

General Data

Model:	VT 100/4/173 C.356
Code:	2000176
Series:	V4
Weight [Kg]	107.00
Submersible pump for sewage with suspended solids	

Hydraulic

Impeller Type:	-
Delivery DN [mm]:	DN100 PN16
Input DN [mm]:	100
Free Passage [mm]:	90
Impeller Ø [mm]:	225
Max Pump Efficiency [%]:	0.0
Global Efficiency [%]:	0.55
Head [m]:	9.98
Flow [m³/h]:	72.00

Tolerance according to ISO 9906:2012 3B2

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:	-
Impeller:	-
Motor shaft:	-
Cooling Jacket:	Not available
Screw:	Stainless steel A2-70
Cable:	H07RN8F

Pumped Liquid

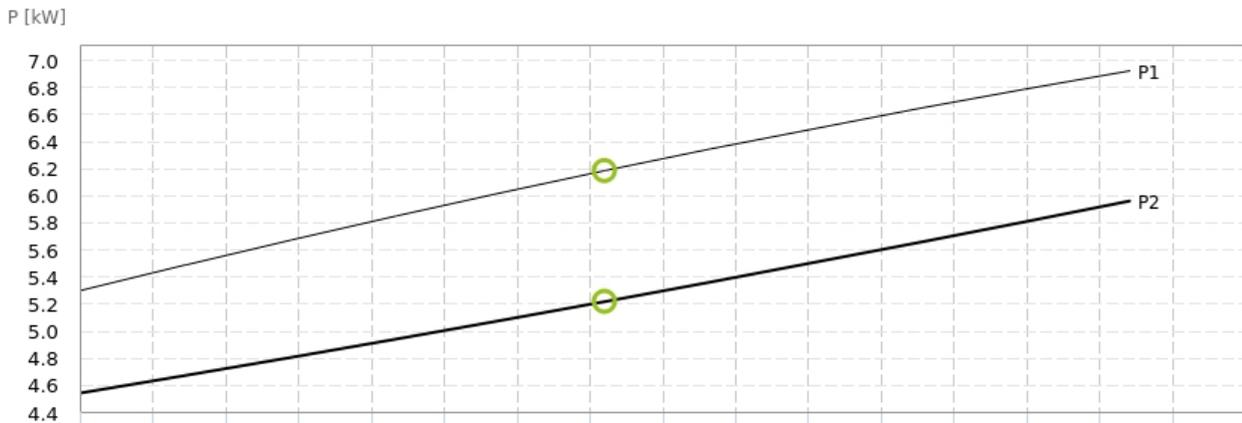
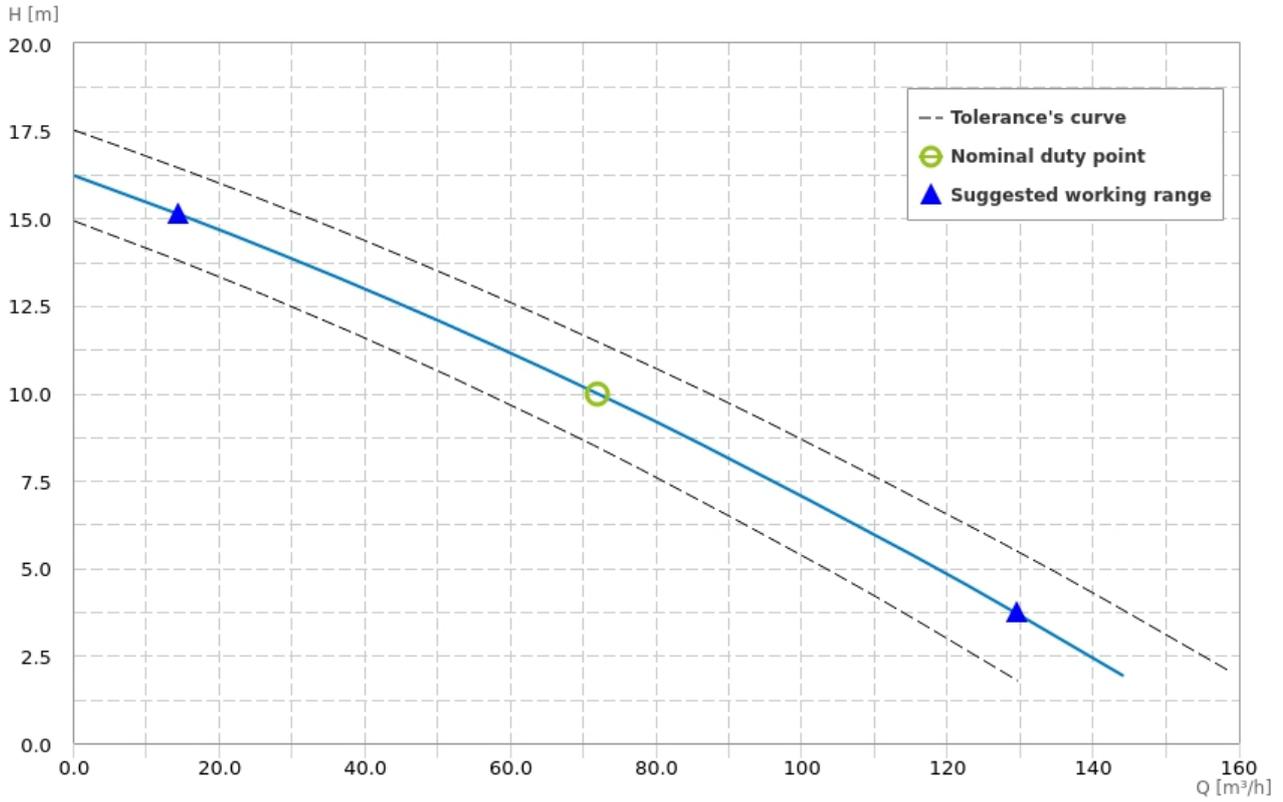
Pumped Liquid:	Sewage
Density [Kg/dm³]:	1.1
pH:	2023-10-06
Temperature Range:	0-40°C

Installation

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



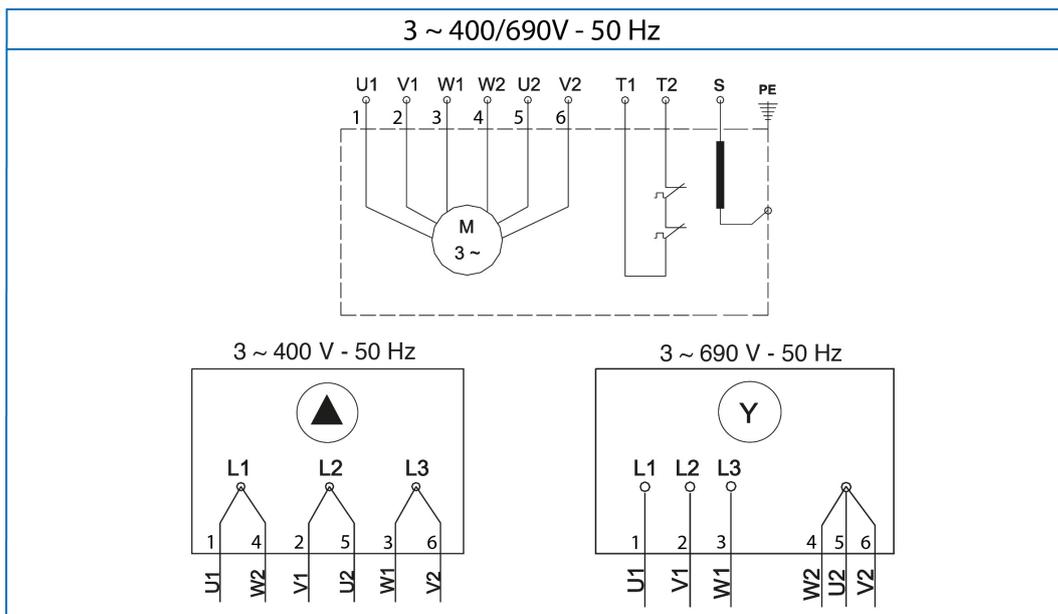
Attention: pictures for illustrative purposes



Motor

Motor code:	3520820210
Power P1 [kW]:	6.90
Power P2 [kW]:	6.00
Phases:	3
Frequency [Hz]:	50
Tension [V]:	400
Nominal current [A]:	12.4
Starting current [%]:	573.0
Power Factor:	0.82
R.P.M.:	1450
Starting:	Y-D
Capacitor [μF]:	0.0
Insulation Class:	F 155°C
Service type:	S1
Max Efficiency [%]:	85.40
Max Efficiency at full load [%]:	84.0
Efficiency at ¾ load [%]:	84.7
Efficiency at ½ load [%]:	84.4
Efficiency class:	IE2

Wiring diagrams



Dimensions drawing

