General Data

Model: AT 100/4/173 C.256

Code: 2000172
Series: A4
Weight [Kg] 108.00
Submersible eletropumps for wastewater including sewage

Hydraulic

Impeller Type: Open Single channel impeller

93.60

Delivery DN [mm]: DN100 PN16

 Input DN [mm]:
 100

 Free Passage [mm]:
 90

 Impeller Ø [mm]:

 Max Pump Efficiency [%]:
 54.50

 Global Efficiency [%]:
 46.27

 Head [m]:
 10.33

Tollerance according to ISO 9906:2012 3B2



Attention: pictures for illustrative purposes

Features

Flow [m³/h]:

Upper Meccanical seal: CA/CE/Viton Lower Meccanical Seal: SIC/SIC/Viton

Upper Bearing: Single raw ball bearing
Lower Bearing: Double raw ball bearing

IP Protection:

Motor protection:

Humidity sensor:

ATEX:

IP68

present

present

not present

Applied Paint: Two component water-based paint

Cable Length [m]: 10
Lubricating Oil: Q8 WF15
Oil Quantity [Kg]: 1.40

Materials

Pump: Cast Iron EN 1561 EN-GJL-250 Impeller: Cast iron EN 1561 EN-GJL-250

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

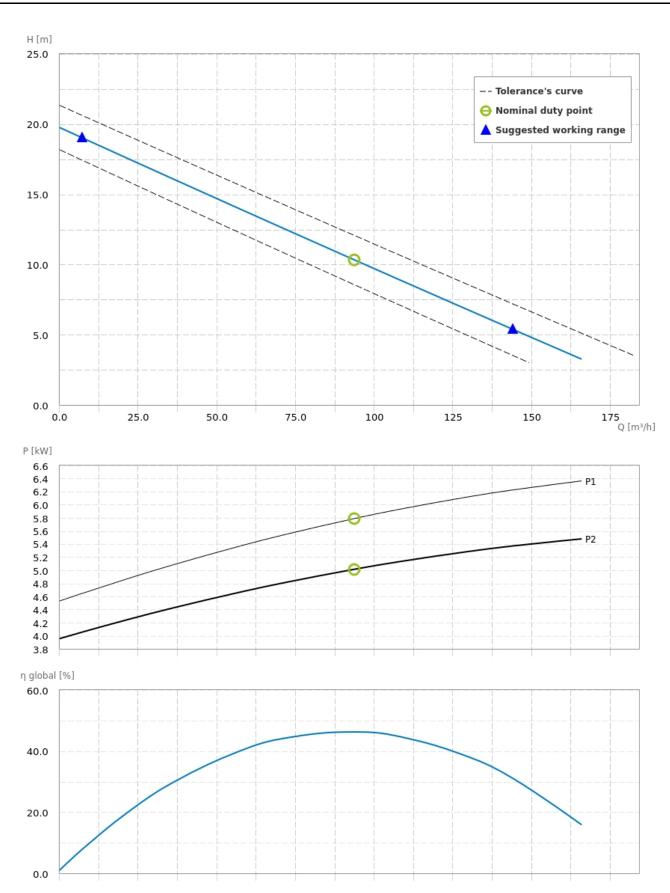
Density [Kg/dm³]: 1.1 pH: 6-10 Temperature Range: 0-40°C

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

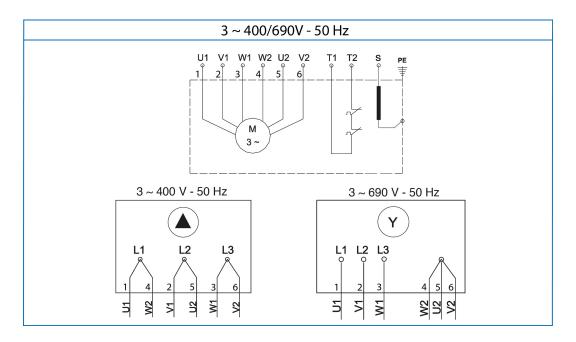




Motor

3520820210 Motor code: 6.40 Power P1 [kW]: 5.50 Power P2 [kW]: 3 Phases: 50 Frequency [Hz]: 400 Tension [V]: 11.5 Nominal current [A]: 573.0 Starting current [%]: 0.80 Power Factor: 1450 R.P.M.: Y-D Starting: Capacitor [µF]: F 155°C Insulation Class: S1 Service type: 85.40 Max Efficiency [%]: 84.6 Max Efficiency at full load [%]: 84.6 Efficiency at 3/4 load [%]: Efficiency at ½ load [%]: 85.0 IE2 Efficiency class:

Wiring diagrams





Dimensions drawing

