

**General Data**

Model:	VT 80/4/152 C.345
Code:	2000158
Series:	V4
Weight [Kg]	70.00
Submersible pump for sewage with suspended solids	

**Hydraulic**

Impeller Type:	Vortex Impeller
Delivery DN [mm]:	DN80 PN16
Input DN [mm]:	80
Free Passage [mm]:	80
Impeller Ø [mm]:	207
Max Pump Efficiency [%]:	47.20
Global Efficiency [%]:	40.68
Head [m]:	7.48
Flow [m <sup>3</sup> /h]:	57.60

*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]:	0.75

**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**

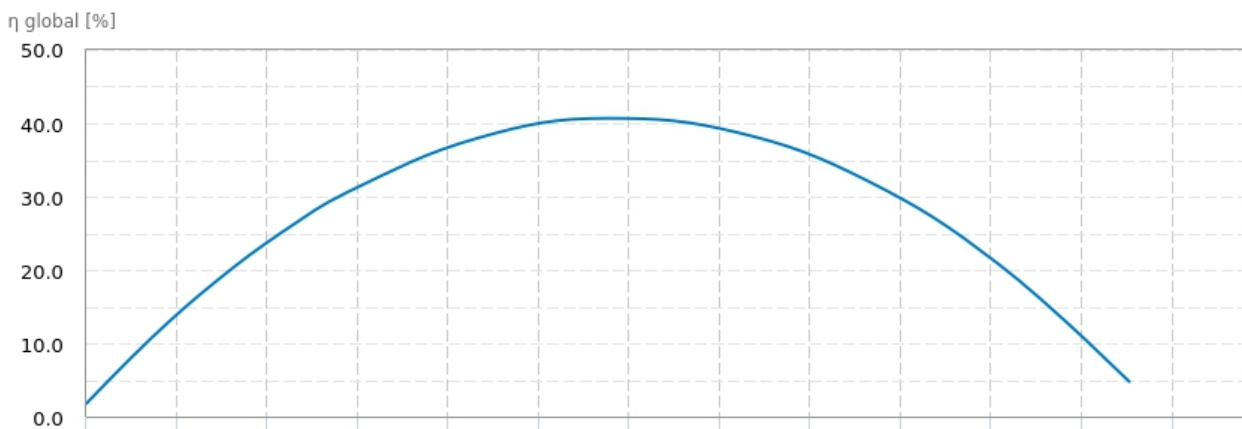
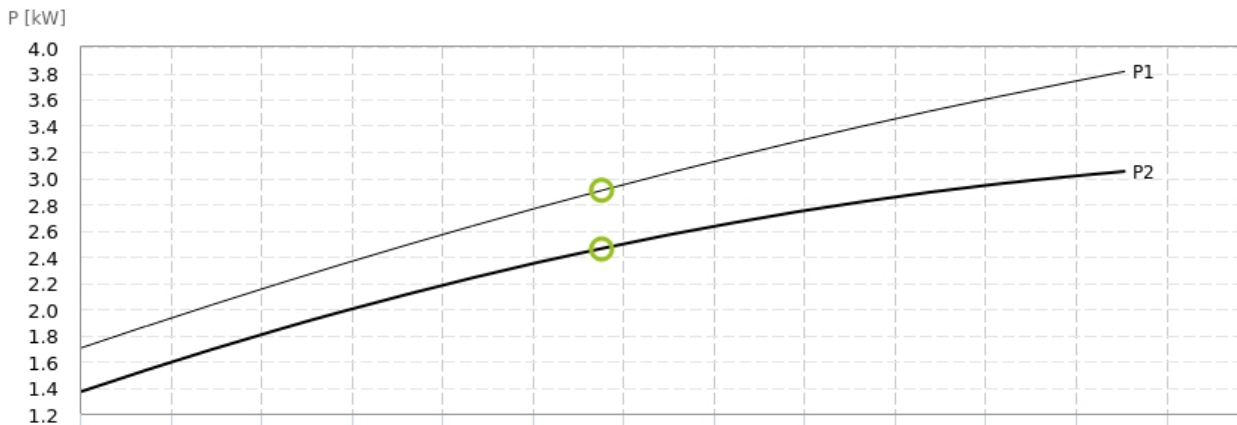
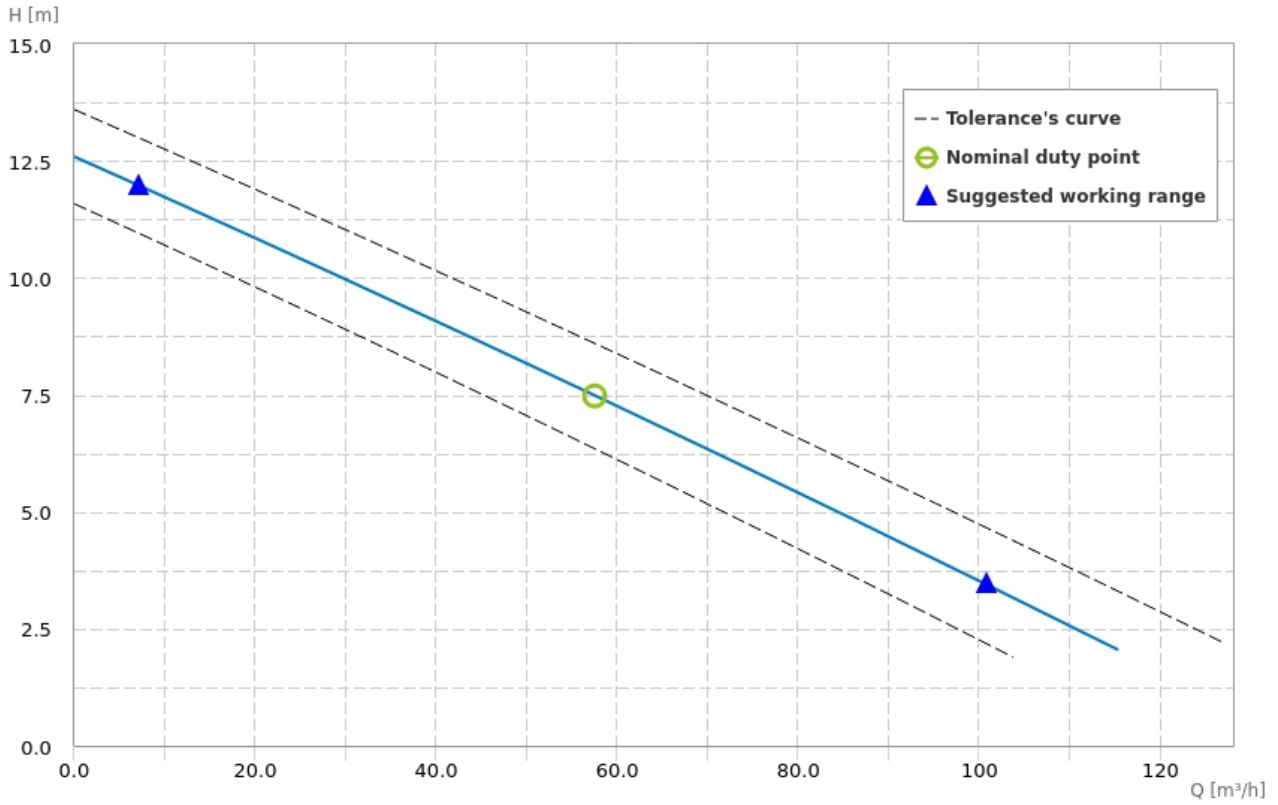
Pumped Liquid:	Sewage
Density [Kg/dm <sup>3</sup> ]:	1.1
pH:	6-10
Temperature Range:	0-40°C

**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

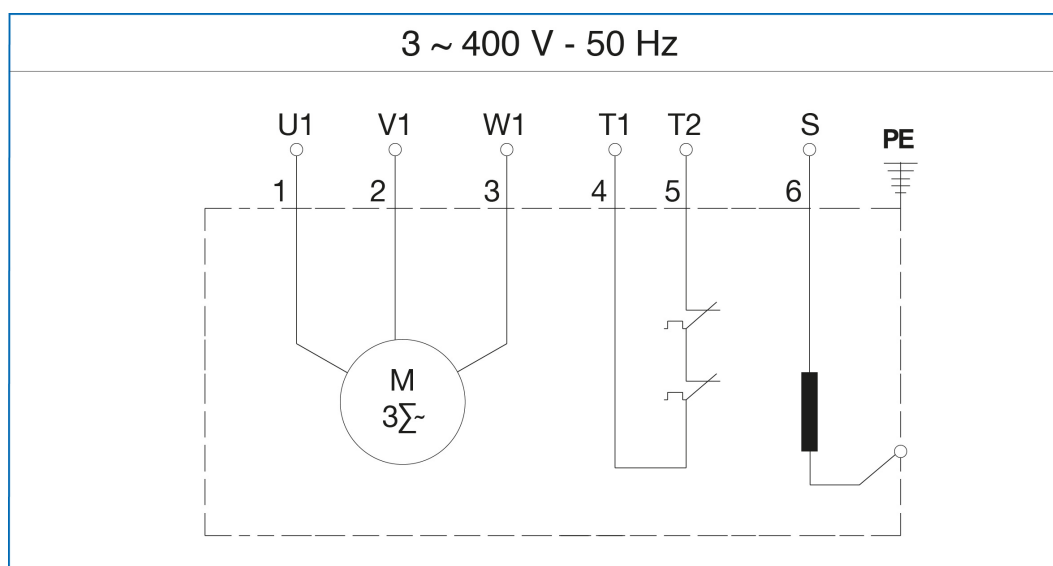


Attention: pictures for illustrative purposes



**Motor**

Motor code:	3520660210
Power P1 [kW]:	3.80
Power P2 [kW]:	3.00
Phases:	3
Frequency [Hz]:	50
Tension [V]:	400
Nominal current [A]:	7.2
Starting current [%]:	543.0
Power Factor:	0.77
R.P.M.:	1450
Starting:	D.O.L
Capacitor [ $\mu$ F]:	-
Insulation Class:	F 155°C
Service type:	S1
Max Efficiency [%]:	84.30
Max Efficiency at full load [%]:	83.8
Efficiency at $\frac{3}{4}$ load [%]:	84.3
Efficiency at $\frac{1}{2}$ load [%]:	84.2
Efficiency class:	IE2

**Wiring diagrams**

Dimensions drawing

