

## General Data

Model:	AT-EX 150/4/173 C.258
Code:	2000178EX
Series:	A4
Weight [Kg]	133.00
Submersible eletropumps for wastewater including sewage	

## Hydraulic

Impeller Type:	Open Single channel impeller
Delivery DN [mm]:	DN150 PN16
Input DN [mm]:	134
Free Passage [mm]:	100
Impeller Ø [mm]:	-
Max Pump Efficiency [%]:	61.10
Global Efficiency [%]:	51.97
Head [m]:	11.07
Flow [m³/h]:	144.00

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:	Double raw ball bearing
IP Protection:	IP68
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:	Two component water-based paint
Cable Length [m]:	10
Lubricating Oil:	Q8 WF15
Oil Quantity [Kg]:	1.40

## Materials

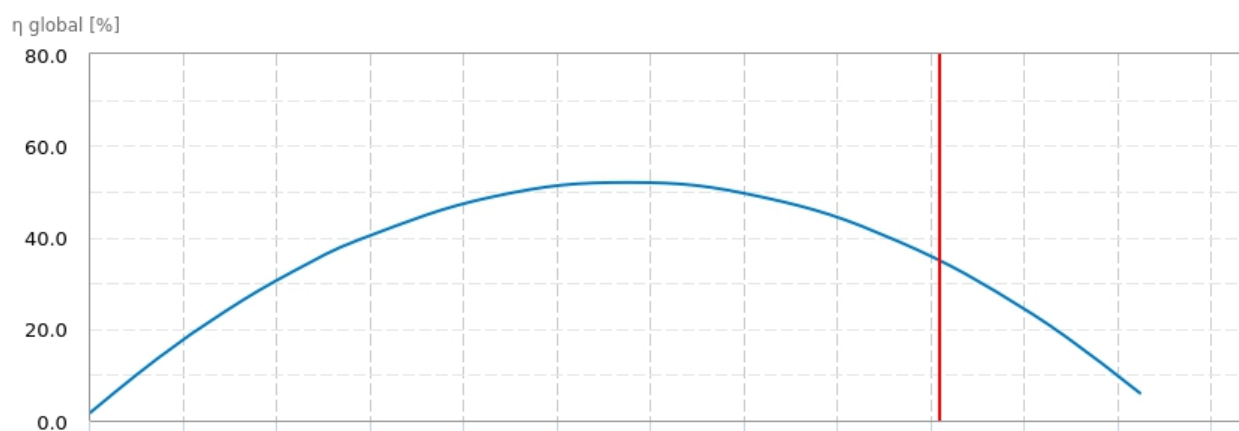
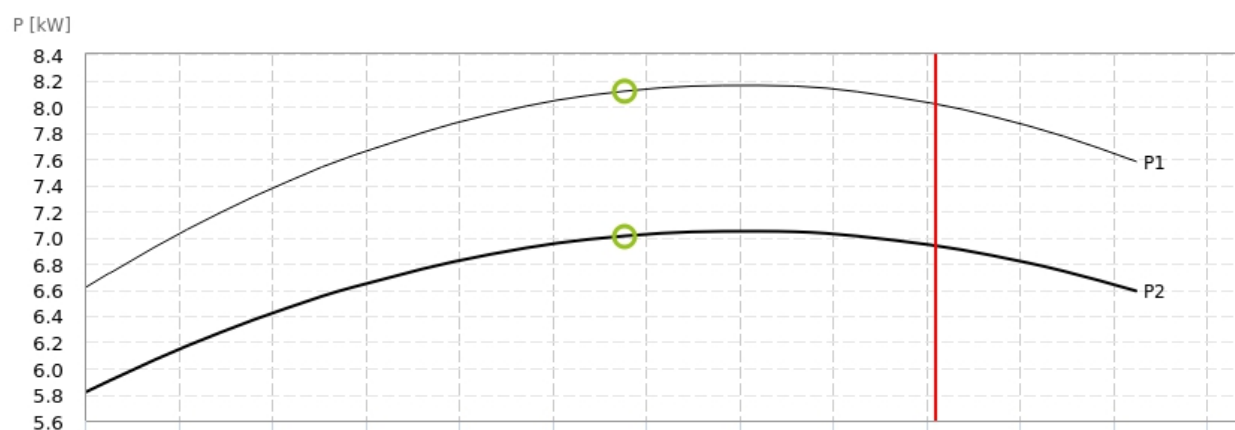
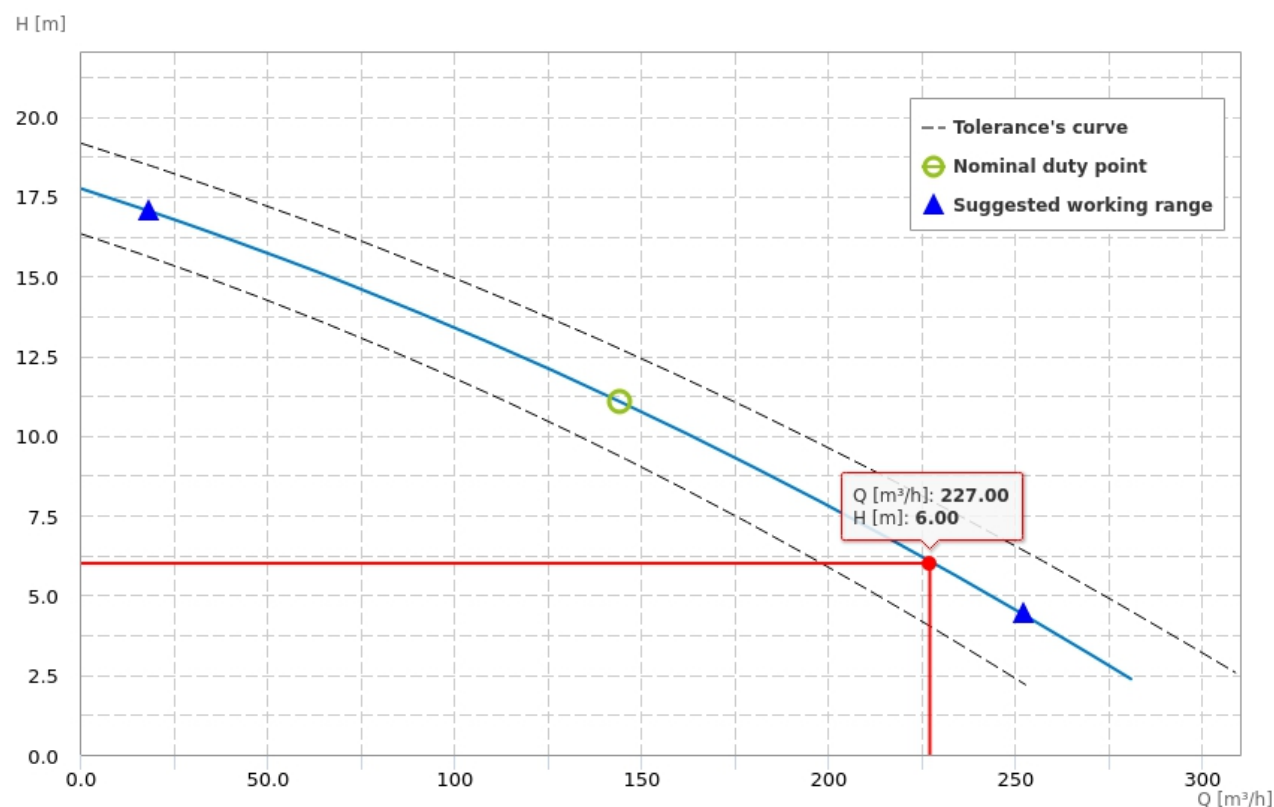
Pump:	Cast Iron EN 1561 EN-GJL-250
Impeller:	Cast iron EN 1561 EN-GJL-250
Motor shaft:	Stainless steel AISI 420
Cooling Jacket:	Not available
Screw:	Stainless steel A2-70
Cable:	NSSHOU-J

## Pumped Liquid

Pumped Liquid:	Light and lightly sewage
Density [Kg/dm³]:	1.1
pH:	6-10
Temperature Range:	0-40°C

## Installation

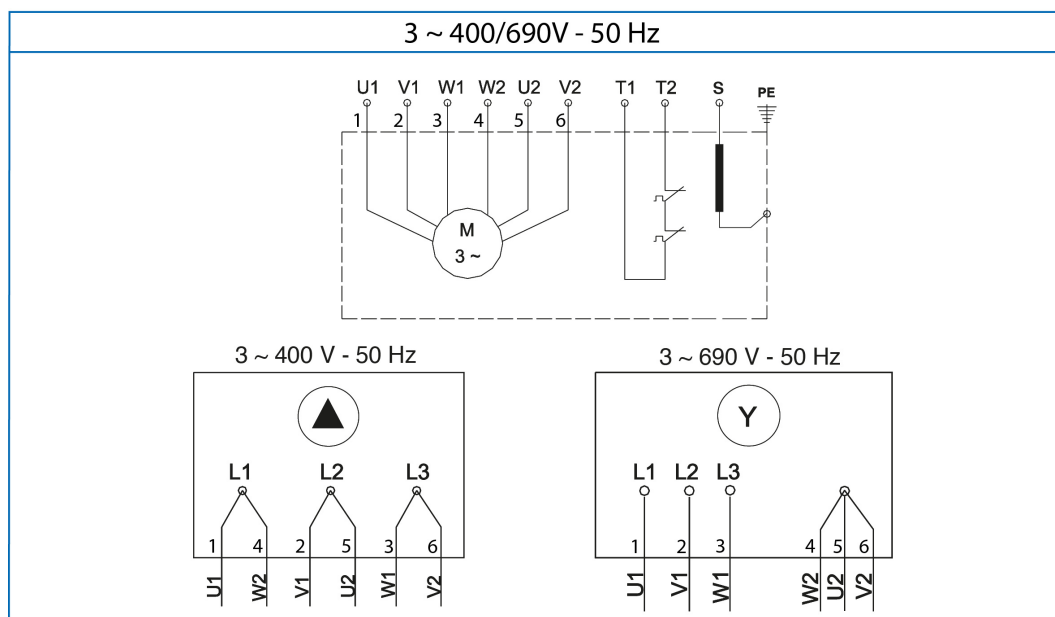
Maximum depth of immersion [m]:	20
Cooling Type:	The cooling of the motor is ensured by the surrounding liquid
Installation:	Vertical
Floating on board machine:	not present



## Motor

Motor code:	3520840215
Power P1 [kW]:	8.20
Power P2 [kW]:	7.00
Phases:	3
Frequency [Hz]:	50
Tension [V]:	400
Nominal current [A]:	14.9
Starting current [%]:	505.0
Power Factor:	0.80
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 [%]:	84.1
Efficiency at ¾ load [%]:	83.8
Efficiency at ½ load [%]:	84.3
Efficiency class:	IE2

## Wiring diagrams



## Dimensions drawing

