

**General Data**

|                                      |             |
|--------------------------------------|-------------|
| Model:                               | K420.2.80 C |
| Code:                                | 2001632     |
| Series:                              | KAPPA       |
| Weight [Kg]                          | 37.00       |
| Contractor drainage submersible pump |             |

**Hydraulic**

|                          |              |
|--------------------------|--------------|
| Impeller Type:           | -            |
| Delivery DN [mm]:        | 3" Filettata |
| Input DN [mm]:           | -            |
| Free Passage [mm]:       | 8x22mm       |
| Impeller Ø [mm]:         | -            |
| Max Pump Efficiency [%]: | 0.0          |
| Global Efficiency [%]:   | 9.52         |
| Head [m]:                | 14.16        |
| Flow [m³/h]:             | 57.60        |

*Tolerance according to ISO 9906:2012 3B2*

**Features**

|                        |   |
|------------------------|---|
| Upper Meccanical seal: | ND Tenuta_Meccanica_Sup                                   |
| Lower Meccanical Seal: | ND Tenuta_Meccanica_Inf                                   |
| Upper Bearing:         | ND Cuscinetto_Sup   |
| Lower Bearing:         | ND Cuscinetto_Inf   |
| IP Protection:         | ND Classe_Protezione                                      |
| Motor protection:      | present   |
| Humidity sensor:       | present   |
| ATEX:                  | II 2G Ex db IIB T4 Gb - Ex h IIB T4 Gb 0°C <= Ta <= +40°C |
| Applied Paint:         | ND Vernice_Applicata                                      |
| Cable Length [m]:      | ND Lunghezza_Cavo   |
| Lubricating Oil:       | Q8 WF15   |
| Oil Quantity [Kg]:     | 0.60  |

**Materials**

|                 |                       |
|-----------------|-----------------------|
| Pump:           | -                     |
| Impeller:       | -                     |
| Motor shaft:    | -                     |
| Cooling Jacket: | Stainless steel       |
| Screw:          | Stainless steel A2-70 |
| Cable:          | ND Tipo_Cavo          |

**Pumped Liquid**

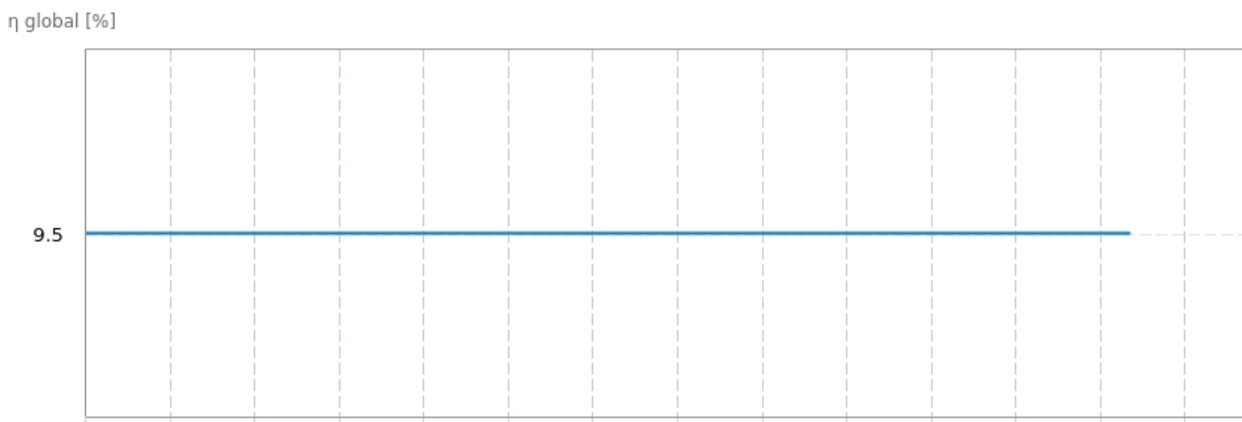
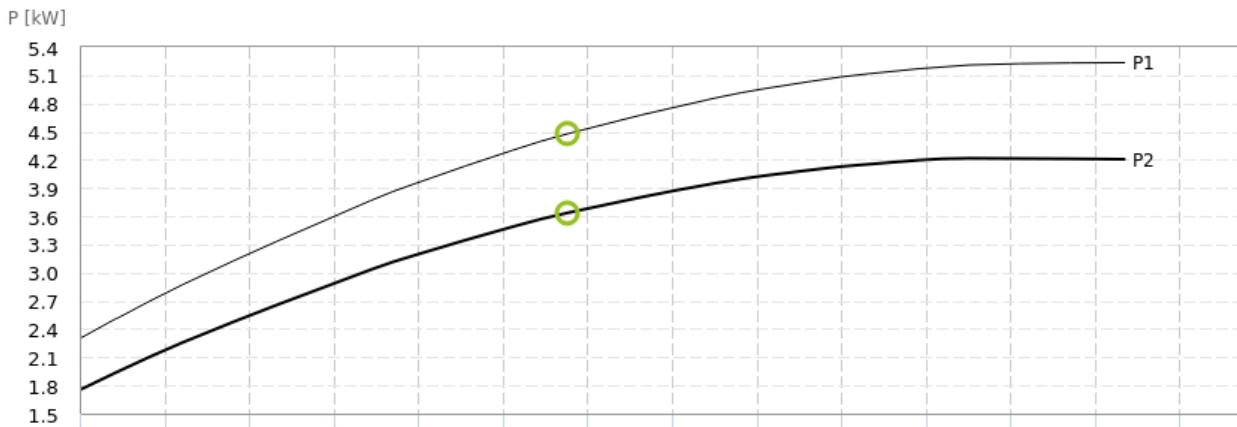
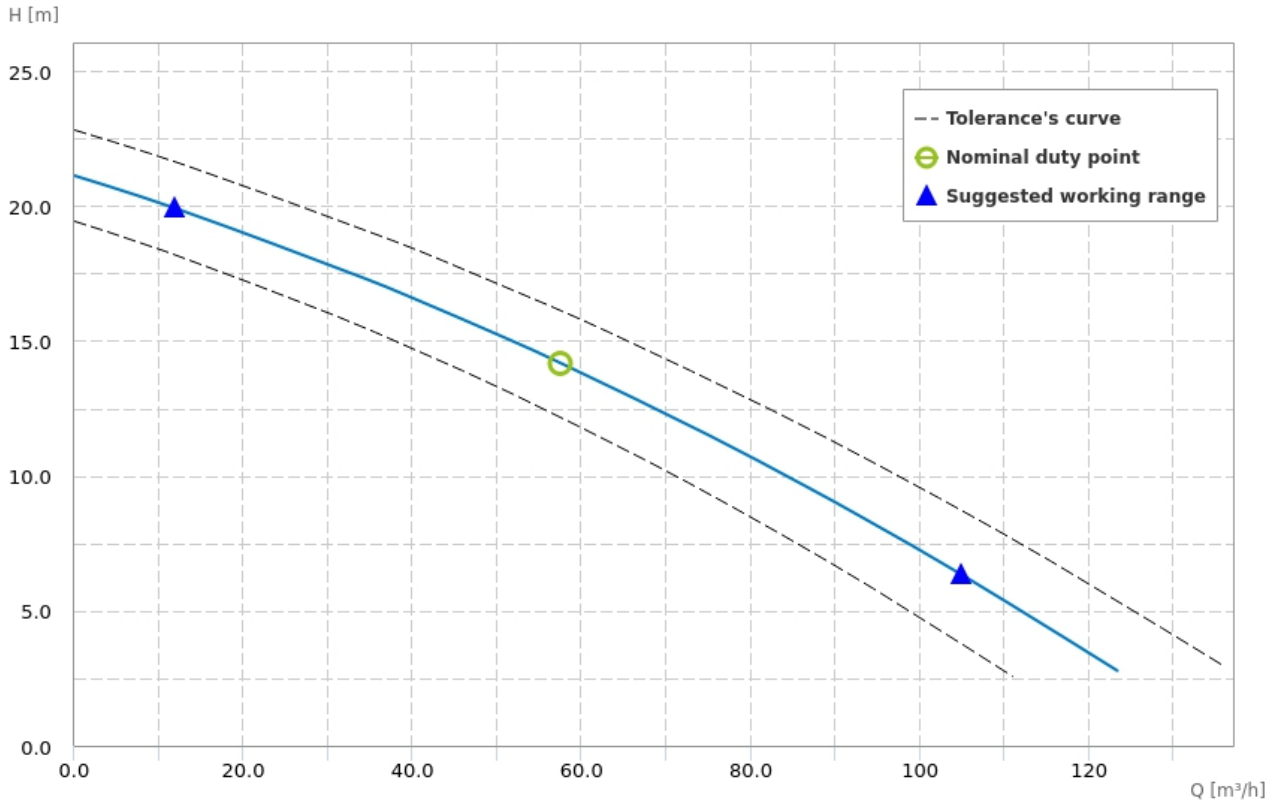
|                    |                                 |
|--------------------|---------------------------------|
| Pumped Liquid:     | Liquids with abrasive particles |
| Density [Kg/dm³]:  | 1.1                             |
| pH:                | 2023-10-06                      |
| Temperature Range: | 0-40°C                          |

**Installation**

|                                 |                |
|---------------------------------|----------------|
| Maximum depth of immersion [m]: | 20             |
| Cooling Type:                   | Cooling Jacket |
| Installation:                   |                |
| Floating on board machine:      | not present    |



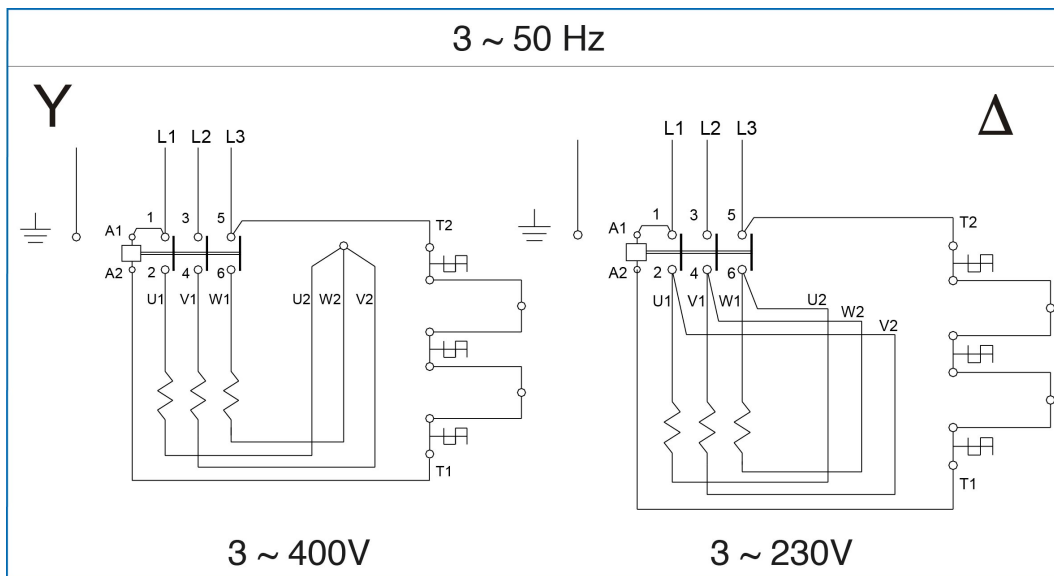
Attention: pictures for illustrative purposes



**Motor**

|                                       |            |
|---------------------------------------|------------|
| Motor code:                           | 3520620220 |
| Power P1 [kW]:                        | 5.20       |
| Power P2 [kW]:                        | 4.20       |
| Phases:                               | 3          |
| Frequency [Hz]:                       | 50         |
| Tension [V]:                          | 400        |
| Nominal current [A]:                  | 8.9        |
| Starting current [%]:                 | 544.0      |
| Power Factor:                         | 0.85       |
| R.P.M.:                               | 2850       |
| Starting:                             | D.O.L      |
| Capacitor [ $\mu$ F]:                 | 0.0        |
| Insulation Class:                     | F 155°C    |
| Service type:                         | S2         |
| Max Efficiency [%]:                   | 79.00      |
| Max Efficiency at full load [%]:      | 89.6       |
| Efficiency at $\frac{3}{4}$ load [%]: | 89.4       |
| Efficiency at $\frac{1}{2}$ load [%]: | 89.2       |
| Efficiency class:                     | IE2        |

**Wiring diagrams**



Dimensions drawing

