| GRUNDFOS | Create<br>Phone |
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|          | Date:           |

02/10/2023

| Qty. | Description                 |
|------|-----------------------------|
| 1    | CM 3-2 A-R-A-E-AVBE C-A-A-N |

Product No.: 96806802

Compact, reliable, horizontal, multistage, end-suction centrifugal pump with axial suction port and radial discharge port. The shaft, impellers and chambers are made of stainless steel. The inlet and discharge parts are made of cast iron. The mechanical shaft seal is a special designed, unbalanced O-ring seal. Pipework connection is via internal Whitworth pipe threads, Rp (ISO 7/1).

rpm

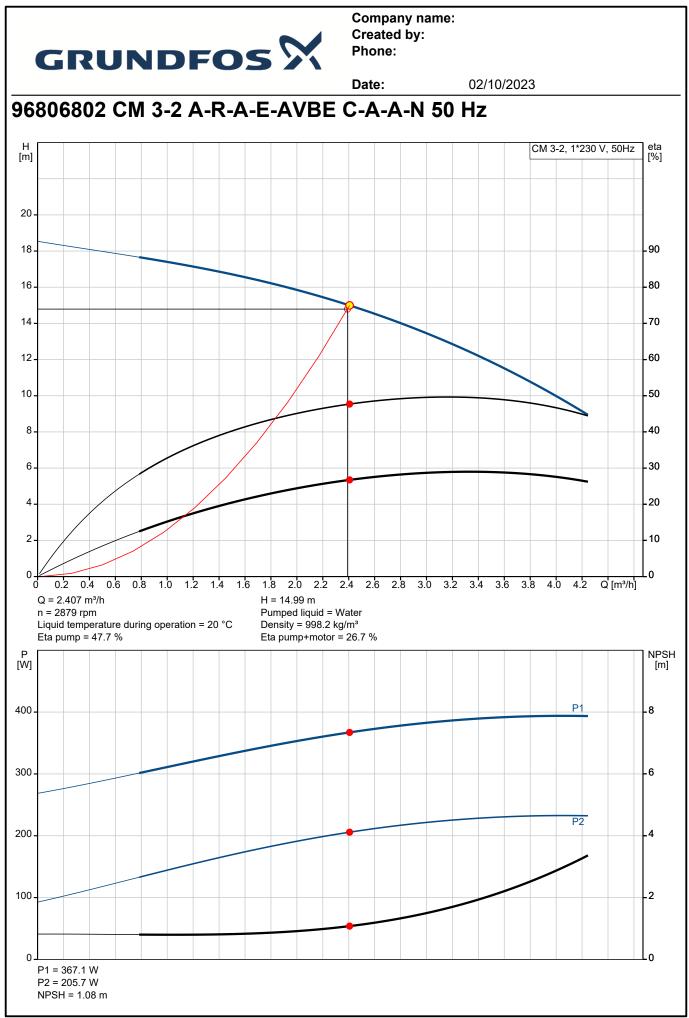
The pump is fitted with a 1-phase, foot-mounted, fan-cooled asynchronous motor.

| Controls:<br>Frequency converter:  | NONE   |
|--|--|
| Liquid:<br>Pumped liquid:<br>Liquid temperature range:<br>Selected liquid temperature:<br>Density:   | Water<br>-20 90 °C<br>20 °C<br>998.2 kg/m³   |
| Technical:<br>Pump speed on which pump data<br>Actual calculated flow:<br>Rated flow:<br>Resulting head of the pump:<br>Rated head:<br>Code for shaft seal:<br>Approvals:<br>Approvals for drinking water:<br>Curve tolerance: | are based: 2900<br>2.407 m³/h<br>3.1 m³/h<br>14.99 m<br>13.55 m<br>AVBE<br>CE,EAC,UKCA<br>ACS,NSF61<br>ISO9906:2012 3B |
| Materials:<br>Pump housing:<br>Impeller:   | Cast iron<br>EN-GJL-200<br>ASTM A48-25A<br>Stainless steel<br>EN 1.4301<br>AISI 304                                    |
| Installation:<br>Range of ambient temperature:<br>Maximum operating pressure:<br>Max pressure at stated temp:<br>Type of connection:<br>Size of inlet connection:<br>Size of outlet connection:<br>Outlet position:            | -20 55 °C<br>10 bar<br>10 bar / 40 °C<br>6 bar / 90 °C<br>Rp<br>1 inch<br>1 inch<br>12                                 |
| Electrical data:<br>Motor standard:<br>Frame size:<br>Rated power - P2:<br>Mains frequency:<br>Suitable for 50/60 Hz:<br>Rated voltage:<br>Service factor:<br>Rated current:<br>Starting current:<br>Rated speed:              | IEC<br>71A<br>0.3 kW<br>50 Hz<br>N<br>1 x 220-240 V V<br>1.00<br>1.8-2.4 A<br>340-340 %<br>2800-2830 rpm               |



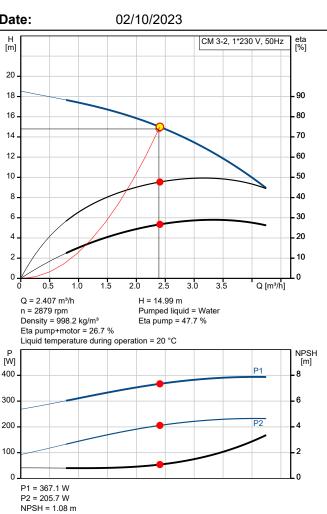
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|     |                                  |         | Date:  | 02/10/2023 |  |
| ty. | Description                      |         |        |            |  |
|     | Enclosure class (IEC 34-5):      | IP55    |        |            |  |
|     | Insulation class (IEC 85):       | F       |        |            |  |
|     | Built-in motor protection:       | PTO     |        |            |  |
|     | Cable included (Yes/No):         | Ν       |        |            |  |
|     | Others:                          |         |        |            |  |
|     | Terminal box position:           | 12      |        |            |  |
|     | Minimum efficiency index, MEI ≥: |         |        |            |  |
|     | Net weight:                      | 11 kg   |        |            |  |
|     | Gross weight:                    | 13.5 kg |        |            |  |
|     |                                  |         |        |            |  |
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| DescriptionValueGeneral information:Product name:CM 3-2 A-R-A-E-AVBE<br>C-A-A-NProduct No:96806802EAN number:5700310917498Technical:Pump speed on which pump data are<br>based:2900 rpmActual calculated flow:2.407 m³/hRated flow:3.1 m³/hResulting head of the pump:14.99 mPated head29.55 m | _ 1<br>_ 1<br>_ 1                                 |
|--|---|
| General information:Product name:CM 3-2 A-R-A-E-AVBE<br>C-A-A-NProduct No:96806802EAN number:5700310917498Technical:2900 rpmPump speed on which pump data are<br>based:2900 rpmActual calculated flow:2.407 m³/hRated flow:3.1 m³/hResulting head of the pump:14.99 m                          | = 2<br>_ 1<br>_ 1<br>_ 1<br>_ 1                   |
| C-A-NProduct No:96806802EAN number:5700310917498Technical:Pump speed on which pump data are<br>based:2900 rpmActual calculated flow:2.407 m³/hRated flow:3.1 m³/hResulting head of the pump:14.99 m  | - 2<br>- 1<br>- 1<br>- 1<br>- 1<br>- 1<br>- 1<br> |
| EAN number:5700310917498Technical:2900 rpmPump speed on which pump data are<br>based:2900 rpmActual calculated flow:2.407 m³/hRated flow:3.1 m³/hResulting head of the pump:14.99 m  | _ 1<br>_ 1<br>_ 1<br>_ 1<br>_ 1                   |
| EAN number:5700310917498Technical:2900 rpmPump speed on which pump data are<br>based:2900 rpmActual calculated flow:2.407 m³/hRated flow:3.1 m³/hResulting head of the pump:14.99 m  | - 1<br>- 1<br>- 1<br>- 1                          |
| Pump speed on which pump data are<br>based:2900 rpmActual calculated flow:2.407 m³/hRated flow:3.1 m³/hResulting head of the pump:14.99 m  | - 1<br>- 1<br>- 1<br>                             |
| based:2.407 m³/hActual calculated flow:2.407 m³/hRated flow:3.1 m³/hResulting head of the pump:14.99 m   |   |
| Rated flow:3.1 m³/hResulting head of the pump:14.99 m  | - 1   |
| Resulting head of the pump: 14.99 m  |   |
|  |   |
| Datad baady 42 FF m  |   |
| Rated head: 13.55 m  |   |
| Impellers: 2   |   |
| Code for shaft seal: AVBE  |   |
| Approvals: CE,EAC,UKCA   |   |
| Approvals for drinking water: ACS,NSF61  |   |
| Curve tolerance: ISO9906:2012 3B   |   |
| Pump version: A  |   |
| Model: A   |   |
| Materials:   |   |
| Pump housing: Cast iron  | [V  |
| Pump housing: EN-GJL-200   | 40  |
| Pump housing: ASTM A48-25A   | - 30  |
| Impeller: Stainless steel  | 50  |
| Impeller: EN 1.4301  | 20  |
| Impeller: AISI 304   |   |
| Material code: A   | 10  |
| Code for rubber: E   |   |
| Installation:  |   |
| Range of ambient temperature: -20 55 °C  |   |
| Maximum operating pressure: 10 bar   |   |
| Max pressure at stated temp: 10 bar / 40 °C  |   |
| Max pressure at stated temp: 6 bar / 90 °C   |   |
| Type of connection: Rp   |   |
| Size of inlet connection: 1 inch   |   |
| Size of outlet connection: 1 inch  |   |
| Outlet position: 12  |   |
| Connect code: R  |   |
| Liquid:  |   |
| Pumped liquid: Water   |   |
| Liquid temperature range: -20 90 °C<br>Selected liquid temperature: 20 °C  |   |
|  |   |
| Density: 998.2 kg/m <sup>3</sup> Electrical data:  |   |
| Motor standard: IEC  |   |
| Frame size: 71A  |   |
| Rated power - P2: 0.3 kW   |   |
| Mains frequency: 50 Hz   |   |
| Suitable for 50/60 Hz: N   |   |
| Rated voltage:         1 x 220-240 V V   |   |
| Service factor: 1.00   |   |
| Rated current: 1.8-2.4 A   |   |
| Starting current: 340-340 %  |   |
| Rated speed: 2800-2830 rpm   |   |
| Enclosure class (IEC 34-5): IP55   |   |
| Insulation class (IEC 85): F   |   |
| Built-in motor protection: PTO   |   |
| Cable included (Yes/No): N   |   |
|  |   |



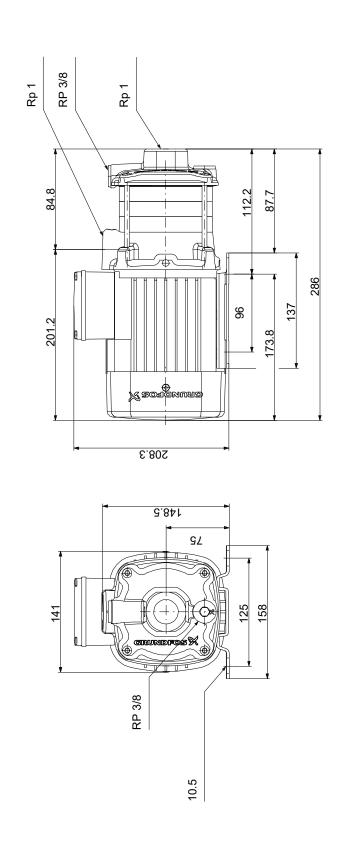


|                                  |         | Date: | 02/10/2023 |
|----------------------------------|---------|-------|------------|
| scription                        | Value   |       |            |
| ontrols:                         |         |       |            |
| Frequency converter:             | NONE    |       |            |
| Others:                          |         |       |            |
| erminal box position:            | 12      |       |            |
| linimum efficiency index, MEI ≥: | 0.7     |       |            |
| et weight:                       | 11 kg   |       |            |
| ross weight:                     | 13.5 kg |       |            |
|                                  |         |       |            |



02/10/2023

## 96806802 CM 3-2 A-R-A-E-AVBE C-A-A-N 50 Hz



Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.