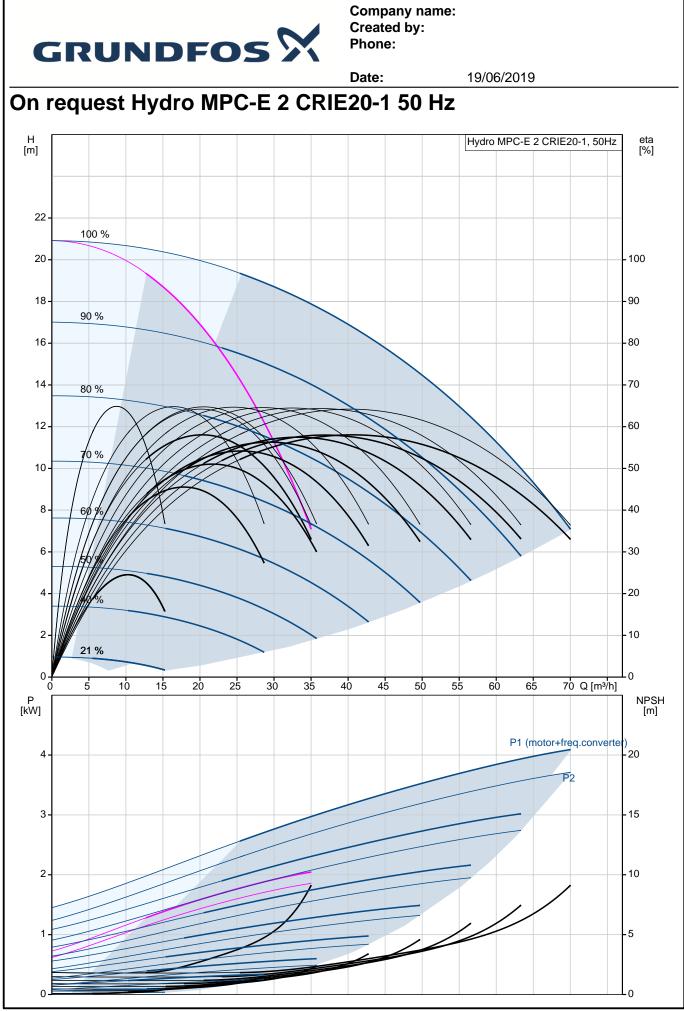




Company name: Created by: Phone:

|   | <b>Date:</b> 19/06/2019   |  |  |
|---|---|--|--|
| 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 monitoring.  |  |  |
|   | Motor protection.<br>Sensors and cables monitored for malfunction.                |  |  |
|   | Alarm log with the previous 24 warnings/alarms.                                   |  |  |
|   | Display and indication functions:   |  |  |
|   | 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.   |  |  |
|   | as been preset and tested.  |  |  |
| Flow media:   | Water   |  |  |
| Allowed liquid temp.:                                   | 5 °C 60 °C<br>.: 16 bar   |  |  |
| System pressure max.<br>Flow (Plant):                   | $70 \text{ m}^3/\text{h}$   |  |  |
|   | d-by pump acc. DIN 1988/T5: 31 m³/h   |  |  |
| Mains suply:  | 380-415 V   |  |  |
| Nom. current of plant:                                  |   |  |  |
| Nominal power:  | 2.2 kW  |  |  |
| Net weight:   | 168 kg  |  |  |
| Maximum head: 20 m<br>Maximum flow: 70 m <sup>3</sup> / |   |  |  |
|   |   |  |  |
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## Company name: Created by: Phone:

| Description                                | Value                        | H<br>[m]  | Hydro MPC-E 2 CRIE20-1, 50H                                   |
|--|------------------------------|-----------|---|
| General information:                       |                              | -         |   |
| Product name:                              | Hydro MPC-E 2 CRIE20-1       | 22 -      |   |
| Product No:                                | On request                   | 100 %     |   |
| EAN number:                                | On request                   | 20-       |   |
| Technical:                                 |                              | 18 -      |   |
| Max flow:                                  | 70 m³/h                      | 90 %      |   |
| Max flow system:                           | 31 m³/h                      | 16 -      |   |
| Head max:                                  | 20 m                         | 14 - 80 % |   |
| Main pump name:                            | CRIE20-1                     | 14 - 80 % |   |
| Main pump No:                              | 98390783                     | 12-       |   |
| Number of pumps:                           | 2                            | 70 %      | HANDER I  |
| Non-ret. valve:                            | at discharge side            | 10-       |   |
| Materials:                                 | 0                            | 8-69%     |   |
| Manifolds:                                 | EN/DIN 1.4571/ AISI 316 TI   |           | I = V = V = V = V = V   |
| Installation:                              |                              | 6-        | $\mathcal{I}$ , $\mathcal{I}$ , $\mathcal{I}$ , $\mathcal{I}$ |
| Maximum operating pressure:                | 16 bar                       | 4-10%     |   |
| Maximum permissible inlet pressure:        | 15.2 bar                     | 2-        |   |
| Manifold inlet:                            | DN80                         | 0         |   |
| Manifold outlet:                           | DN80                         | 0 10 20   | 30 40 50 60 Q [m³/  |
| Pressure rating:                           | PN16                         | P<br>[kW] |   |
| Earth connection:                          | PE                           |           | P1 (motor+freq.o  |
| Liquid:                                    |                              | 4         |   |
| Pumped liquid:                             | Water                        | -         | P2  |
| Liquid temperature range:                  | 5 60 °C                      | 3-        |   |
| Selected liquid temperature:               | 20 °C                        | -         |   |
| Density at selected liquid<br>temperature: | 998.2 kg/m <sup>3</sup>      | 2-        | 1 1   |
| Electrical data:                           |                              | 1-        |   |
| Power (P2) main pump:                      | 2.2 kW                       |           |   |
| Mains frequency:                           | 50 Hz                        | 0         |   |
| Rated voltage:                             | 3 x 380-415 V                |           |   |
| Rated current of system:                   | 8,8A-415V                    |           |   |
| Start. method:                             | electronically               |           |   |
| Enclosure class (IEC 34-5):                | IP54                         |           |   |
| Radio interference supression:             | EMC<br>DIRECTIVE(2014/30/EU) |           |   |
| Controls:                                  |                              |           |   |
| Control type:                              | E                            |           |   |
| Tank:                                      |                              |           |   |
| Diaphragm tank:                            | Yes                          |           |   |
| Others:                                    |                              |           |   |
| Basis plant:                               | Y                            |           |   |
| Net weight:                                | 168 kg                       |           |   |
| Gross weight:                              | 189 kg                       |           |   |
| Product range:                             | GB                           |           |   |
| Config. file no:                           | 98272411                     |           |   |
| Config.file Control MPC:                   | 98271946                     |           |   |
| Config.file Hydro MPC:                     | 98272014                     |           |   |
| Country of origin:                         | GB                           |           |   |
| Custom tariff no.:                         | 84137075                     |           |   |

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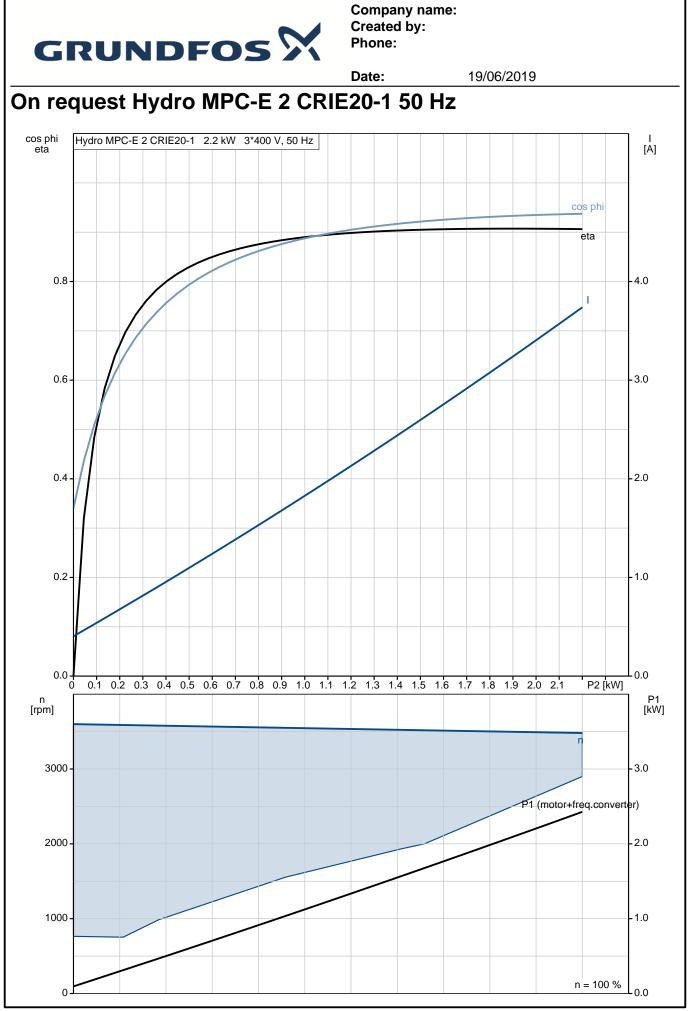
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