Attention: pictures for illustrative purposes

General Data

Model:	VT 65/2/125 C.336
Code:	2000108
Series:	V2
Weight [Kg]	41.50

Submersible pump for sewage with suspended solids

Hydraulic

Impeller Type:	Vortex Impeller
Delivery DN [mm]:	DN65 PN10
Input DN [mm]:	65
Free Passage [mm]:	50
Impeller Ø [mm]:	148
Max Pump Efficiency [%]:	21.20
Global Efficiency [%]:	16.68
Head [m]:	5.93
Flow [m³/h]:	28.80

Tollerance 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]:	0.60

Materials

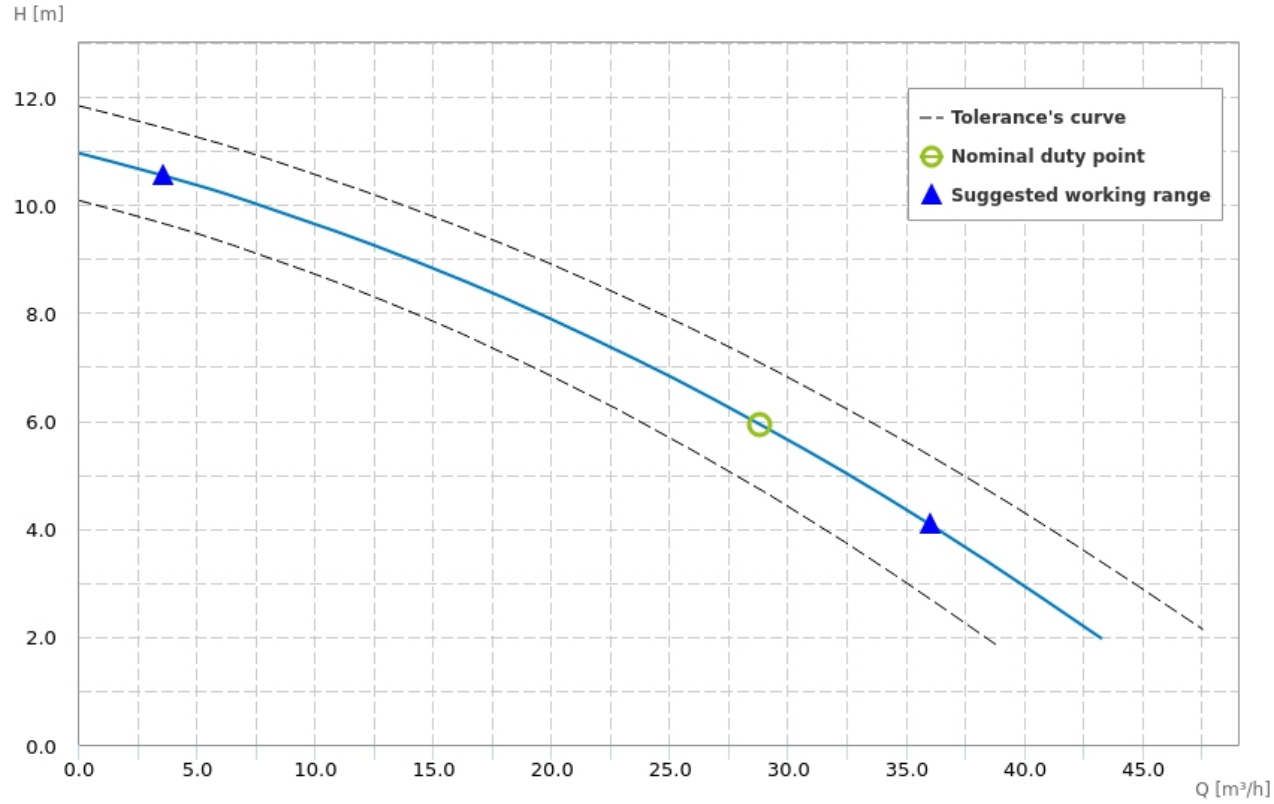
Pump:	Cast Iron EN 1561 EN-GJL-250
Impeller:	Cast iron EN 1561 EN-GJL-250
Motor shaft:	Stainless steel AISI 420
Cooling Jacket:	Not available
Screw:	Stainless steel A2-70
Cable:	H07RN8F

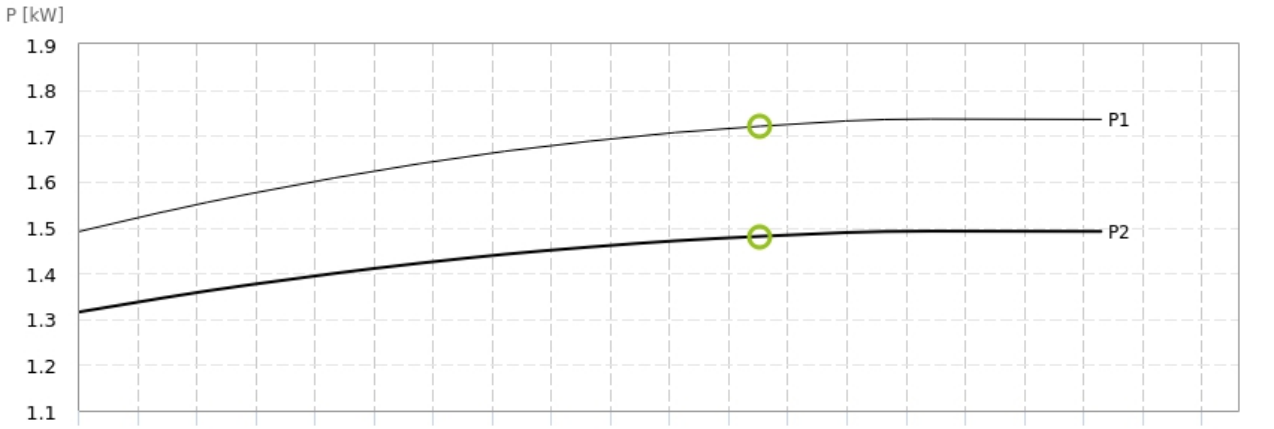
Pumped Liquid

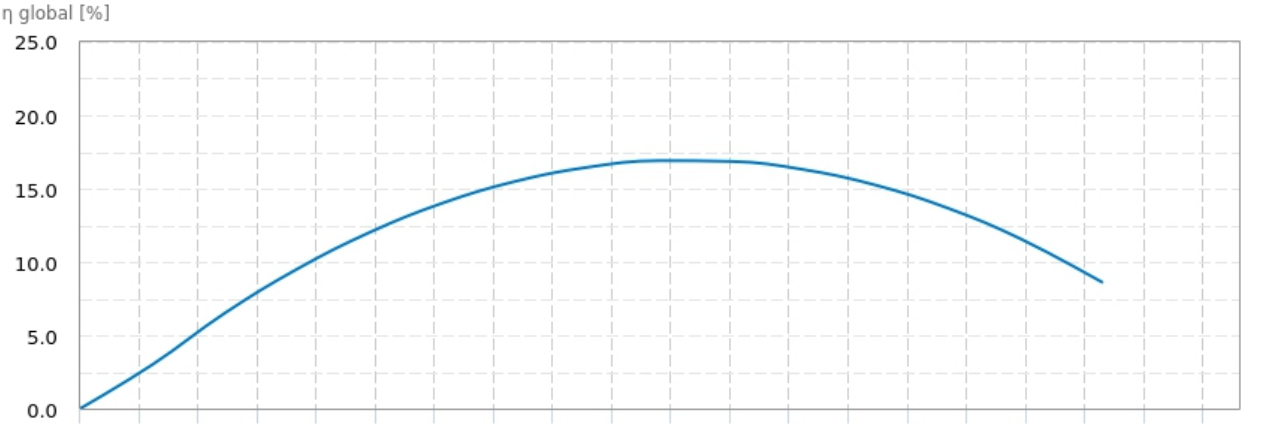
Pumped Liquid:	Sewage
Density [Kg/dm³]:	1.1
pH:	6-10
Temperature Range:	0-40°C

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


H [m]
12.0
10.0
8.0
6.0
4.0
2.0
0.0
0.0
5.0
10.0
15.0
20.0
25.0
30.0
35.0
40.0
45.0
Q [m³/h]
Tolerance's curve
Nominal duty point
Suggested working range

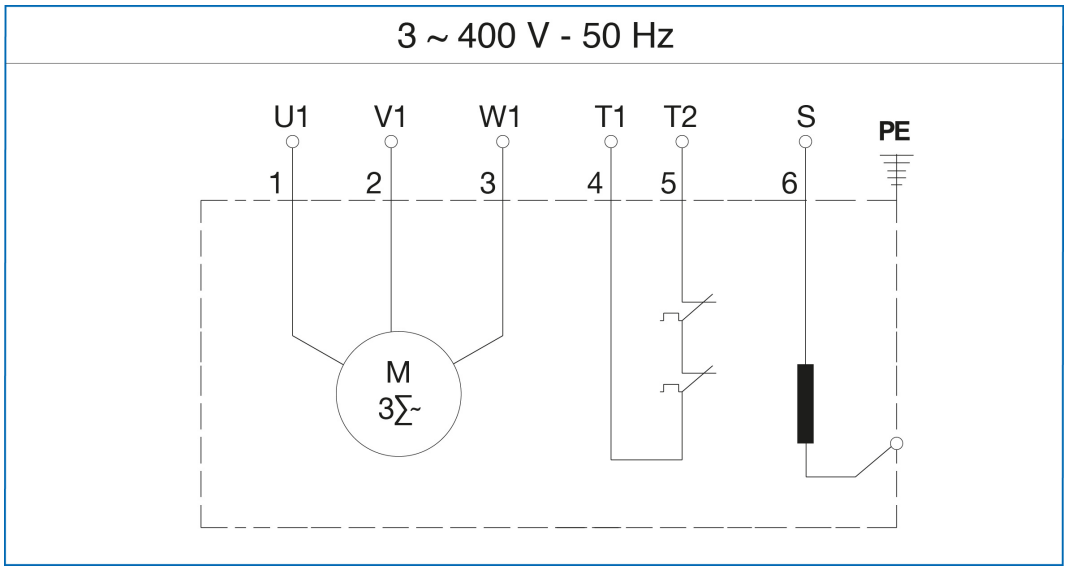
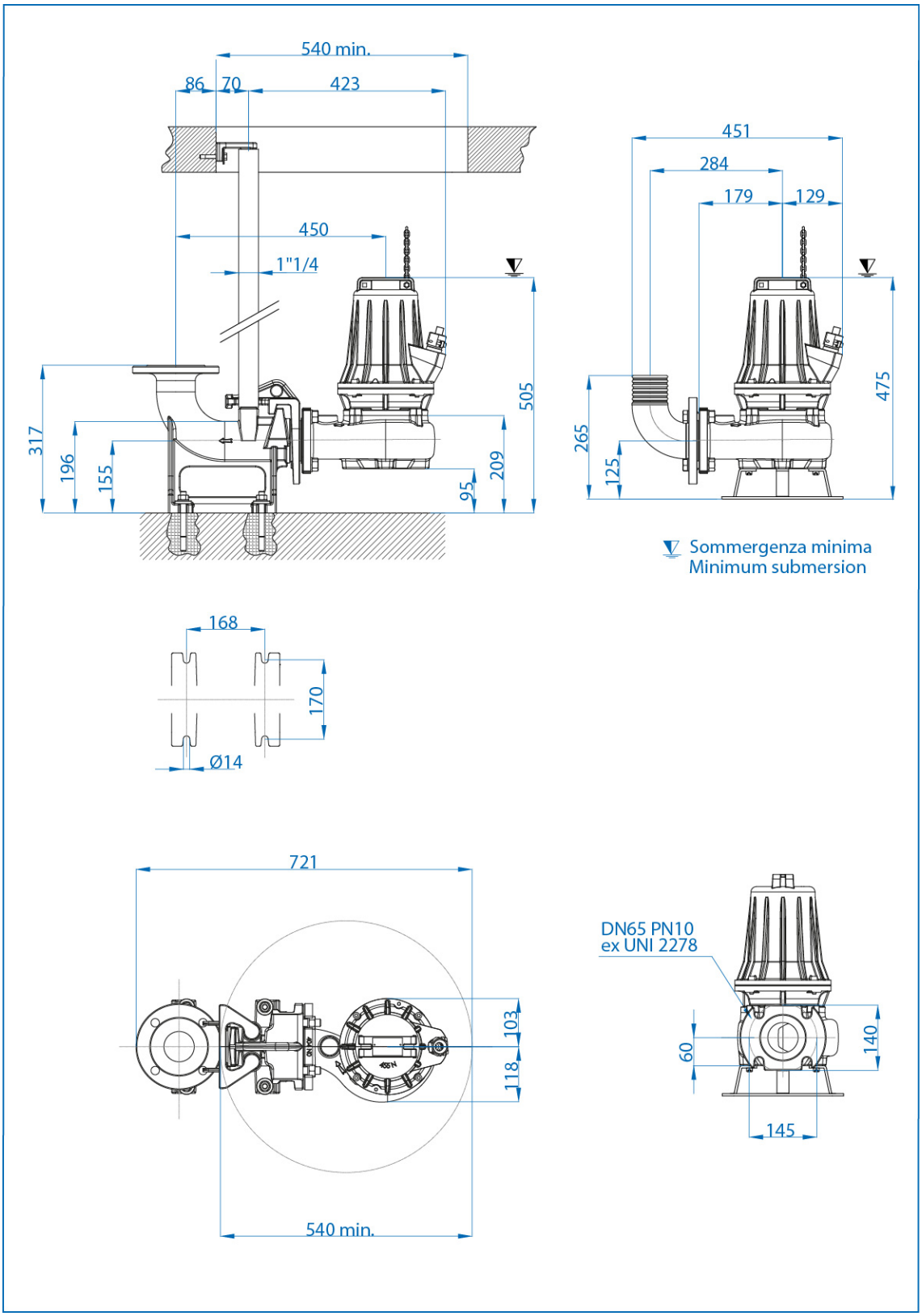

P [kW]
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
P1
P2


η global [%]
25.0
20.0
15.0
10.0
5.0
0.0

Motor

Motor code:	3520340210
Power P1 [kW]:	1.75
Power P2 [kW]:	1.50
Phases:	3
Frequency [Hz]:	50
Tension [V]:	400
Nominal current [A]:	3.1
Starting current [%]:	581.0
Power Factor:	0.83
R.P.M.:	2850
Starting:	D.O.L
Capacitor [µF]:	-
Insulation Class:	F 155°C
Service type:	S2
Max Efficiency [%]:	74.60
Max Efficiency at full load [%]:	73.9
Efficiency at ¾ load [%]:	69.0
Efficiency at ½ load [%]:	67.1
Efficiency class:	-

Wiring diagrams



Dimensions drawing