

## General Data

Model:	GX 50-2/090 M
Code:	2004000S
Series:	GX
Weight [Kg]	25.00
Submersible eletropumps for sewage with an inbuilt macerator in the inlet	

## Hydraulic

Impeller Type:	Grinder
Delivery DN [mm]:	G 2"
Input DN [mm]:	-
Free Passage [mm]:	-
Impeller Ø [mm]:	133
Max Pump Efficiency [%]:	29.30
Global Efficiency [%]:	22.98
Head [m]:	9.58
Flow [m³/h]:	9.00

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:	not present
ATEX:	not present
Applied Paint:	Two component water-based paint
Cable Length [m]:	10
Lubricating Oil:	Q8 WF15
Oil Quantity [Kg]:	

## Materials

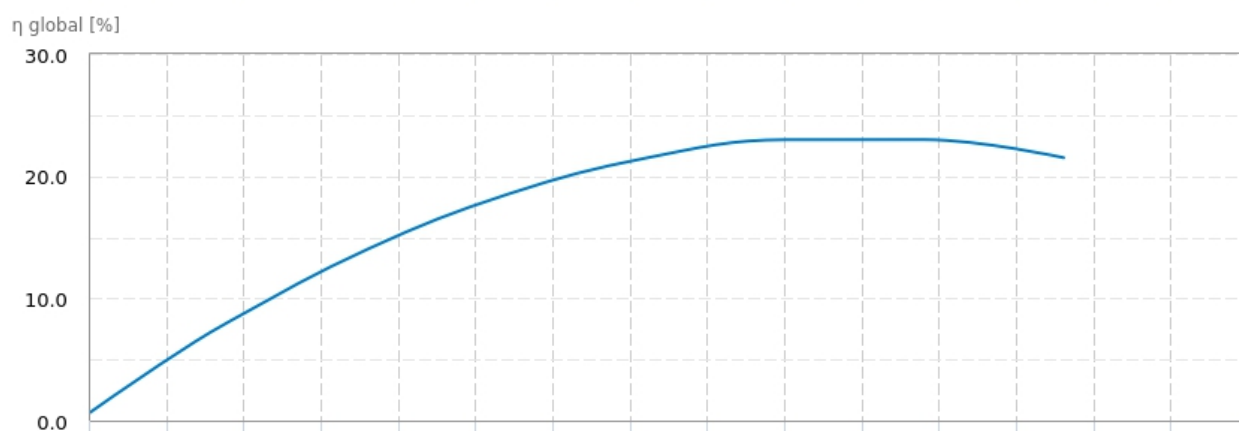
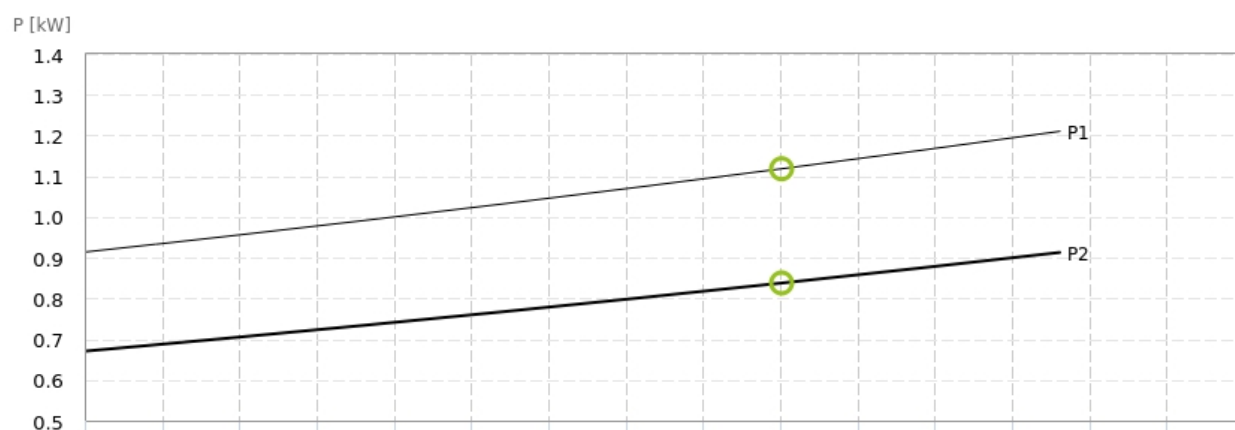
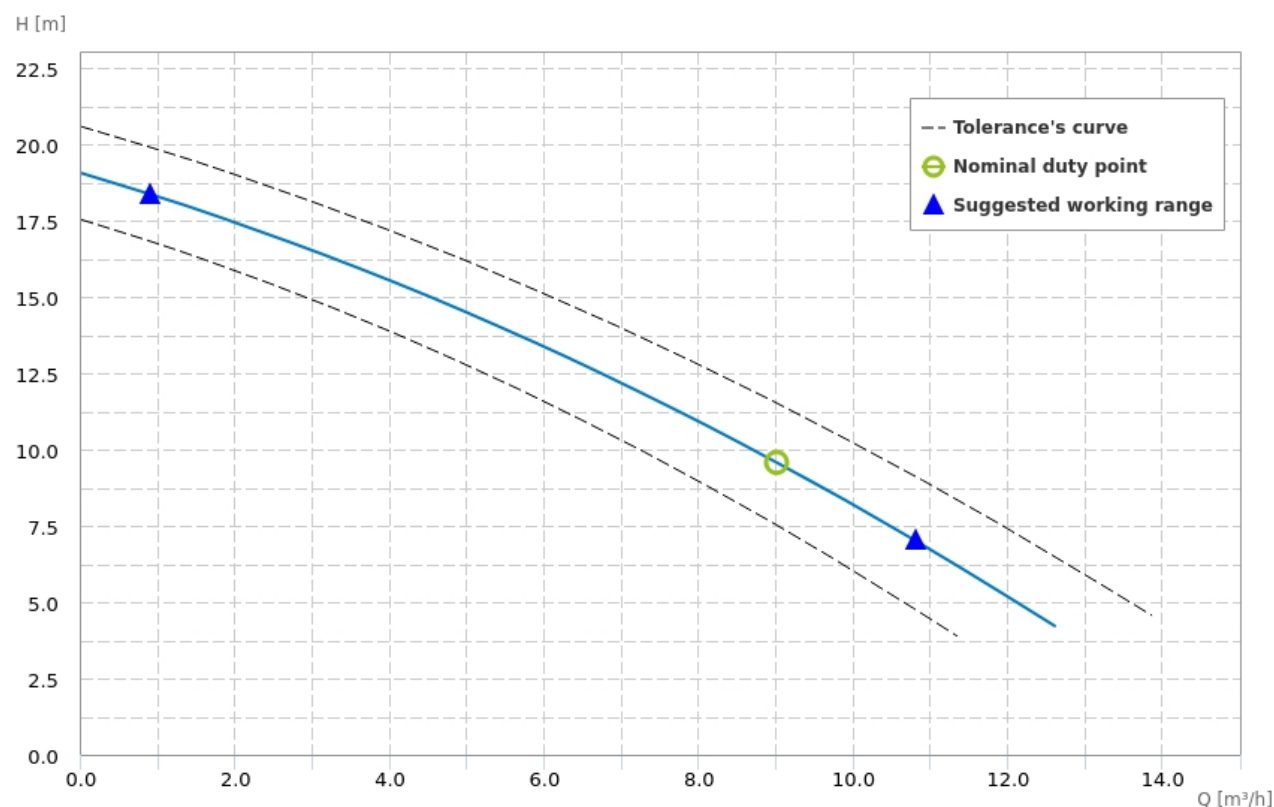
Pump:	Cast Iron EN 1561 EN-GJL-200
Impeller:	Cast iron EN 1561 EN-GJL-200
Motor shaft:	Stainless steel AISI 420
Cooling Jacket:	Not available
Screw:	Stainless steel A2-70
Cable:	H07RN8F

## Pumped Liquid

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

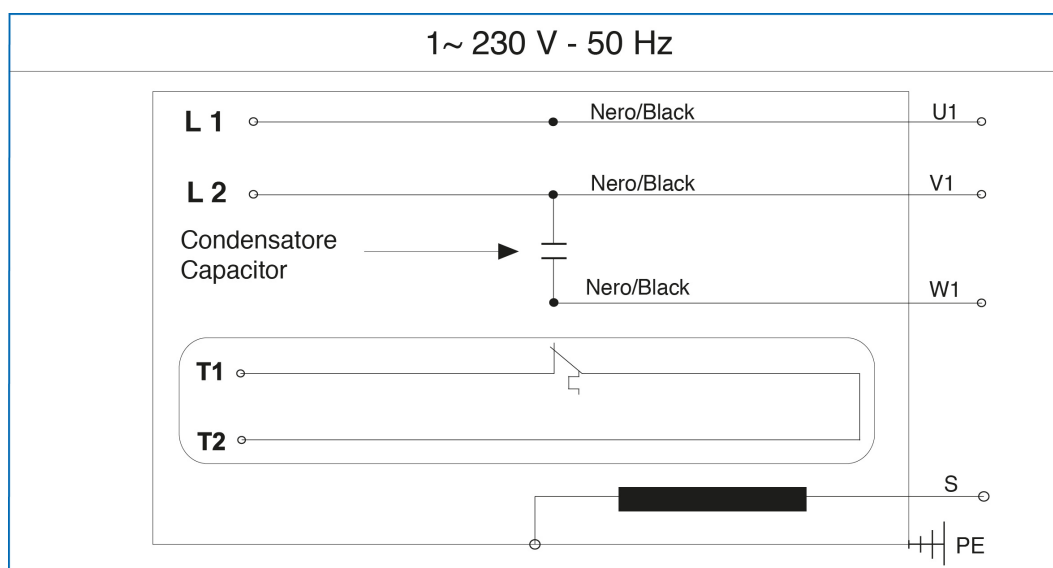
## Installation

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



**Motor**

Motor code:	3520160215
Power P1 [kW]:	1.20
Power P2 [kW]:	0.90
Phases:	1
Frequency [Hz]:	50
Tension [V]:	230
Nominal current [A]:	5.5
Starting current [%]:	308.0
Power Factor:	0.96
R.P.M.:	2850
Starting:	D.O.L
Capacitor [μF]:	25.0
Insulation Class:	F 155°C
Service type:	S2
Max Efficiency [%]:	74.80
Max Efficiency at full load [%]:	74.0
Efficiency at ¾ load [%]:	74.8
Efficiency at ½ load [%]:	72.5
Efficiency class:	-

**Wiring diagrams**

## Dimensions drawing

