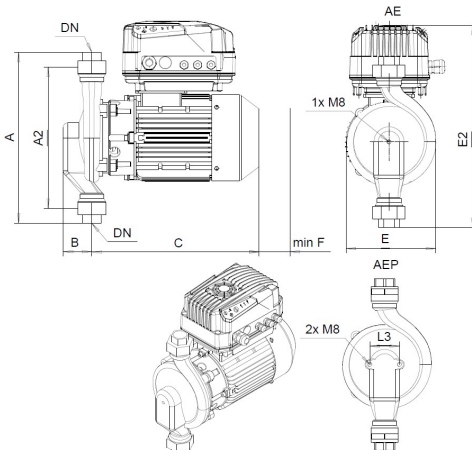


|                                                                                                                                                                                                                                                                                                                                 |     | AE_-26/2 MD 1,1kW                        |  | Item                  |  | Page: 1                                   |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------|--|-----------------------|--|-------------------------------------------|--|---------------|--|---|-----|----|-----|---|----|---|-----|----|----|---|-----|----|-----|----|----|------|-----|
|                                                                                                                                                                                                                                                                                                                                                                                                                 |     | Receiver                                 |  | From                  |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Company name                                                                                                                                                                                                                                                                                                                                                                                                    |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Department                                                                                                                                                                                                                                                                                                                                                                                                      |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Phone number                                                                                                                                                                                                                                                                                                                                                                                                    |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Fax no.                                                                                                                                                                                                                                                                                                                                                                                                         |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| e-mail address                                                                                                                                                                                                                                                                                                                                                                                                  |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Requested data                                                                                                                                                                                                                                                                                                                                                                                                  |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Fluid                                                                                                                                                                                                                                                                                                                                                                                                           |     | Water                                    |  | Nominal flow          |  | l/s                                       |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Solids                                                                                                                                                                                                                                                                                                                                                                                                          |     | Type                                     |  | Nominal head          |  | m                                         |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                 |     | Weight %                                 |  | 0                     |  | Static head                               |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                          |  |                       |  | m                                         |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| pH-value at t A                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                          |  | Available system NPSH |  | m                                         |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Operating temperature t A                                                                                                                                                                                                                                                                                                                                                                                       |     | °C 20                                    |  | Inlet pressure        |  | kPa 0                                     |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Density at t A                                                                                                                                                                                                                                                                                                                                                                                                  |     | kg/m³ 998.3                              |  | Altitude              |  | m 100                                     |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Kin. viscosity at t A                                                                                                                                                                                                                                                                                                                                                                                           |     | cSt 1.005                                |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Vapour pressure at t A                                                                                                                                                                                                                                                                                                                                                                                          |     | kPa 2.34                                 |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Pumpenbezeichnung                                                                                                                                                                                                                                                                                                                                                                                               |     | AE_-26/2MD 1.1kW                         |  | Pumpe                 |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Pumppu- ja positionumerot                                                                                                                                                                                                                                                                                                                                                                                       |     |                                          |  | Impeller type         |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Frame size                                                                                                                                                                                                                                                                                                                                                                                                      |     |                                          |  | Impeller construction |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Design                                                                                                                                                                                                                                                                                                                                                                                                          |     | In-line pump with frequency converter MD |  | Impeller Ø            |  | Max. mm 125                               |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Weight                                                                                                                                                                                                                                                                                                                                                                                                          |     | 28                                       |  |                       |  | Designed mm 125                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Self-suctioning                                                                                                                                                                                                                                                                                                                                                                                                 |     | <input type="checkbox"/> Yes             |  |                       |  | Min. mm 125                               |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                           |     | 1/min 3600                               |  | Flow                  |  | Nominal l/s 2.21                          |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Max. operating pressure                                                                                                                                                                                                                                                                                                                                                                                         |     | kPa 317                                  |  |                       |  | Max- l/s 4.15                             |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Max. diff. pressure                                                                                                                                                                                                                                                                                                                                                                                             |     | kPa 317                                  |  |                       |  | Min- l/s 0                                |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| No. stages                                                                                                                                                                                                                                                                                                                                                                                                      |     | 1                                        |  | Head                  |  | Nominal m                                 |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| No. diffusers                                                                                                                                                                                                                                                                                                                                                                                                   |     | 1                                        |  |                       |  | @ Qmax m 4.2                              |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                          |  |                       |  | @ Qmin m 32.4                             |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Suction port                                                                                                                                                                                                                                                                                                                                                                                                    |     | Pressure rating                          |  |                       |  | Head H(Q=0) m 32.4                        |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                 |     | Nominal pipe size                        |  |                       |  | NPSH 3% m                                 |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                 |     | Standard                                 |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Discharge port                                                                                                                                                                                                                                                                                                                                                                                                  |     | Pressure rating                          |  |                       |  | Shaft power kW                            |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                 |     | Nominal pipe size                        |  |                       |  | Max. shaft power at max. impeller kW 1.46 |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                 |     | Standard                                 |  |                       |  | Efficiency                                |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Materials Pump parts                                                                                                                                                                                                                                                                                                                                                                                            |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Pump                                                                                                                                                                                                                                                                                                                                                                                                            |     | Pump: Grey cast iron PN10                |  | Shaft seal            |  | Standard seal                             |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Impeller                                                                                                                                                                                                                                                                                                                                                                                                        |     | Plastic                                  |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|                                                                                                                                                                                                                                                                                                                              |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| <table border="1"> <thead> <tr> <th colspan="2">Dimensions mm</th> </tr> </thead> <tbody> <tr><td>A</td><td>318</td></tr> <tr><td>A2</td><td>260</td></tr> <tr><td>B</td><td>58</td></tr> <tr><td>C</td><td>315</td></tr> <tr><td>DN</td><td>G1</td></tr> <tr><td>E</td><td>170</td></tr> <tr><td>E2</td><td>380</td></tr> <tr><td>L3</td><td>55</td></tr> <tr><td>minF</td><td>150</td></tr> </tbody> </table> |     |                                          |  |                       |  |                                           |  | Dimensions mm |  | A | 318 | A2 | 260 | B | 58 | C | 315 | DN | G1 | E | 170 | E2 | 380 | L3 | 55 | minF | 150 |
| Dimensions mm                                                                                                                                                                                                                                                                                                                                                                                                   |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| A                                                                                                                                                                                                                                                                                                                                                                                                               | 318 |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| A2                                                                                                                                                                                                                                                                                                                                                                                                              | 260 |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| B                                                                                                                                                                                                                                                                                                                                                                                                               | 58  |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| C                                                                                                                                                                                                                                                                                                                                                                                                               | 315 |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| DN                                                                                                                                                                                                                                                                                                                                                                                                              | G1  |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| E                                                                                                                                                                                                                                                                                                                                                                                                               | 170 |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| E2                                                                                                                                                                                                                                                                                                                                                                                                              | 380 |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| L3                                                                                                                                                                                                                                                                                                                                                                                                              | 55  |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| minF                                                                                                                                                                                                                                                                                                                                                                                                            | 150 |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Motor                                                                                                                                                                                                                                                                                                                                                                                                           |     |                                          |  | Coupling              |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Type                                                                                                                                                                                                                                                                                                                                                                                                            |     | Kolmek's KP-80-1 N12                     |  | Type                  |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Specific design                                                                                                                                                                                                                                                                                                                                                                                                 |     | - / 50 Hz / Pole pairs 1                 |  | Series                |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Rated power kW 1.1                                                                                                                                                                                                                                                                                                                                                                                              |     | Speed 1/min 2880                         |  | Spacer length         |  | mm                                        |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Electric voltage V 1~ 230                                                                                                                                                                                                                                                                                                                                                                                       |     | Electric current A 8.4                   |  | Frame size            |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Degree of protection                                                                                                                                                                                                                                                                                                                                                                                            |     | Frame size                               |  | Max input current     |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Type of protection                                                                                                                                                                                                                                                                                                                                                                                              |     | Explosion protection                     |  | Max input current     |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Remarks:                                                                                                                                                                                                                                                                                                                                                                                                        |     |                                          |  |                       |  |                                           |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
| Project                                                                                                                                                                                                                                                                                                                                                                                                         |     | Business process IC                      |  | Issue date            |  | Last update                               |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                          |  | 2022-09-07            |  | 2022-09-07                                |  |               |  |   |     |    |     |   |    |   |     |    |    |   |     |    |     |    |    |      |     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Performance curves  |  |            |  | Revision number |  | Page |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|--|------------|--|-----------------|--|------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | AE_-26/2 MD 1,1kW   |  |            |  |                 |  | 2    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Customer            |  |            |  | Supplier        |  |      |  |
| Company name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |            |  |                 |  |      |  |
| Dept.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                     |  |            |  |                 |  |      |  |
| Editor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                     |  |            |  |                 |  |      |  |
| Phone number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |            |  |                 |  |      |  |
| Fax no.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                     |  |            |  |                 |  |      |  |
| E-mail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                     |  |            |  |                 |  |      |  |
| Impeller                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                     |  |            |  |                 |  |      |  |
| Impeller type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                     |  |            |  |                 |  |      |  |
| Impeller construction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                     |  |            |  |                 |  |      |  |
| Sense of rotation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                     |  |            |  |                 |  |      |  |
| Clockwise from the drive end                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |            |  |                 |  |      |  |
| Bearing bracket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |            |  |                 |  |      |  |
| Outlet width                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |            |  |                 |  |      |  |
| mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                     |  |            |  |                 |  |      |  |
| Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                     |  |            |  |                 |  |      |  |
| 50 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                     |  |            |  |                 |  |      |  |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                     |  |            |  |                 |  |      |  |
| 1/min 3600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                     |  |            |  |                 |  |      |  |
| Power data referred to: ; 20°C; 998.3kg/m³; 1.005cSt<br>Reference no.<br>Frame size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                     |  |            |  |                 |  |      |  |
| Tolerance according to: No testnorm defined for this product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |            |  |                 |  |      |  |
| <p>The figure contains three vertically stacked graphs sharing a common x-axis representing Flow (Q) in l/s, ranging from 0 to 4.2.</p> <ul style="list-style-type: none"> <li><b>Top Graph: Head (H) in meters (m) vs Flow (Q).</b> The y-axis ranges from 0 to 32. Curves are shown for 20Hz, 30Hz, 40Hz, 50Hz, and 62Hz. Head decreases as flow increases and as frequency increases.</li> <li><b>Middle Graph: Shaft power (P<sub>2</sub>) in kW vs Flow (Q).</b> The y-axis ranges from 0 to 1.2. Curves are shown for 20Hz, 30Hz, 40Hz, 50Hz, and 62Hz. Shaft power increases with both flow and frequency.</li> <li><b>Bottom Graph: Hydraulic efficiency (η) in % vs Flow (Q).</b> The y-axis ranges from 0 to 50. Curves are shown for 20Hz, 30Hz, 40Hz, 50Hz, and 62Hz. Efficiency peaks at different flow rates and generally decreases at higher frequencies.</li> </ul> |  |                     |  |            |  |                 |  |      |  |
| Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Business process ID |  | Issue date |  | Last update     |  |      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                     |  | 2022-09-07 |  | 2022-09-07      |  |      |  |