

## General Data

Model:	ALPHA V PRO-EX 50-2/060 M
Code:	2000241EX
Series:	Alpha V PRO
Weight [Kg]	24.00
Submersible pump for sewage with suspended solids	



Attention: pictures for illustrative purposes

## Hydraulic

Impeller Type:	-
Delivery DN [mm]:	G 2"
Input DN [mm]:	50
Free Passage [mm]:	50
Impeller Ø [mm]:	96
Max Pump Efficiency [%]:	0.0
Global Efficiency [%]:	20.89
Head [m]:	3.80
Flow [m³/h]:	18.00

*Tolerance according to ISO 9906:2012 3B2*

## Features

Upper Meccanical seal:	Lips seal
Lower Meccanical Seal:	Silicon carbide/ceramic/Viton
Upper Bearing:	Single raw ball bearing
Lower Bearing:	Single raw ball bearing
IP Protection:	IP68
Motor protection:	present
Humidity sensor:	not 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:	-
Oil Quantity [Kg]:	0.00

## Materials

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

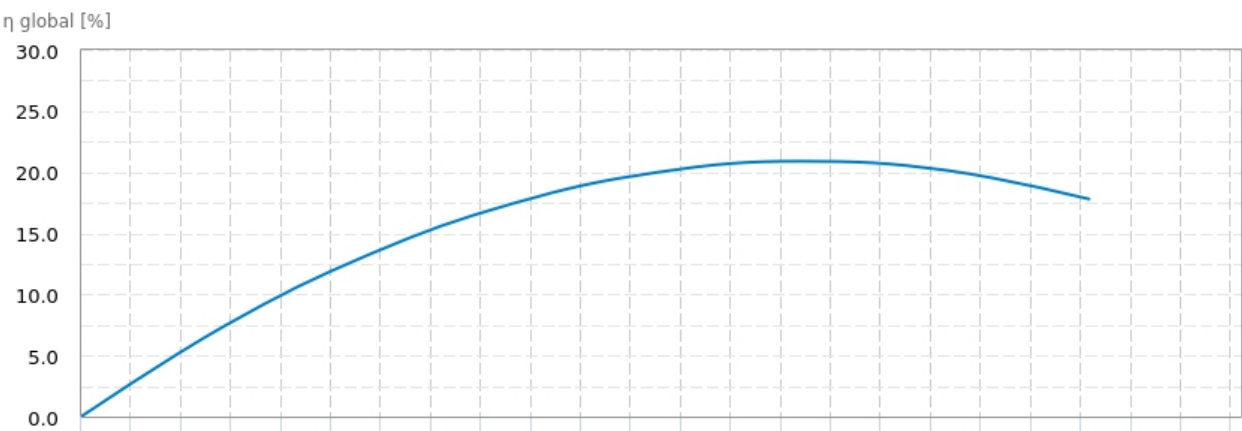
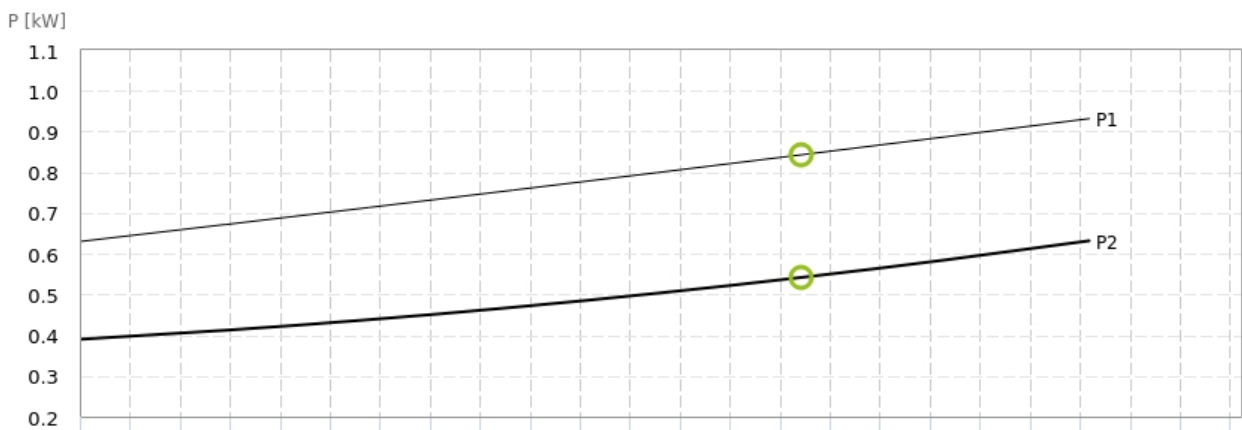
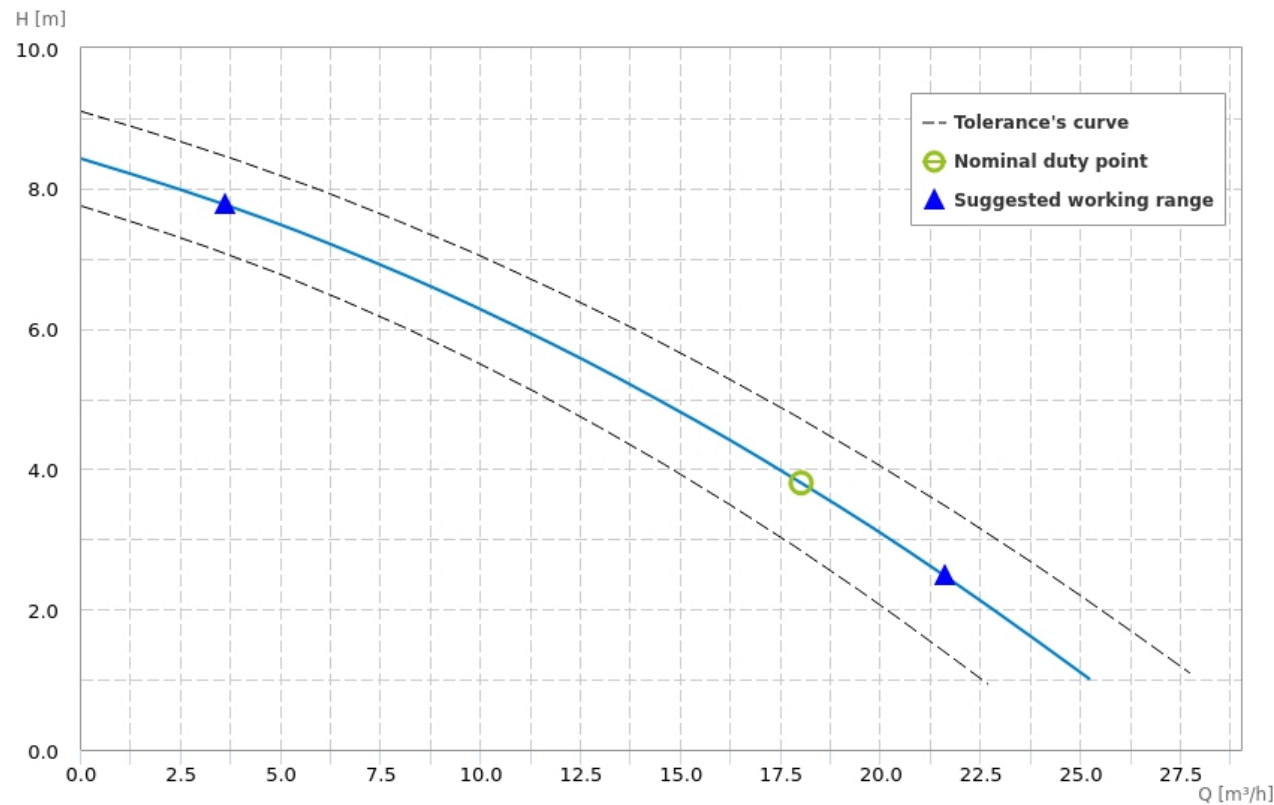
## Pumped Liquid

Pumped Liquid:	Sewage
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Density [Kg/dm <sup>3</sup> ]:	1.1
pH:	2023-10-06
Temperature Range:	0-40°C

### Installation

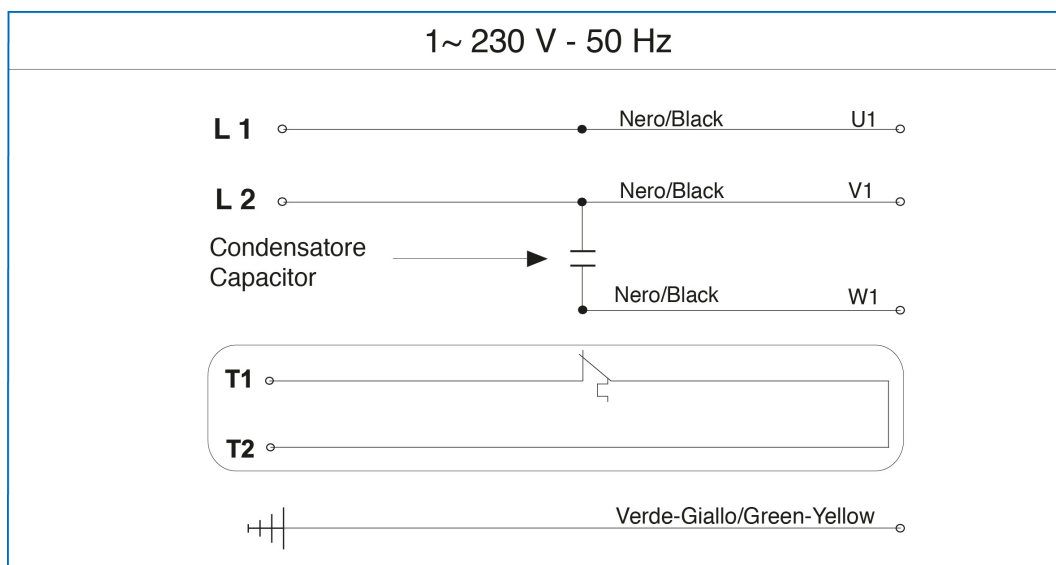
Maximum depth of immersion [m]:	20
Cooling Type:	The cooling of the motor is ensured by the surrounding liquid
Installation:	
Floating on board machine:	not present



## Motor

Motor code:	3520160215
Power P1 [kW]:	0.90
Power P2 [kW]:	0.60
Phases:	1
Frequency [Hz]:	50
Tension [V]:	230
Nominal current [A]:	4.8
Starting current [%]:	308.0
Power Factor:	0.93
R.P.M.:	2850
Starting:	D.O.L
Capacitor [μF]:	20.0
Insulation Class:	F 155°C
Service type:	S2
Max Efficiency [%]:	74.80
Max Efficiency at full load [%]:	70.7
Efficiency at $\frac{3}{4}$ load [%]:	67.0
Efficiency at $\frac{1}{2}$ load [%]:	68.0
Efficiency class:	-

## Wiring diagrams



Dimensions drawing

