

General Data

Model:	COMPATTA PRO-EX 50-2/060 M
Code:	2000020EX
Series:	Compatta PRO
Weight [Kg]	24.00
Submersible pump for sewage with suspended solids	

Hydraulic

Impeller Type:	Vortex Impeller
Delivery DN [mm]:	G 2"
Input DN [mm]:	50
Free Passage [mm]:	50
Impeller Ø [mm]:	96
Max Pump Efficiency [%]:	30.60
Global Efficiency [%]:	20.89
Head [m]:	3.80
Flow [m ³ /h]:	18.00

Tolerance according to ISO 9906:2012 3B2



Attention: pictures for illustrative purposes

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:	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]:	-

Materials

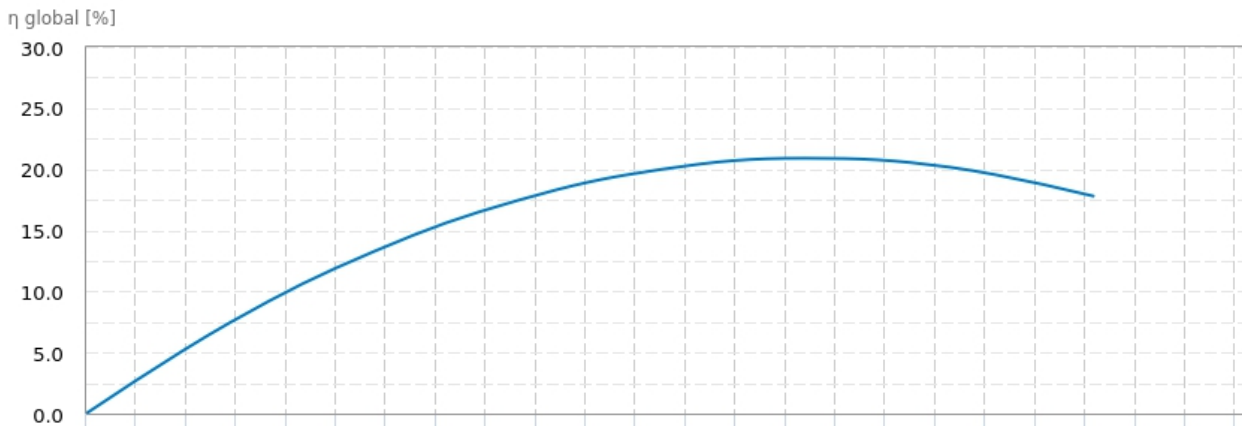
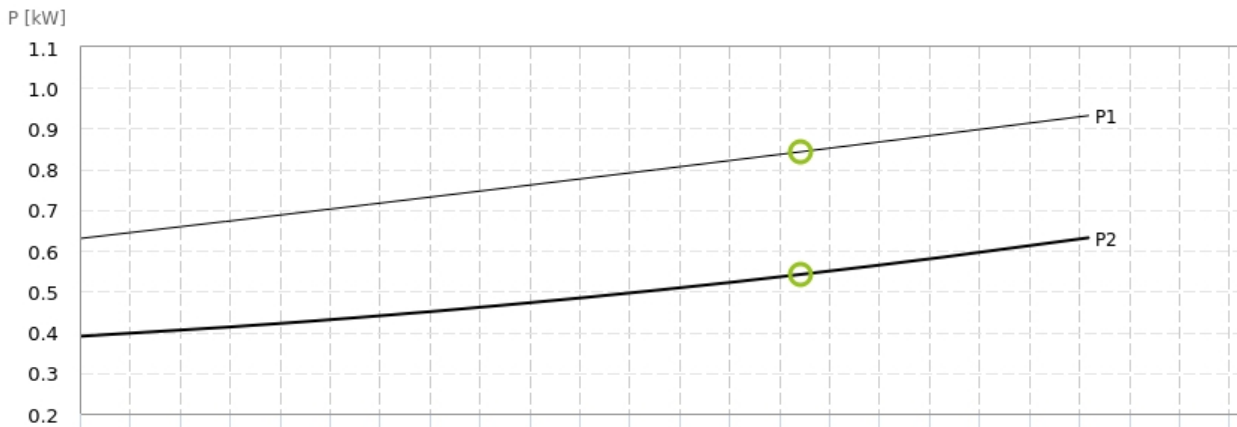
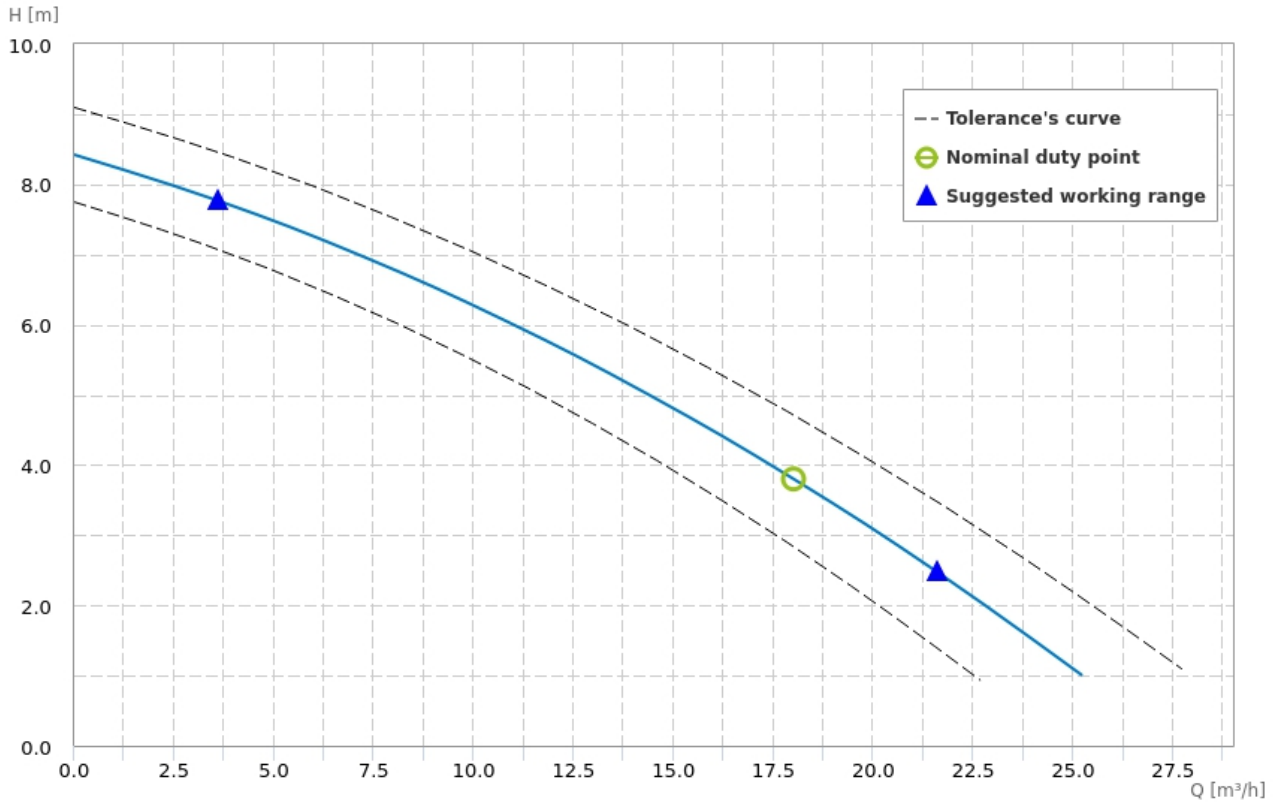
Pump:	Cast Iron EN 1561 EN-GJL-200
Impeller:	Cast iron EN 1561 EN-GJL-200
Motor shaft:	Stainless steel AISI 420
Cooling Jacket:	Not available
Screw:	Stainless steel A2-70
Cable:	NSSHOU-J

Pumped Liquid

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

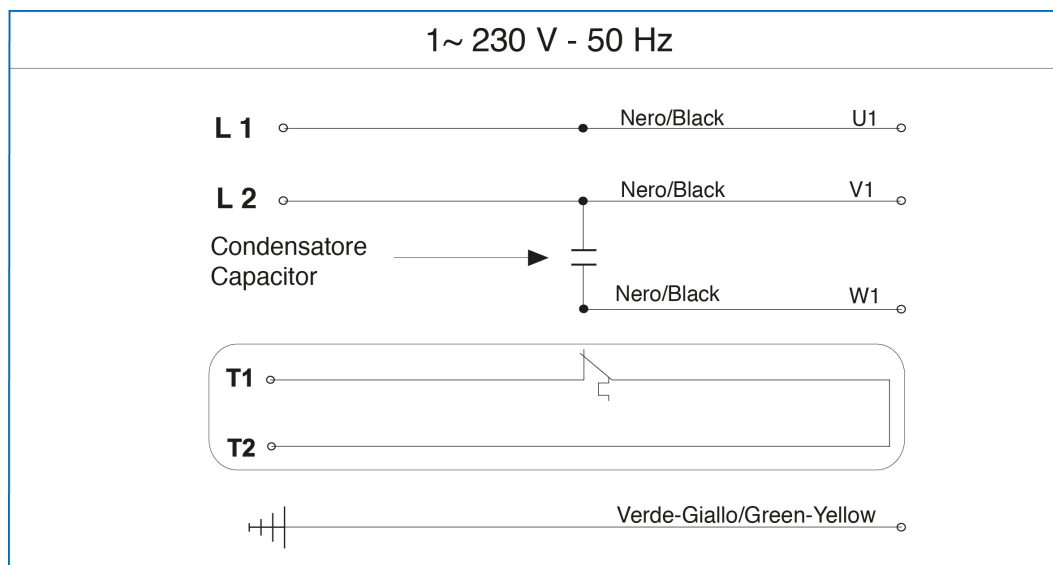
Installation

Maximum depth of immersion [m]:	20
Cooling Type:	The cooling of the motor is ensured by the surrounding liquid
Installation:	Vertical/Horizontal
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 [μ F]:	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 [%]:	68.0
Efficiency at $\frac{1}{2}$ load [%]:	67.0
Efficiency class:	-

Wiring diagrams

Dimensions drawing

