

**General Data**

|                                                                           |                   |
|---------------------------------------------------------------------------|-------------------|
| Model:                                                                    | GT 50/2/173 C.180 |
| Code:                                                                     | 2000062           |
| Series:                                                                   | G2                |
| Weight [Kg]                                                               | 95.00             |
| Submersible eletropumps for sewage with an inbuilt macerator in the inlet |                   |

**Hydraulic**

|                          |                |
|--------------------------|----------------|
| Impeller Type:           | -              |
| Delivery DN [mm]:        | G 2" DN50 PN10 |
| Input DN [mm]:           | -              |
| Free Passage [mm]:       | -              |
| Impeller Ø [mm]:         | 206            |
| Max Pump Efficiency [%]: | 0.0            |
| Global Efficiency [%]:   | 0.01           |
| Head [m]:                | 34.01          |
| Flow [m³/h]:             | 26.00          |

*Tolerance according to ISO 9906:2012 3B2*

**Features**

|                        |                                 |
|------------------------|---------------------------------|
| Upper Meccanical seal: | CA/CE/Viton                     |
| Lower Meccanical Seal: | SIC/SIC/Viton                   |
| Upper Bearing:         | Single raw ball bearing         |
| Lower Bearing:         | Double raw ball bearing         |
| IP Protection:         | IP68                            |
| Motor protection:      | present                         |
| Humidity sensor:       | present                         |
| ATEX:                  | not present                     |
| Applied Paint:         | Two component water-based paint |
| Cable Length [m]:      | 10                              |
| Lubricating Oil:       | Q8 WF15                         |
| Oil Quantity [Kg]:     | 1.30                            |

**Materials**

|                 |                       |
|-----------------|-----------------------|
| Pump:           | -                     |
| Impeller:       | -                     |
| Motor shaft:    | -                     |
| Cooling Jacket: | Not available         |
| Screw:          | Stainless steel A2-70 |
| Cable:          | H07RN8F               |

**Pumped Liquid**

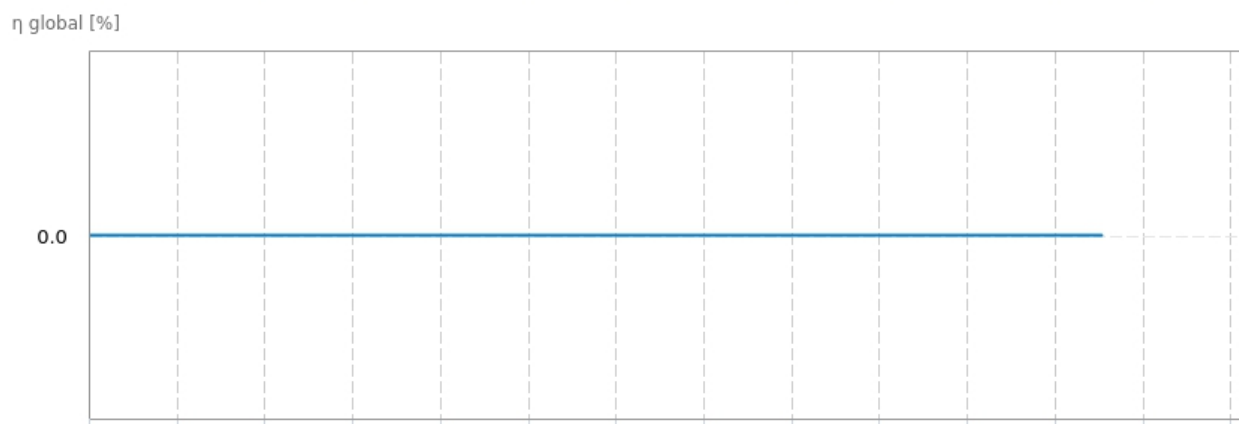
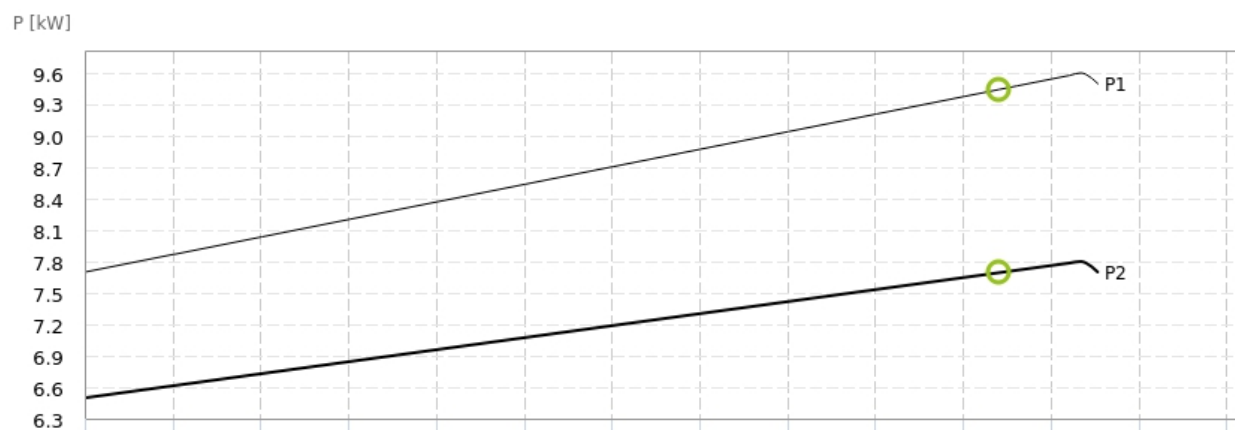
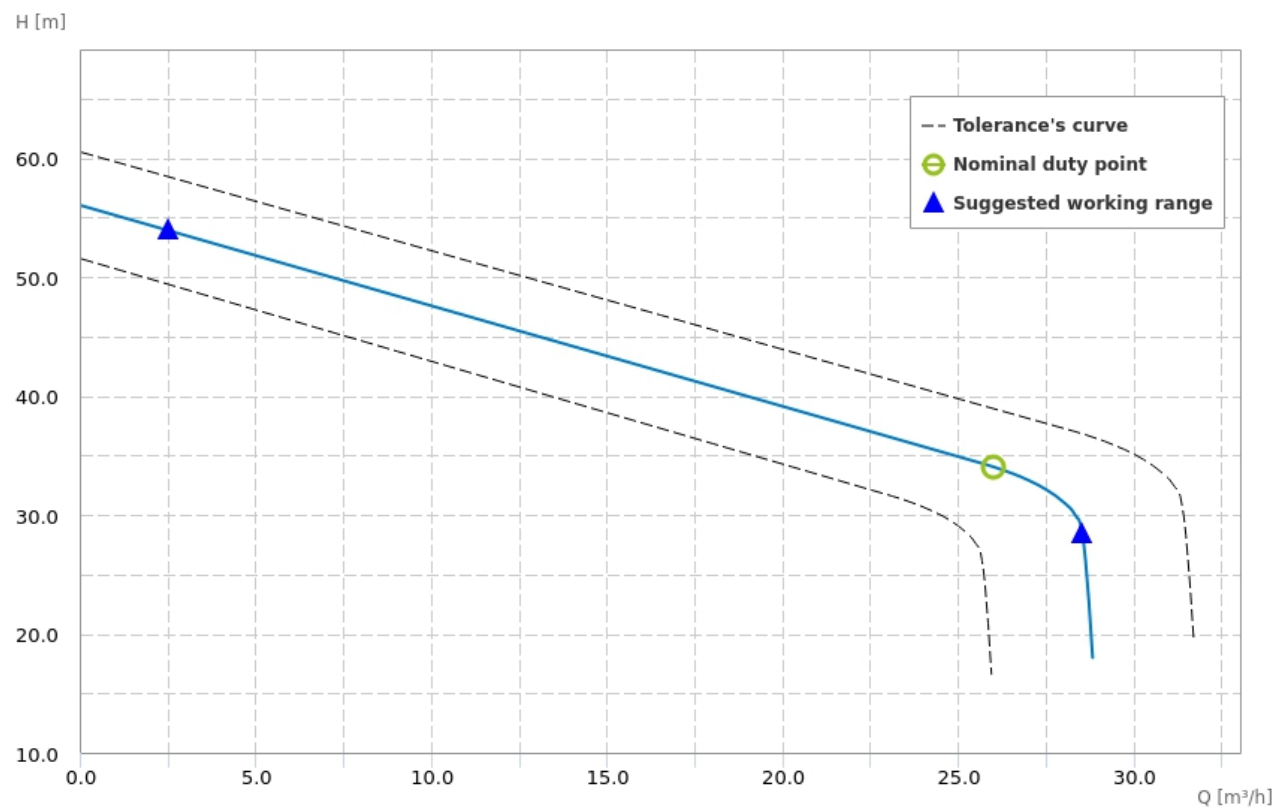
|                    |                          |
|--------------------|--------------------------|
| Pumped Liquid:     | Light and lightly sewage |
| Density [Kg/dm³]:  | 1.1                      |
| pH:                | 2023-10-06               |
| Temperature Range: | 0-40°C                   |

**Installation**

|                                 |                                                               |
|---------------------------------|---------------------------------------------------------------|
| Maximum depth of immersion [m]: | 20                                                            |
| Cooling Type:                   | The cooling of the motor is ensured by the surrounding liquid |
| Installation:                   |                                                               |
| Floating on board machine:      | not present                                                   |



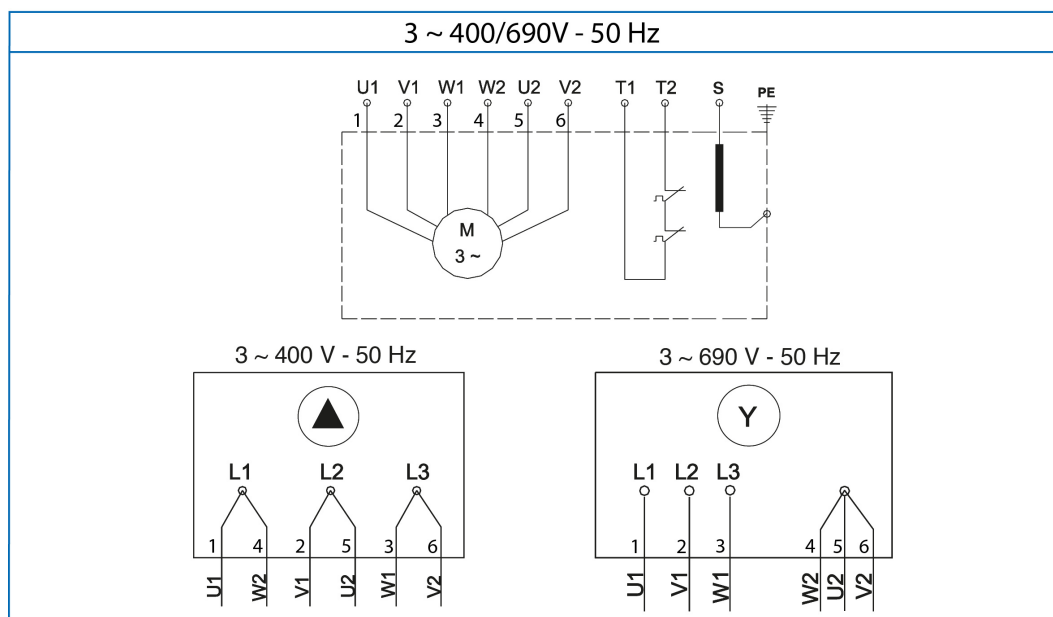
Attention: pictures for illustrative purposes



## Motor

|                                  |            |
|----------------------------------|------------|
| Motor code:                      | 3520740210 |
| Power P1 [kW]:                   | 9.60       |
| Power P2 [kW]:                   | 7.80       |
| Phases:                          | 3          |
| Frequency [Hz]:                  | 50         |
| Tension [V]:                     | 400        |
| Nominal current [A]:             | 16.2       |
| Starting current [%]:            | 609.0      |
| Power Factor:                    | 0.89       |
| R.P.M.:                          | 2850       |
| Starting:                        | Y-D        |
| Capacitor [μF]:                  | 0.0        |
| Insulation Class:                | F 155°C    |
| Service type:                    | S2         |
| Max Efficiency [%]:              | 85.70      |
| Max Efficiency at full load [%]: | 83.9       |
| Efficiency at ¾ load [%]:        | 84.6       |
| Efficiency at ½ load [%]:        | 84.2       |
| Efficiency class:                | IE2        |

## Wiring diagrams



## Dimensions drawing

