

### **General Data**

Model: DNB 80-2/150 T Code: 2001540 Series: DNB Weight [Kg] 32.50 Submersible eletropumps for wastewater including sewage

## **Hydraulic**

Impeller Type: Twin channel S-flow impeller

Delivery DN [mm]: DN80 PN16

 Input DN [mm]:
 80

 Free Passage [mm]:
 70

 Impeller Ø [mm]:
 102

 Max Pump Efficiency [%]:
 48.00

 Global Efficiency [%]:
 38.55

 Head [m]:
 6.84

 Flow [m³/h]:
 36.00

Tollerance 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:

Motor protection:

Humidity sensor:

ATEX:

IP68

not present

not present

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: Light and lightly sewage

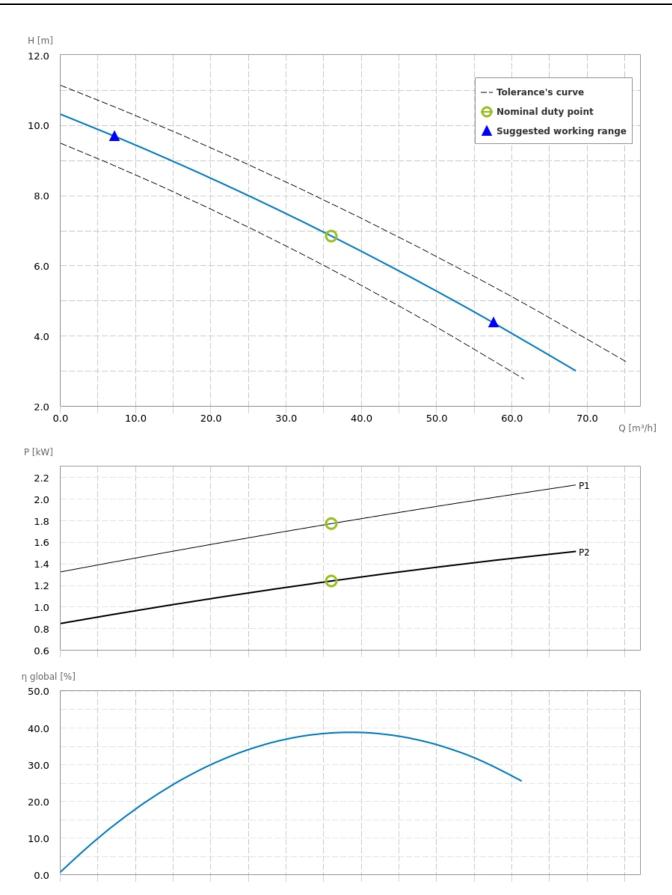
Density [Kg/dm³]: 1.1 pH: 6-10 Temperature Range: 0-40°C

#### 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: vertical not present

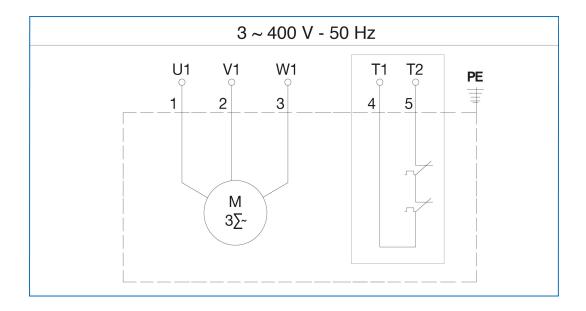




## Motor

3520180235 Motor code: 2.10 Power P1 [kW]: 1.50 Power P2 [kW]: 3 Phases: 50 Frequency [Hz]: 400 Tension [V]: 3.7 Nominal current [A]: 531.0 Starting current [%]: 0.82 Power Factor: 2850 R.P.M.: D.O.L Starting: Capacitor [µF]: F 155°C Insulation Class: S2 Service type: 81.30 Max Efficiency [%]: 80.7 Max Efficiency at full load [%]: 81.2 Efficiency at 3/4 load [%]: 81.3 Efficiency at ½ load [%]: Efficiency class:

# Wiring diagrams





# **Dimensions drawing**

