

General Data

| | |
|---|----------------|
| Model: | DNA 80-2/110 T |
| Code: | 2000915 |
| Series: | DNA |
| Weight [Kg] | 32.00 |
| Submersible pump for sewage with suspended solids | |

Hydraulic

| | |
|--------------------------|-----------------|
| Impeller Type: | Vortex Impeller |
| Delivery DN [mm]: | DN80 PN16 |
| Input DN [mm]: | 80 |
| Free Passage [mm]: | 80 |
| Impeller Ø [mm]: | 118 |
| Max Pump Efficiency [%]: | 24.40 |
| Global Efficiency [%]: | 19.56 |
| Head [m]: | 2.77 |
| Flow [m³/h]: | 36.00 |

Tolerance according to ISO 9906:2012 3B2



Attention: pictures for illustrative purposes

Features

| | |
|------------------------|---------------------------------|
| Upper Meccanical seal: | CA/CE/Viton |
| Lower Meccanical Seal: | SIC/SIC/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: | Q8 WF15 |
| Oil Quantity [Kg]: | 0.24 |

Materials

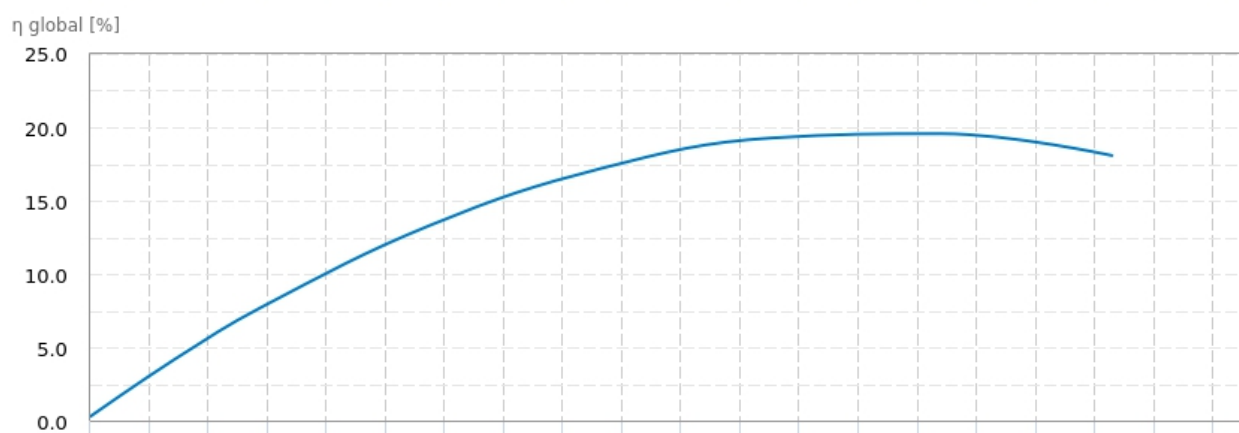
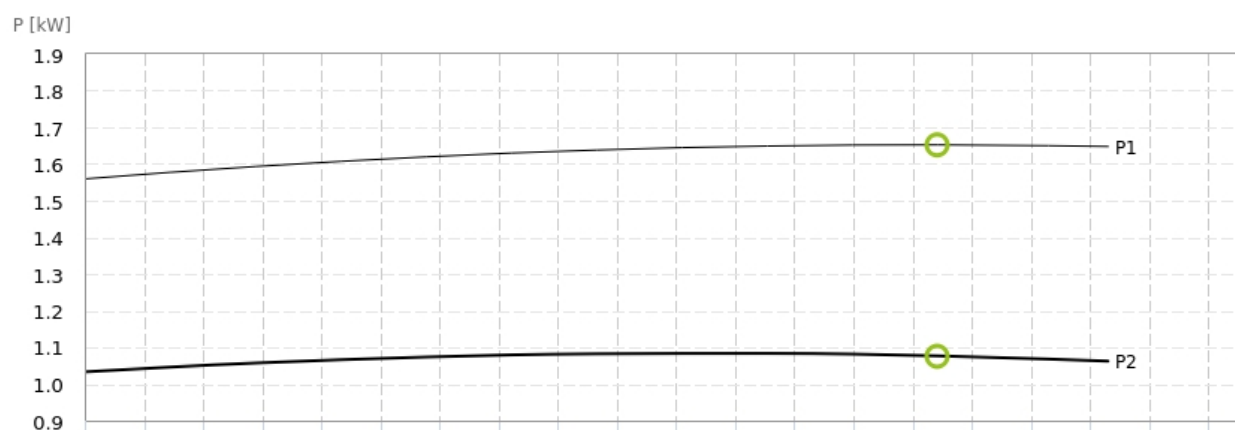
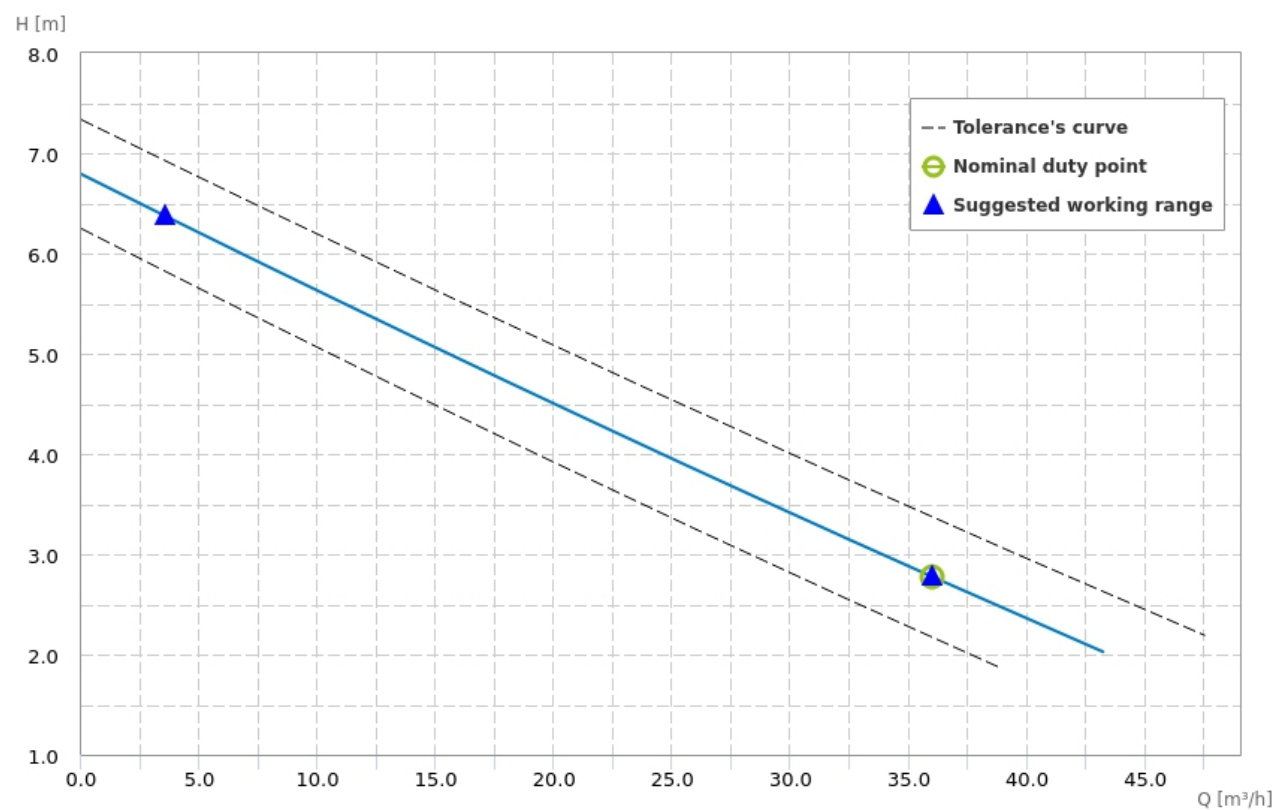
| | |
|-----------------|------------------------------|
| Pump: | Cast Iron EN 1561 EN-GJL-200 |
| Impeller: | Cast iron EN 1561 EN-GJL-200 |
| Motor shaft: | Stainless steel AISI 420 |
| Cooling Jacket: | Not available |
| Screw: | Stainless steel A2-70 |
| Cable: | H07RN8F |

Pumped Liquid

| | |
|--------------------|--------|
| Pumped Liquid: | Sewage |
| Density [Kg/dm³]: | 1.1 |
| pH: | 6-10 |
| Temperature Range: | 0-40°C |

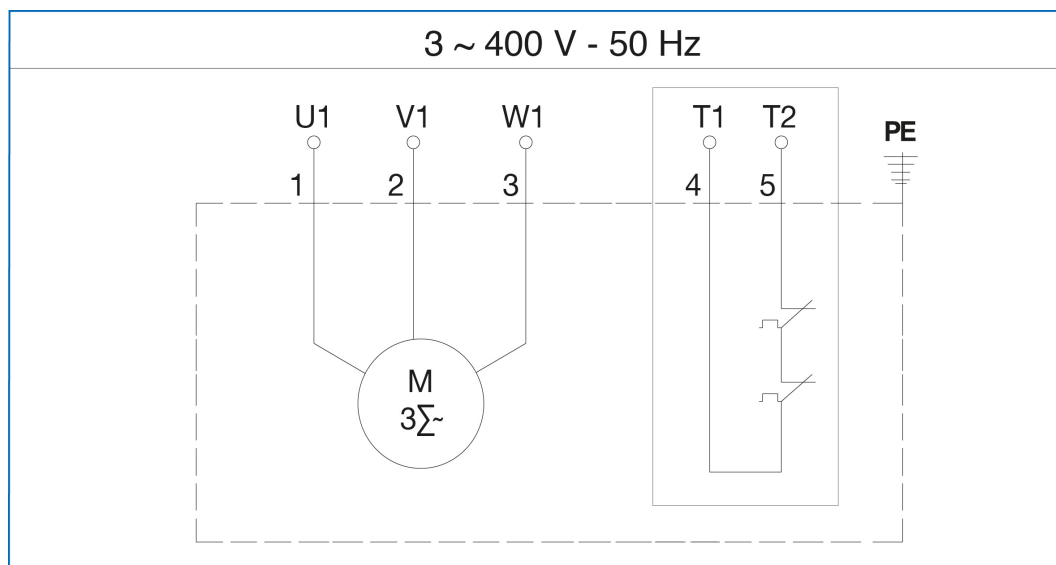
Installation

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



Motor

| | |
|----------------------------------|------------|
| Motor code: | 3520160220 |
| Power P1 [kW]: | 1.60 |
| Power P2 [kW]: | 1.10 |
| Phases: | 3 |
| Frequency [Hz]: | 50 |
| Tension [V]: | 400 |
| Nominal current [A]: | 2.8 |
| Starting current [%]: | 518.0 |
| Power Factor: | 0.84 |
| R.P.M.: | 2850 |
| Starting: | D.O.L |
| Capacitor [μF]: | - |
| Insulation Class: | F 155°C |
| Service type: | S2 |
| Max Efficiency [%]: | 79.70 |
| Max Efficiency at full load [%]: | 78.5 |
| Efficiency at ¾ load [%]: | 79.2 |
| Efficiency at ½ load [%]: | 79.2 |
| Efficiency class: | - |

Wiring diagrams

Dimensions drawing

