

## General Data

|   |                  |
|---|------------------|
| Model:  | COMPATTA EVO 2 T |
| Code:   | 2001004          |
| Series:   | Compatta         |
| Weight [Kg]                                       | 19.00            |
| Submersible pump for sewage with suspended solids |                  |

## Hydraulic

|                          |         |
|--------------------------|---------|
| Impeller Type:           | -       |
| Delivery DN [mm]:        | G 1"1/2 |
| Input DN [mm]:           | 40      |
| Free Passage [mm]:       | 35      |
| Impeller Ø [mm]:         | 96      |
| Max Pump Efficiency [%]: | 0.0     |
| Global Efficiency [%]:   | 21.15   |
| Head [m]:                | 5.74    |
| Flow [m³/h]:             | 7.20    |

*Tolerance according to ISO 9906:2012 3B2*

## Features

|                        |                                 |
|------------------------|---------------------------------|
| Upper Meccanical seal: | Carbon/Ceramic/Viton            |
| Lower Meccanical Seal: | Silicon carbide/Viton           |
| Upper Bearing:         | Single raw ball bearing         |
| Lower Bearing:         | Single raw ball bearing         |
| IP Protection:         | IP68                            |
| Motor protection:      | not present                     |
| Humidity sensor:       | not present                     |
| ATEX:                  | not present                     |
| Applied Paint:         | Two component water-based paint |
| Cable Length [m]:      | 10                              |
| Lubricating Oil:       | Q8 WF15                         |
| Oil Quantity [Kg]:     | 0.24                            |

## Materials

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

## Pumped Liquid

|                   |        |
|-------------------|--------|
| Pumped Liquid:    | Sewage |
| Density [Kg/dm³]: | 1.1    |

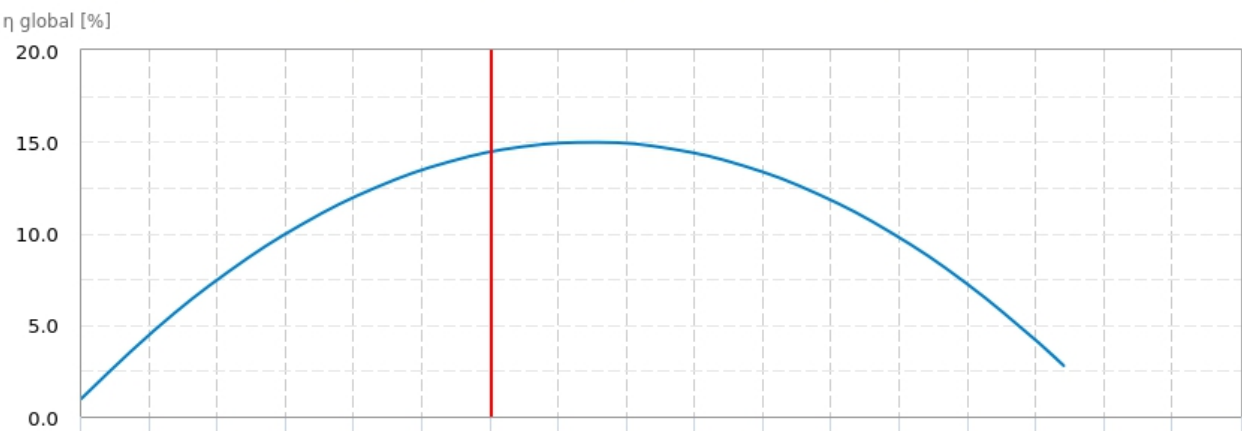
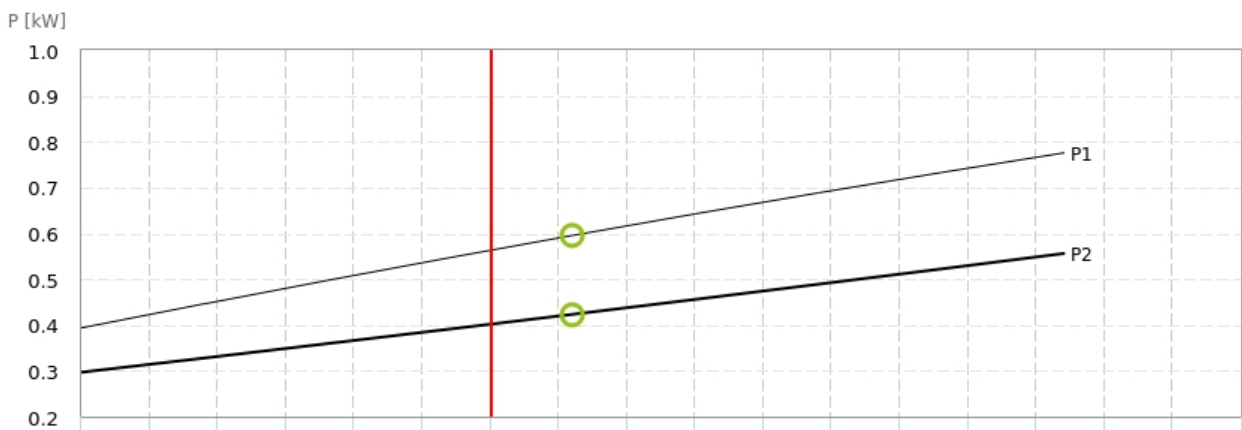
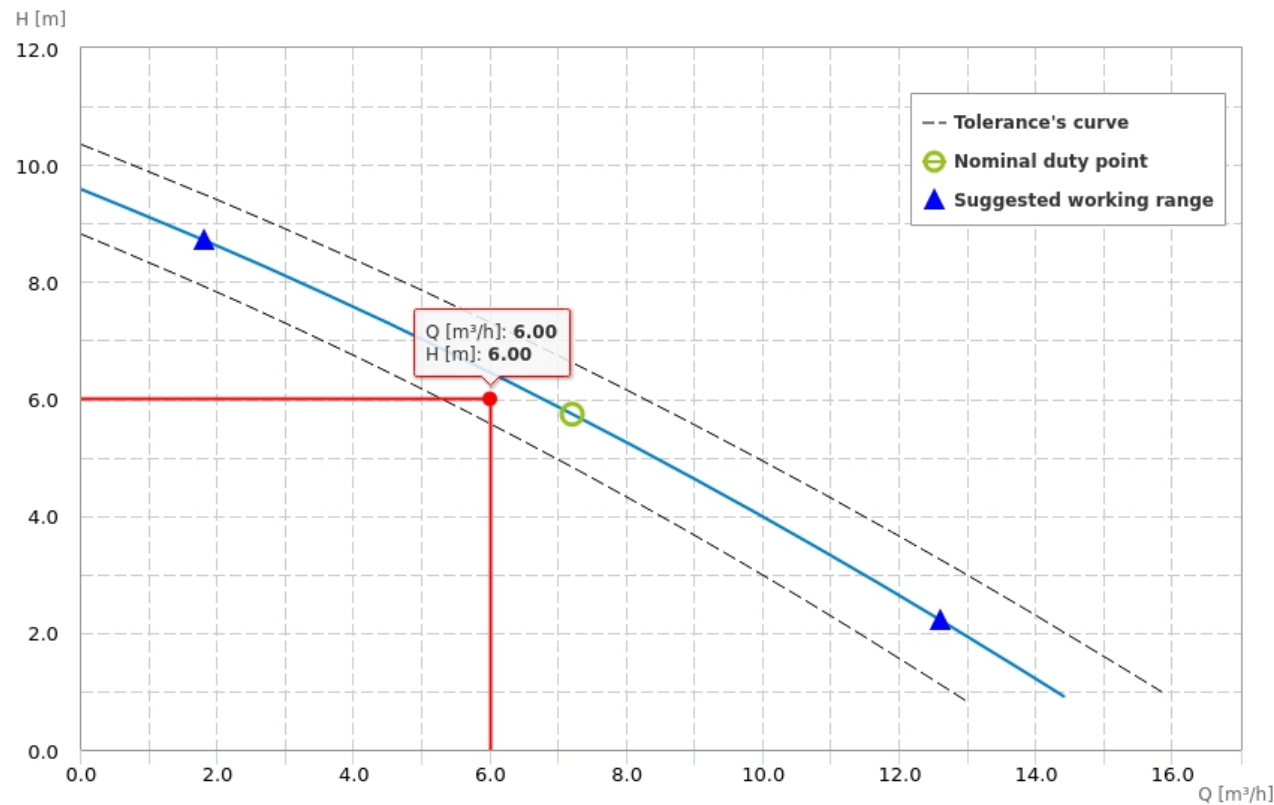


Attention: pictures for illustrative purposes

pH: 2023-10-06  
Temperature Range: 0-40°C

**Installation**

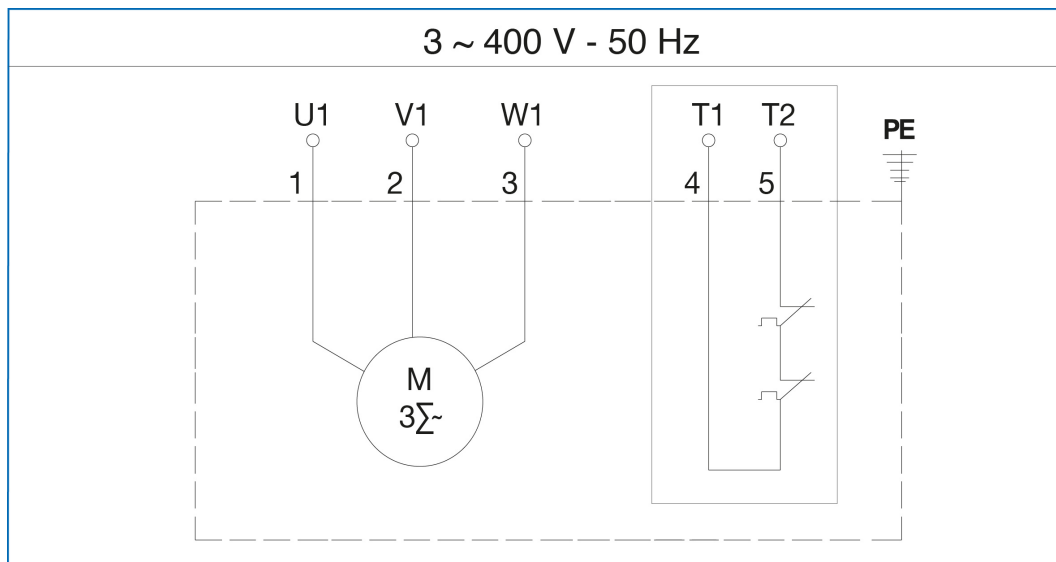
Maximum depth of immersion [m]: 20  
Cooling Type: The cooling of the motor is ensured by the surrounding liquid  
Installation:  
Floating on board machine: not present



## Motor

|                                       |            |
|---------------------------------------|------------|
| Motor code:                           | 3520140215 |
| Power P1 [kW]:                        | 0.78       |
| Power P2 [kW]:                        | 0.56       |
| Phases:                               | 3          |
| Frequency [Hz]:                       | 50         |
| Tension [V]:                          | 400        |
| Nominal current [A]:                  | 1.8        |
| Starting current [%]:                 | 458.0      |
| Power Factor:                         | 0.58       |
| R.P.M.:                               | 2850       |
| Starting:                             | D.O.L      |
| Capacitor [μF]:                       | 0.0        |
| Insulation Class:                     | F 155°C    |
| Service type:                         | S2         |
| Max Efficiency [%]:                   | 72.20      |
| Max Efficiency at full load [%]:      | 64.9       |
| Efficiency at $\frac{3}{4}$ load [%]: | 61.9       |
| Efficiency at $\frac{1}{2}$ load [%]: | 61.9       |
| Efficiency class:                     | -          |

## Wiring diagrams



**Dimensions drawing**

