC: 98271948 Config. file Control MPC: 9827020 Country of origin: GB Custom tariff no.: 84137075 | 5.5 kW | 0 | | | | | | 0 |
| Rated voltage: 3 x 380-415 V Rated current of system: 44,8A-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: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config. file no: 98272395 Config. file no: 98272395 Config. file Nydro MPC: 98271948 Config. file Hydro MPC: 98271948 Config. file Hydro MPC: 98272020 Country of origin: GB Custom tariff no.: 84137075 | | | | | | | | |
| Rated current of system: 44,8A-415V Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: EMC DIRECTIVE(2014/30/EU) Control type: E Tank: Diaphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config. file no: 98272395 Config. file no: 98272395 Config. file NPC: 98271948 Config. file Hydro MPC: 98271948 Config. file Hydro MPC: 98272000 Country of origin: GB Custom tariff no.: 84137075 | | | | | | | | |
| Start. method: electronically Enclosure class (IEC 34-5): IP54 Radio interference supression: DIRECTIVE(2014/30/EU) Controls: DIRECTIVE(2014/30/EU) Control type: E Tank: Tank: Diaphragm tank: Yes Others: Basis plant: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config. file no: 98272395 Config. file Control MPC: 98271948 Config. file Hydro MPC: 98272020 Country of origin: GB Custom tariff no.: 84137075 | | | | | | | | |
| Enclosure class (IEC 34-5): IP54 Radio interference supression: EMC DIRECTIVE(2014/30/EU) Controls: Control type: E Tank: Diaphragm tank: Yes Others: Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config. file no: 98272395 Config. file no: 98271948 Config. file NPC: 98271948 Config. file MPC: 98271948 Config. file MPC: 98272020 Country of origin: GB Custom tariff no.: 84137075 | | | | | | a T | | |
| Radio interference supression: EMC DIRECTIVE(2014/30/EU) Controls: E Control type: E Tank: Yes Diaphragm tank: Yes Others: F Basis plant: Y Net weight: 428 kg Gross weight: 460 kg Product range: GB Config. file no: 98272395 Config.file Control MPC: 98271948 Config.file Hydro MPC: 98272020 Country of origin: GB Custom tariff no.: 84137075 | - | | | | | e | | |
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| Country of origin: GB Custom tariff no.: 84137075 | | L1 — | i | | ┋ | $\top +$ | | |
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