

**General Data**

|   |                |
|---|----------------|
| Model:  | COMPATTA 4 M/G |
| Code:   | 2000030        |
| Series:   | Compatta       |
| Weight [Kg]                                       | 21.00          |
| Submersible pump for sewage with suspended solids |                |

**Hydraulic**

|                           |                 |
|---------------------------|-----------------|
| Impeller Type:            | Vortex Impeller |
| Delivery DN [mm]:         | G 2"            |
| Input DN [mm]:            | 50              |
| Free Passage [mm]:        | 50              |
| Impeller Ø [mm]:          | 113             |
| Max Pump Efficiency [%]:  | 30.10           |
| Global Efficiency [%]:    | 22.6            |
| Head [m]:                 | 8.34            |
| Flow [m <sup>3</sup> /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:                  | not present                     |
| Applied Paint:         | Two component water-based paint |
| Cable Length [m]:      | 10                              |
| Lubricating Oil:       | -                               |
| Oil Quantity [Kg]:     | -                               |

**Materials**

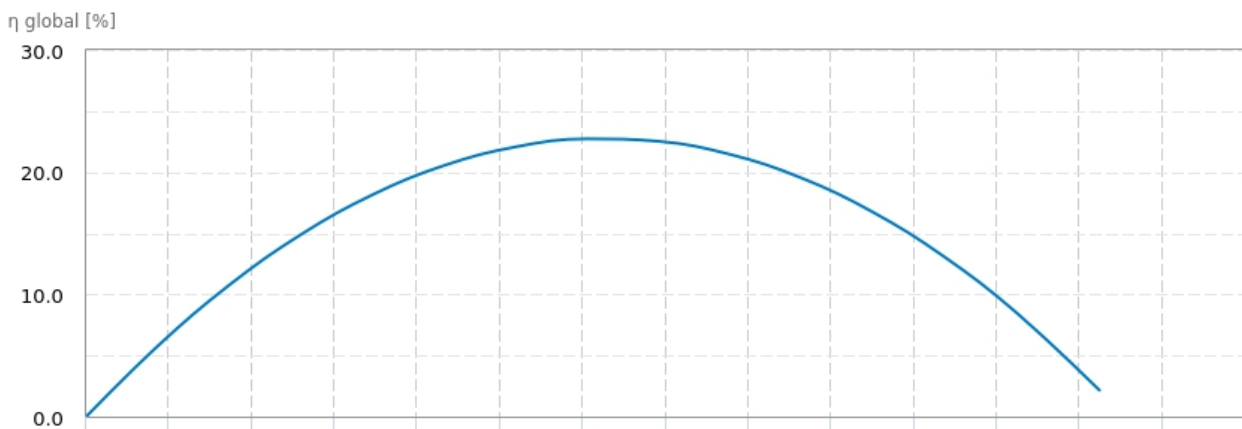
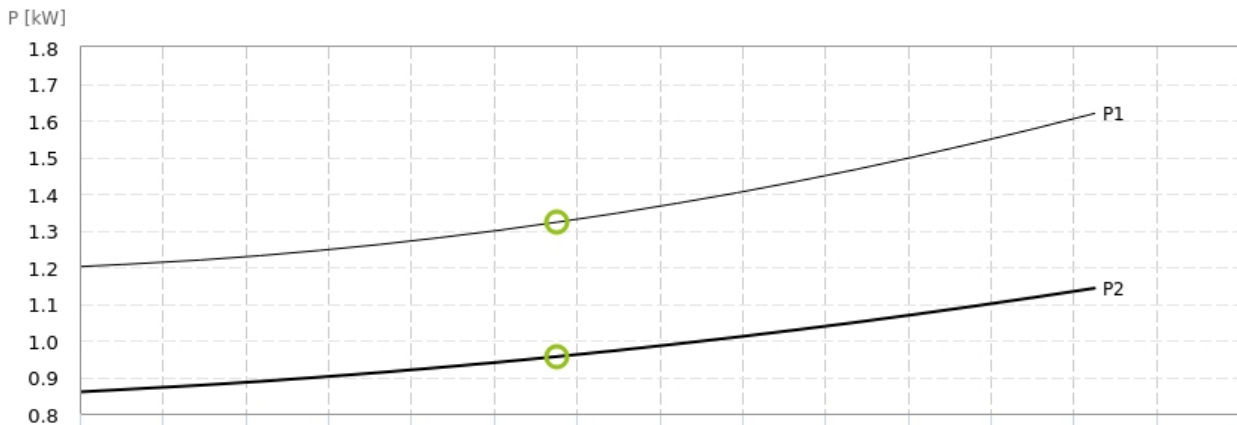
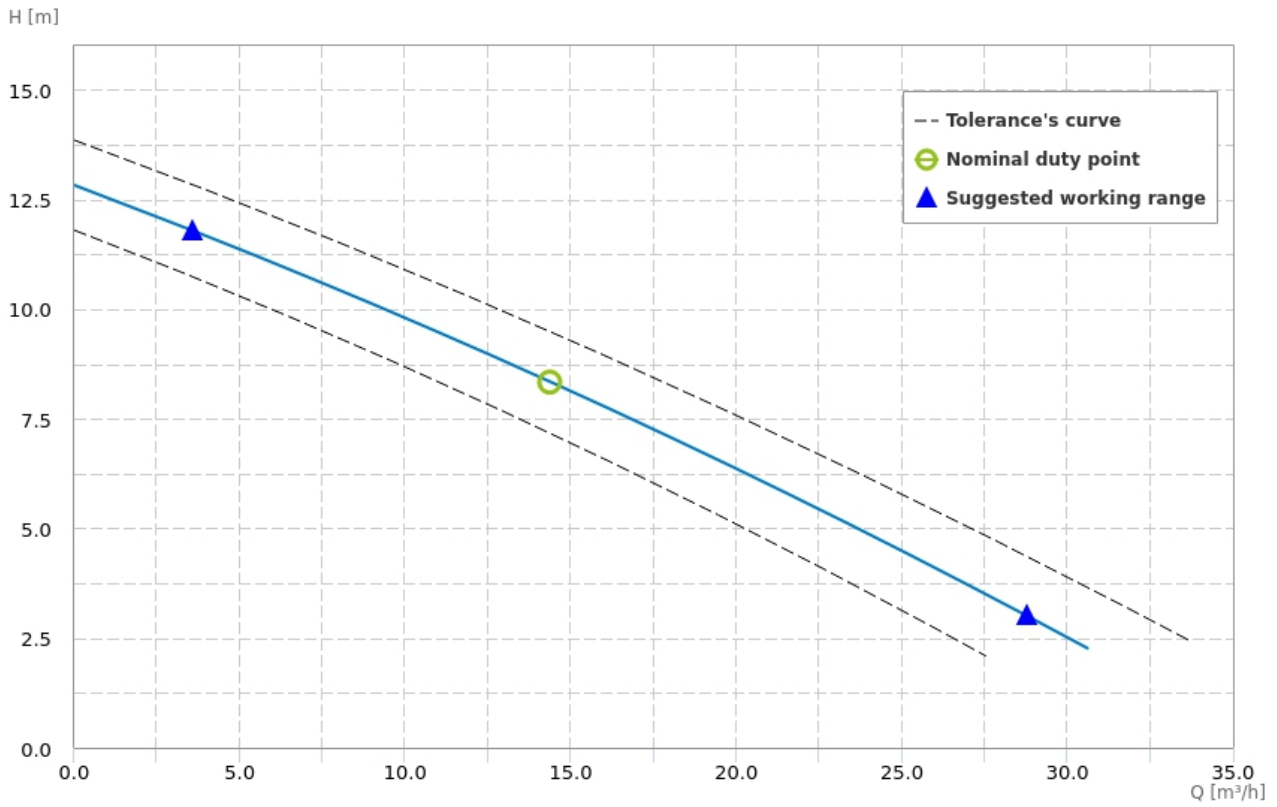
|                 |                              |
|-----------------|------------------------------|
| Pump:           | Cast Iron EN 1561 EN-GJL-200 |
| Impeller:       | Cast iron EN 1561 EN-GJL-200 |
| Motor shaft:    | Stainless steel AISI 420     |
| Cooling Jacket: | Not available            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

**Pumped Liquid**

|                                |        |
|--------------------------------|--------|
| Pumped Liquid:                 | Sewage |
| Density [Kg/dm <sup>3</sup> ]: | 1.1    |
| pH:                            | 6-10   |
| Temperature Range:             | 0-40°C |

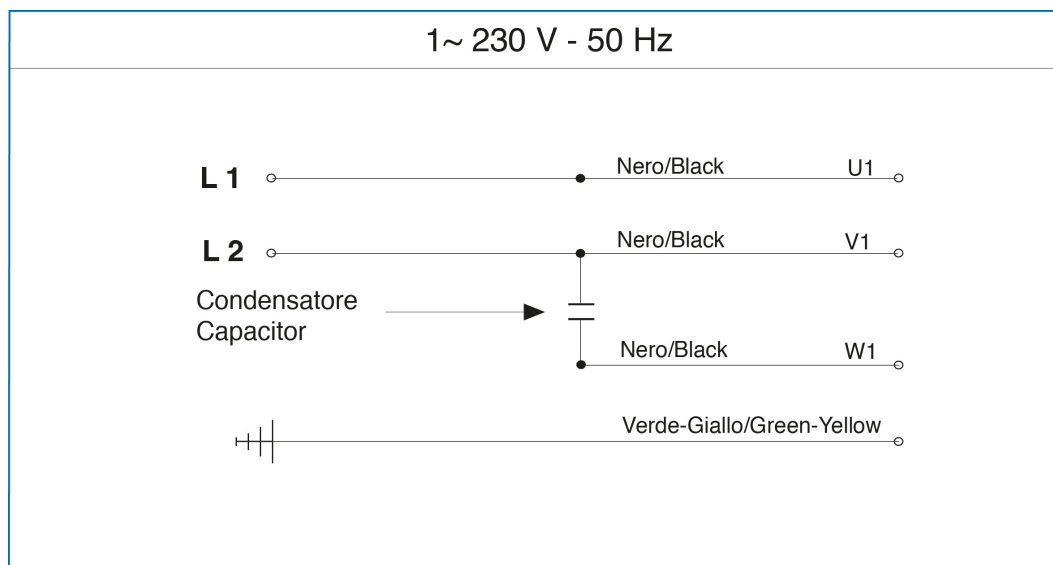
**Installation**

|                                 |   |
|---------------------------------|---|
| Maximum depth of immersion [m]: | 20  |
| Cooling Type:                   | The cooling of the motor is ensured by the surrounding liquid |
| Installation:                   | Vertical/Horizontal   |
| Floating on board machine:      | present   |



**Motor**

|                                       |            |
|---------------------------------------|------------|
| Motor code:                           | 3520160210 |
| Power P1 [kW]:                        | 1.60       |
| Power P2 [kW]:                        | 1.10       |
| Phases:                               | 1          |
| Frequency [Hz]:                       | 50         |
| Tension [V]:                          | 230        |
| Nominal current [A]:                  | 7.6        |
| Starting current [%]:                 | 308.0      |
| Power Factor:                         | 0.94       |
| R.P.M.:                               | 2850       |
| Starting:                             | D.O.L      |
| Capacitor [ $\mu$ F]:                 | 30.0       |
| Insulation Class:                     | F 155°C    |
| Service type:                         | S2         |
| Max Efficiency [%]:                   | 74.80      |
| Max Efficiency at full load [%]:      | 73.1       |
| Efficiency at $\frac{3}{4}$ load [%]: | 73.5       |
| Efficiency at $\frac{1}{2}$ load [%]: | 74.3       |
| Efficiency class:                     | -          |

**Wiring diagrams**

### Dimensions drawing

