

General Data

Model:	AT 100/4/173 C.255
Code:	2000170
Series:	A4
Weight [Kg]	103.00
Submersible eletropumps for wastewater including sewage	

Hydraulic

Impeller Type:	Open Single channel impeller
Delivery DN [mm]:	DN100 PN16
Input DN [mm]:	100
Free Passage [mm]:	90
Impeller Ø [mm]:	-
Max Pump Efficiency [%]:	50.50
Global Efficiency [%]:	43.13
Head [m]:	7.41
Flow [m ³ /h]:	93.60

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:	Double raw ball bearing
IP Protection:	IP68
Motor protection:	present
Humidity sensor:	present
ATEX:	not present
Applied Paint:	Two component water-based paint
Cable Length [m]:	10
Lubricating Oil:	Q8 WF15
Oil Quantity [Kg]:	1.40

Materials

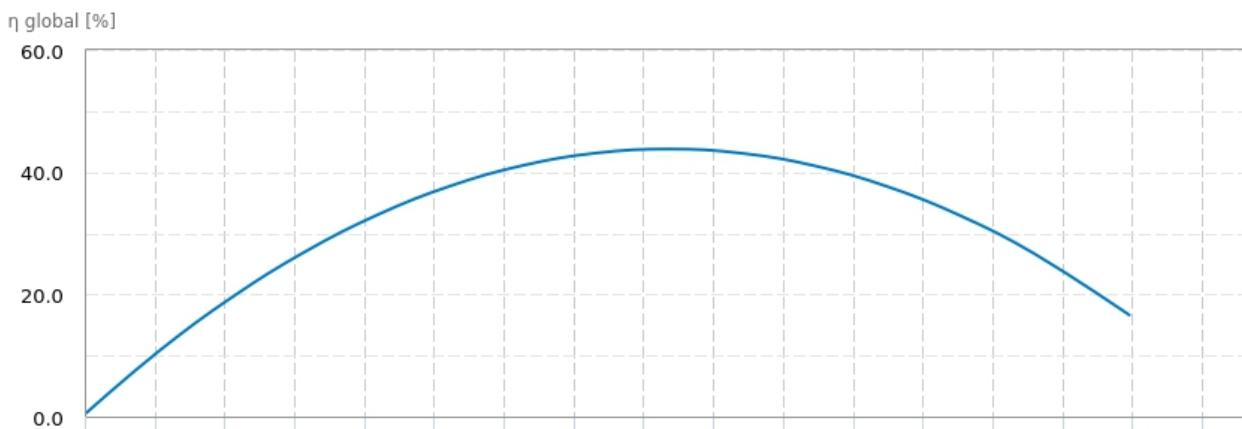
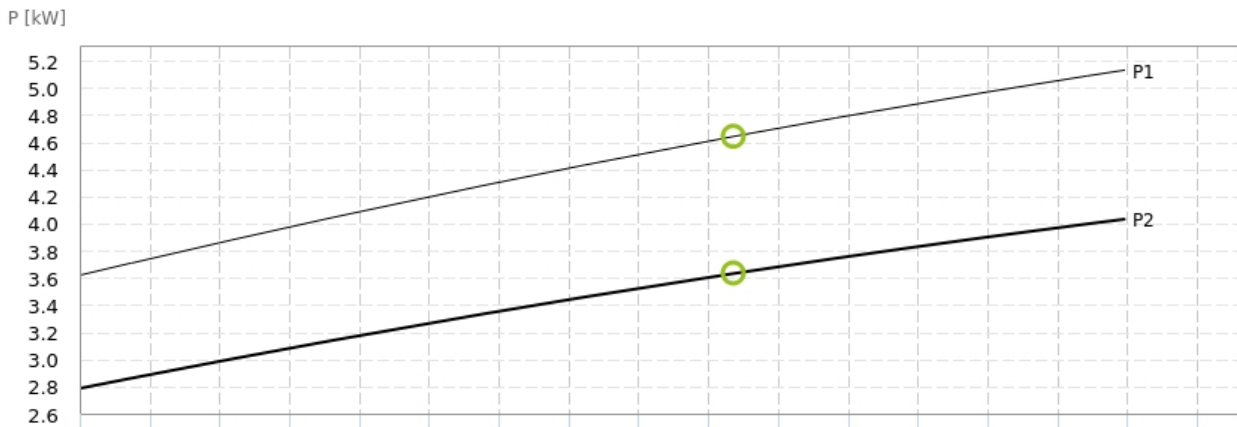
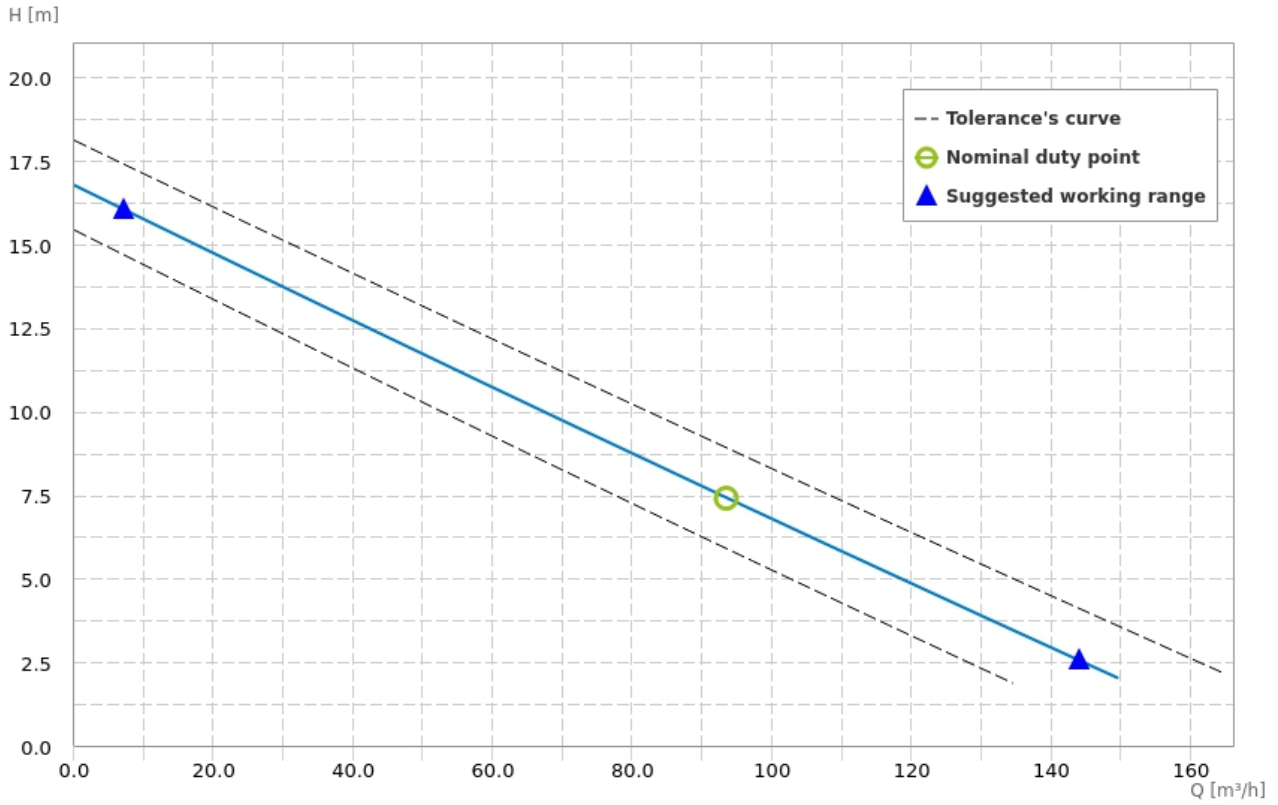
Pump:	Cast Iron EN 1561 EN-GJL-250
Impeller:	Cast iron EN 1561 EN-GJL-250
Motor shaft:	Stainless steel AISI 420
Cooling Jacket:	Not available
Screw:	Stainless steel A2-70
Cable:	H07RN8F

Pumped Liquid

Pumped Liquid:	Light and lightly sewage
Density [Kg/dm ³]:	1.1
pH:	6-10
Temperature Range:	0-40°C

Installation

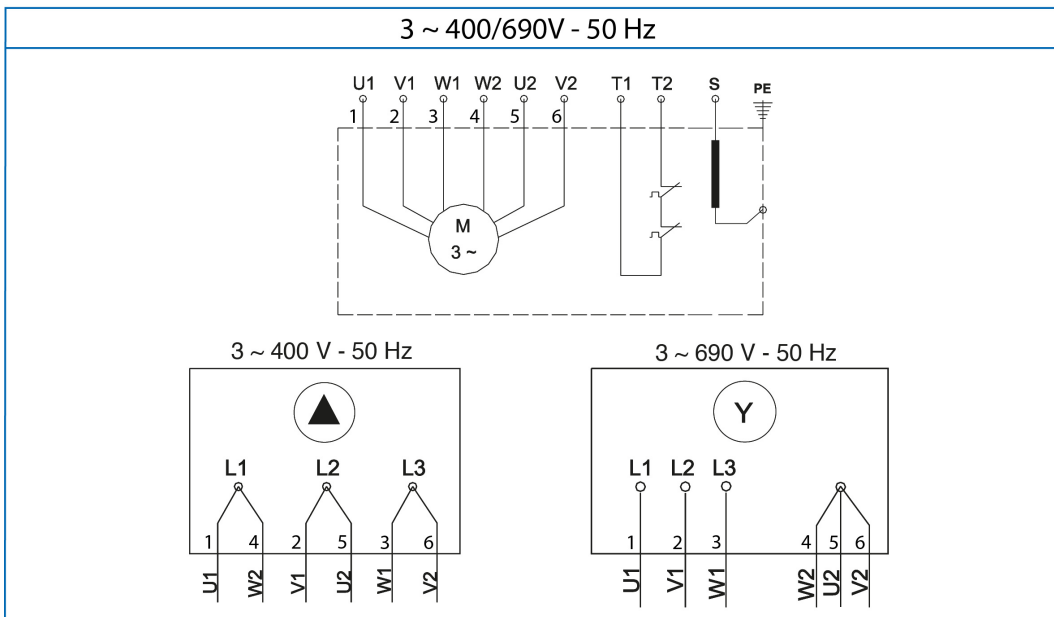
Maximum depth of immersion [m]:	20
Cooling Type:	The cooling of the motor is ensured by the surrounding liquid
Installation:	Vertical
Floating on board machine:	not present



Motor

Motor code:	3520800215
Power P1 [kW]:	5.10
Power P2 [kW]:	4.00
Phases:	3
Frequency [Hz]:	50
Tension [V]:	400
Nominal current [A]:	9.2
Starting current [%]:	555.0
Power Factor:	0.82
R.P.M.:	1450
Starting:	Y-D
Capacitor [μF]:	-
Insulation Class:	F 155°C
Service type:	S1
Max Efficiency [%]:	85.20
Max Efficiency at full load [%]:	84.5
Efficiency at ¾ load [%]:	84.6
Efficiency at ½ load [%]:	84.8
Efficiency class:	IE2

Wiring diagrams



Dimensions drawing

