General Data

Model:	GT 50/2/125 C.160
Code:	2000054
Series:	G2
Weight [Kg]	40.50

Submersible eletropumps for sewage with an inbuilt maceratorin the inlet

Attention: pictures for illustrative purposes

Hydraulic

Impeller Type:	Grinder
Delivery DN [mm]:	G 2" DN32 PN6
Input DN [mm]:	-
Free Passage [mm]:	-
Impeller Ø [mm]:	166
Max Pump Efficiency [%]:	31.10
Global Efficiency [%]:	23.7
Head [m]:	21.43
Flow [m³/h]:	12.00

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

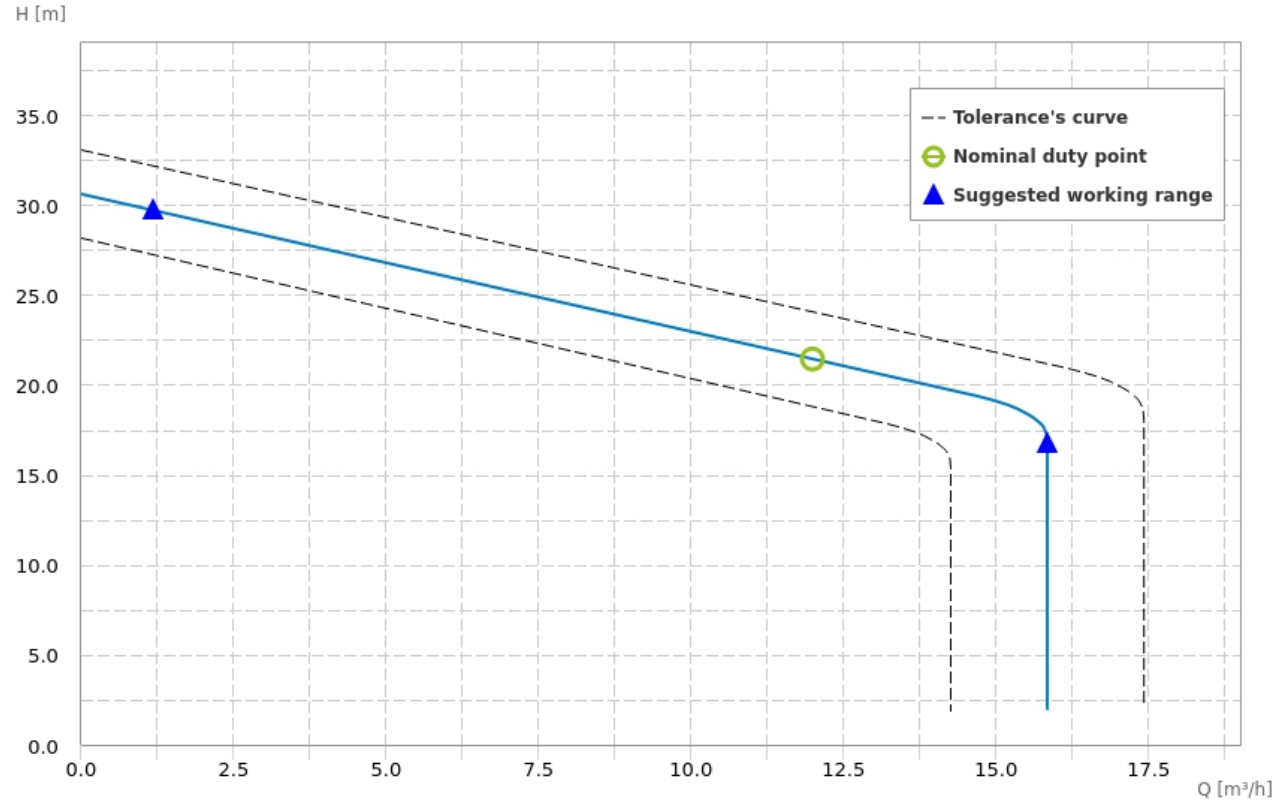
Pump:	Cast Iron EN 1561 EN-GJL-250
Impeller:	Cast iron EN 1561 EN-GJL-250
Motor shaft:	Stainless steel AISI 420
Cooling Jacket:	Not available
Screw:	Stainless steel A2-70
Cable:	H07RN8F

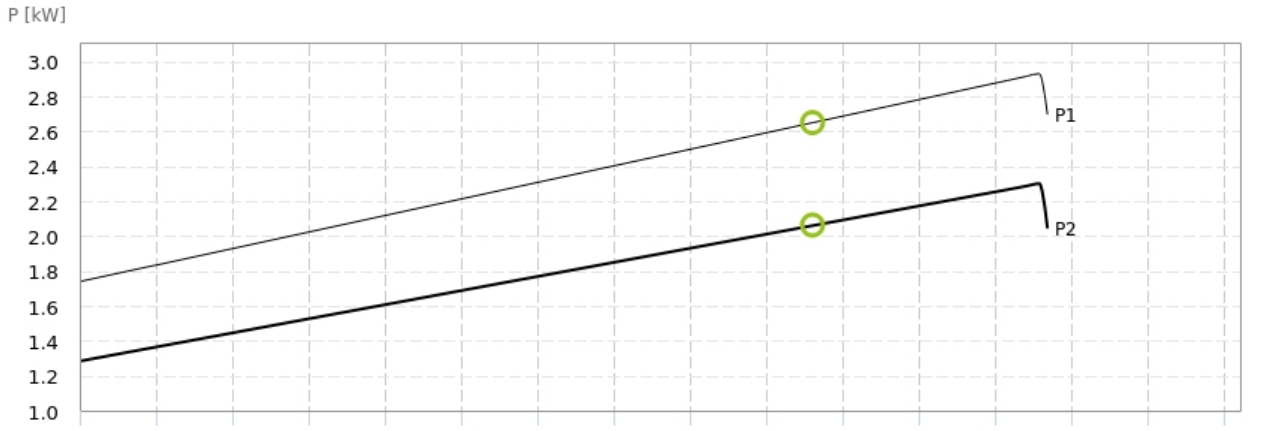
Pumped Liquid

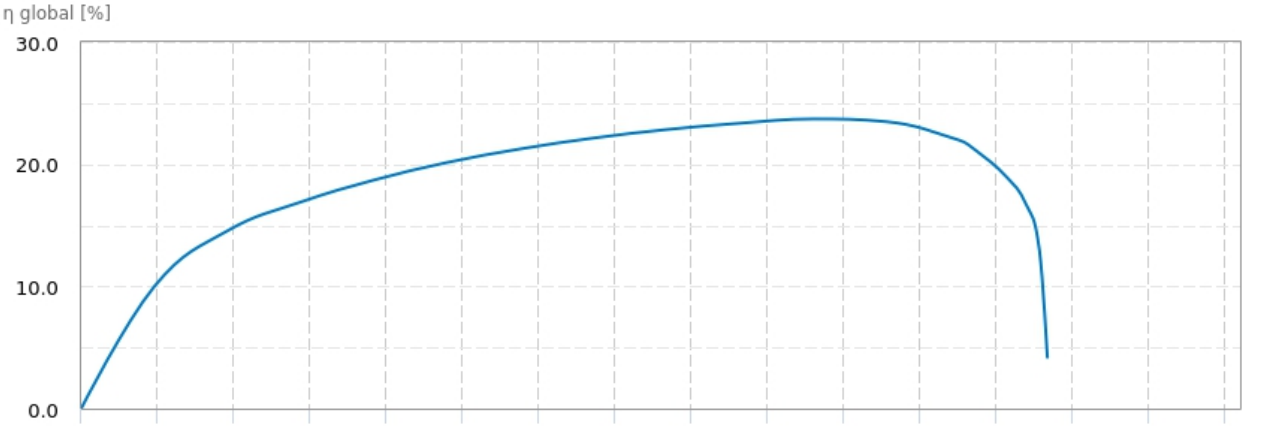
Pumped Liquid:	Light and lightly sewage
Density [Kg/dm³]:	1.1
pH:	6-10
Temperature Range:	0-40°C

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


H [m]
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
Q [m³/h]
Tolerance's curve
Nominal duty point
Suggested working range

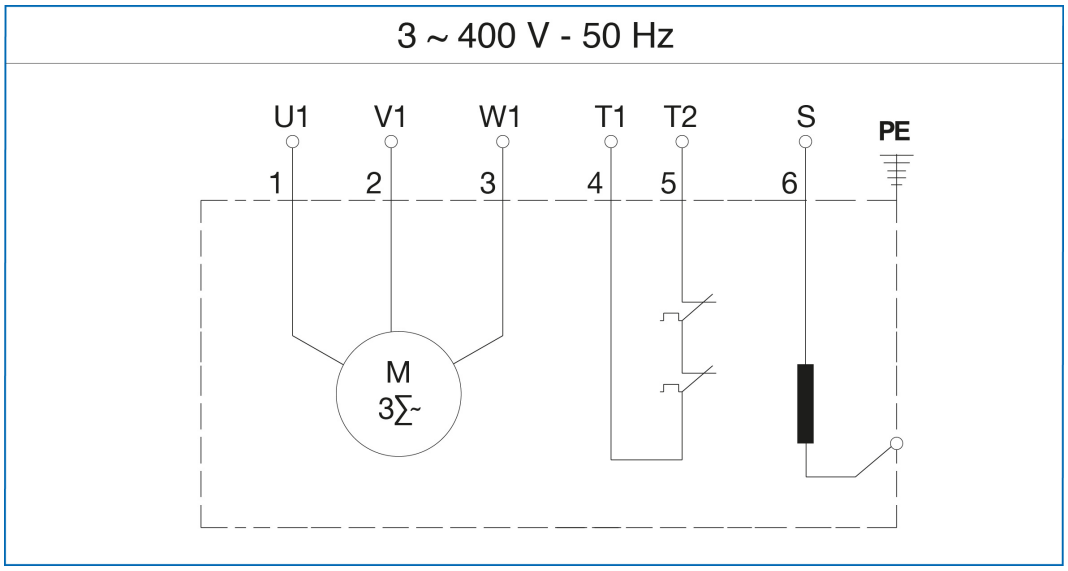
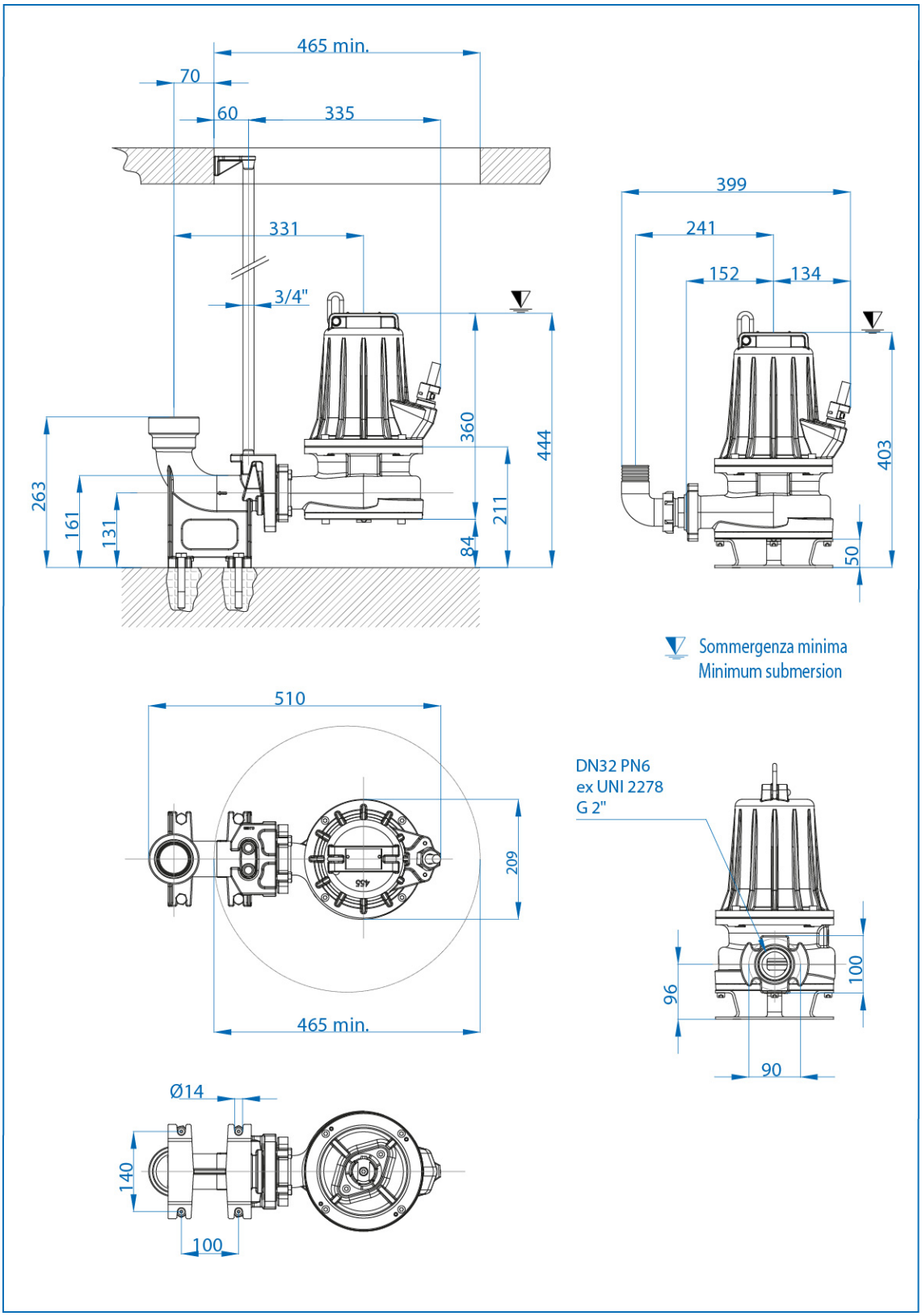

P [kW]
3.0
2.8
2.6
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
P1
P2


η global [%]
30.0
20.0
10.0
0.0

Motor

Motor code:	3520360220
Power P1 [kW]:	2.90
Power P2 [kW]:	2.30
Phases:	3
Frequency [Hz]:	50
Tension [V]:	400
Nominal current [A]:	5.2
Starting current [%]:	902.0
Power Factor:	0.82
R.P.M.:	2850
Starting:	D.O.L
Capacitor [µF]:	-
Insulation Class:	F 155°C
Service type:	S2
Max Efficiency [%]:	76.30
Max Efficiency at full load [%]:	76.2
Efficiency at ¾ load [%]:	76.1
Efficiency at ½ load [%]:	75.5
Efficiency class:	-

Wiring diagrams



Dimensions drawing