

## General Data

|                                                   |                          |
|---------------------------------------------------|--------------------------|
| Model:                                            | COMPATTA PRO-EX 50-2/060 |
| Code:                                             | 2000022EX                |
| Series:                                           | Compatta PRO             |
| Weight [Kg]                                       | 24.00                    |
| Submersible pump for sewage with suspended solids |                          |

## Hydraulic

|                          |       |
|--------------------------|-------|
| Impeller Type:           | -     |
| Delivery DN [mm]:        | G 2"  |
| Input DN [mm]:           | 50    |
| Free Passage [mm]:       | 50    |
| Impeller Ø [mm]:         | 96    |
| Max Pump Efficiency [%]: | 0.0   |
| Global Efficiency [%]:   | 22.73 |
| Head [m]:                | 4.99  |
| Flow [m³/h]:             | 14.40 |

*Tolerance according to ISO 9906:2012 3B2*



Attention: pictures for illustrative purposes

## Features

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| Upper Meccanical seal: | Lips seal                                               |
| Lower Meccanical Seal: | Silicon carbide/ceramic/Viton                           |
| Upper Bearing:         | Single raw ball bearing                                 |
| Lower Bearing:         | Single raw ball bearing                                 |
| IP Protection:         | IP68                                                    |
| Motor protection:      | present                                                 |
| Humidity sensor:       | not present                                             |
| ATEX:                  | II 2G Ex db IIB T4 Gb - Ex h IIB T4 Gb 0°C ≤ Ta ≤ +40°C |
| Applied Paint:         | Two component water-based paint                         |
| Cable Length [m]:      | 10                                                      |
| Lubricating Oil:       | -                                                       |
| Oil Quantity [Kg]:     | 0.00                                                    |

## Materials

|                 |                              |
|-----------------|------------------------------|
| Pump:           | Cast Iron EN 1561 EN-GJL-200 |
| Impeller:       | Cast iron EN 1561 EN-GJL-200 |
| Motor shaft:    | Stainless steel AISI 420     |
| Cooling Jacket: | Not available                |
| Screw:          | Stainless steel A2-70        |
| Cable:          | H07RN8F                      |

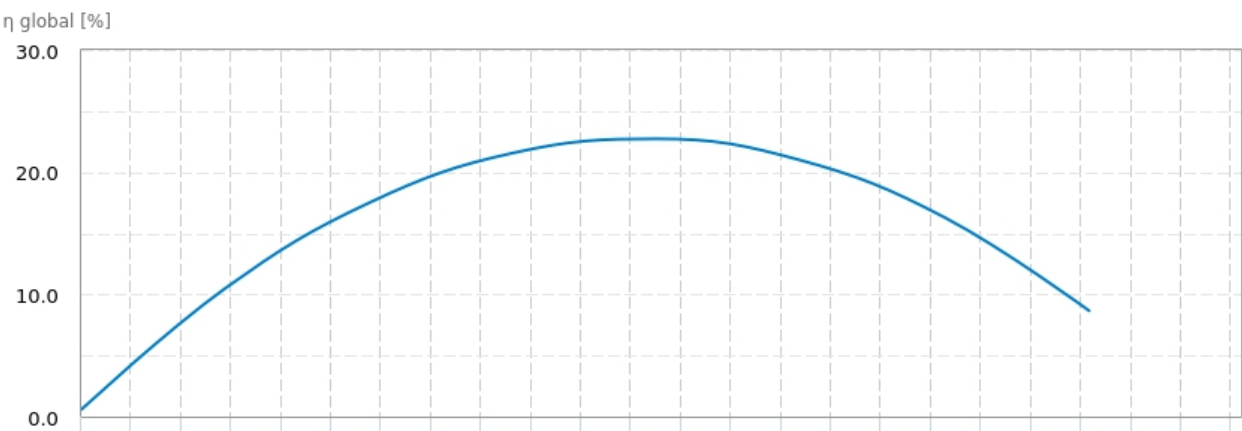
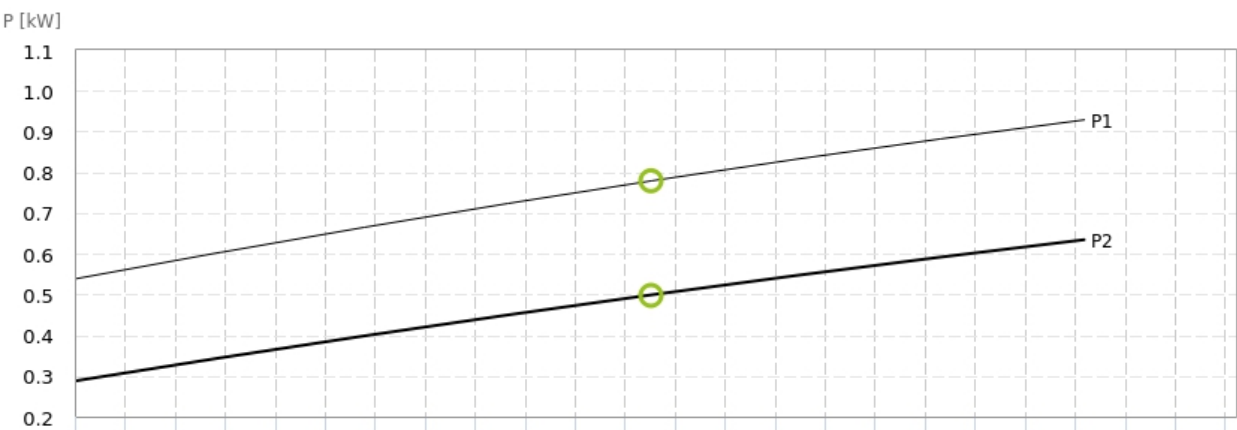
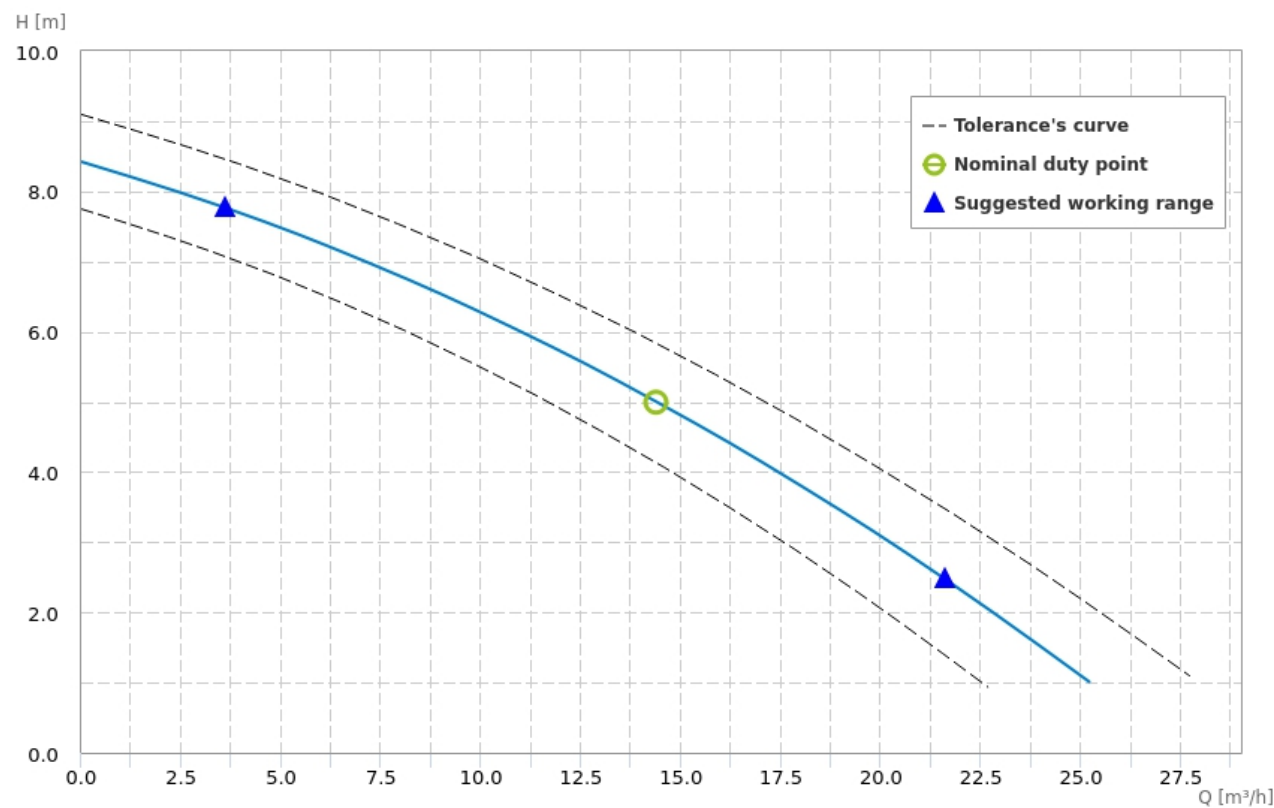
## Pumped Liquid

|                |        |
|----------------|--------|
| Pumped Liquid: | Sewage |
|----------------|--------|

|                                |            |
|--------------------------------|------------|
| Density [Kg/dm <sup>3</sup> ]: | 1.1        |
| pH:                            | 2023-10-06 |
| Temperature Range:             | 0-40°C     |

### Installation

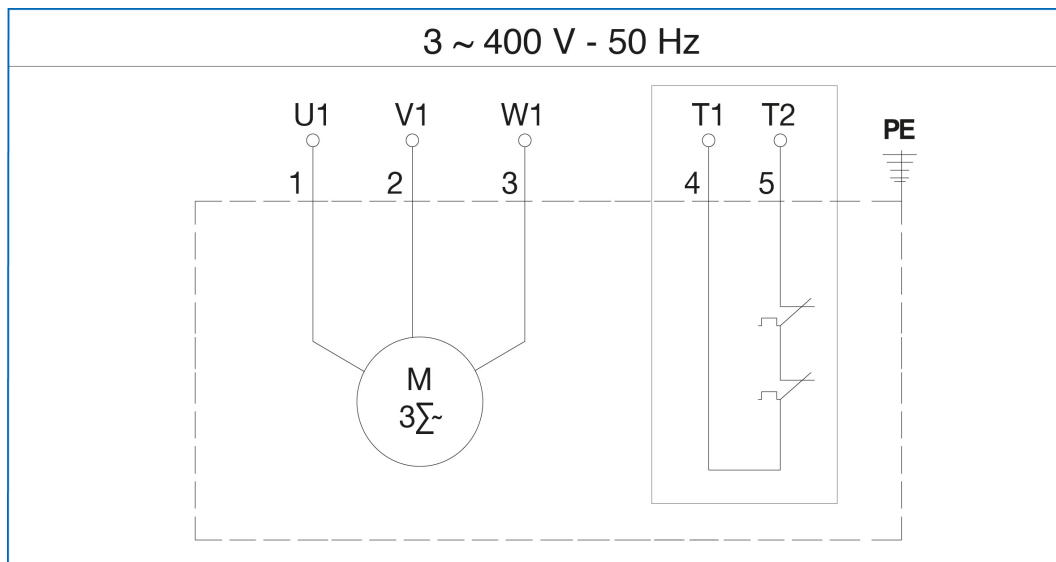
|                                 |                                                               |
|---------------------------------|---------------------------------------------------------------|
| Maximum depth of immersion [m]: | 20                                                            |
|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



## Motor

|                                       |            |
|---------------------------------------|------------|
| Motor code:                           | 3520160420 |
| Power P1 [kW]:                        | 0.90       |
| Power P2 [kW]:                        | 0.60       |
| Phases:                               | 3          |
| Frequency [Hz]:                       | 50         |
| Tension [V]:                          | 400        |
| Nominal current [A]:                  | 2.1        |
| Starting current [%]:                 | 518.0      |
| Power Factor:                         | 0.69       |
| R.P.M.:                               | 2850       |
| Starting:                             | D.O.L      |
| Capacitor [μF]:                       | 0.0        |
| Insulation Class:                     | F 155°C    |
| Service type:                         | S2         |
| Max Efficiency [%]:                   | 79.70      |
| Max Efficiency at full load [%]:      | 79.0       |
| Efficiency at $\frac{3}{4}$ load [%]: | 78.6       |
| Efficiency at $\frac{1}{2}$ load [%]: | 78.7       |
| Efficiency class:                     | -          |

## Wiring diagrams



## Dimensions drawing

