General Data

Model:	COMPATTA 4 M
Code:	2000032
Series:	Compatta
Weight [Kg]	21.00

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]:	113
Max Pump Efficiency [%]:	0.0
Global Efficiency [%]:	22.6
Head [m]:	8.34
Flow [m³/h]:	14.40

Tollerance according to ISO 9906:2012 3B2

Features

Upper Meccanical seal:	Lip 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:	-
Oil Quantity [Kg]:	0.00

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

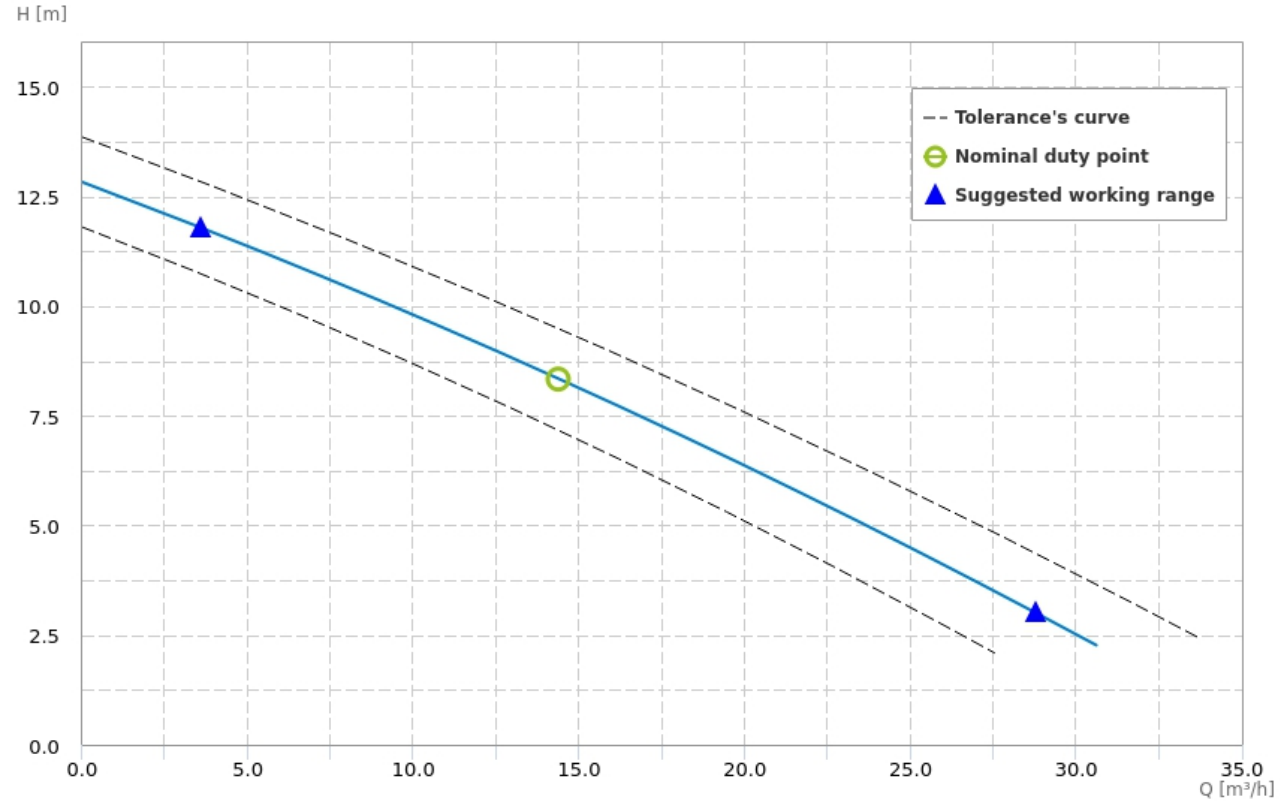
Pumped Liquid

Pumped Liquid:	Sewage
Density [Kg/dm³]:	1.1

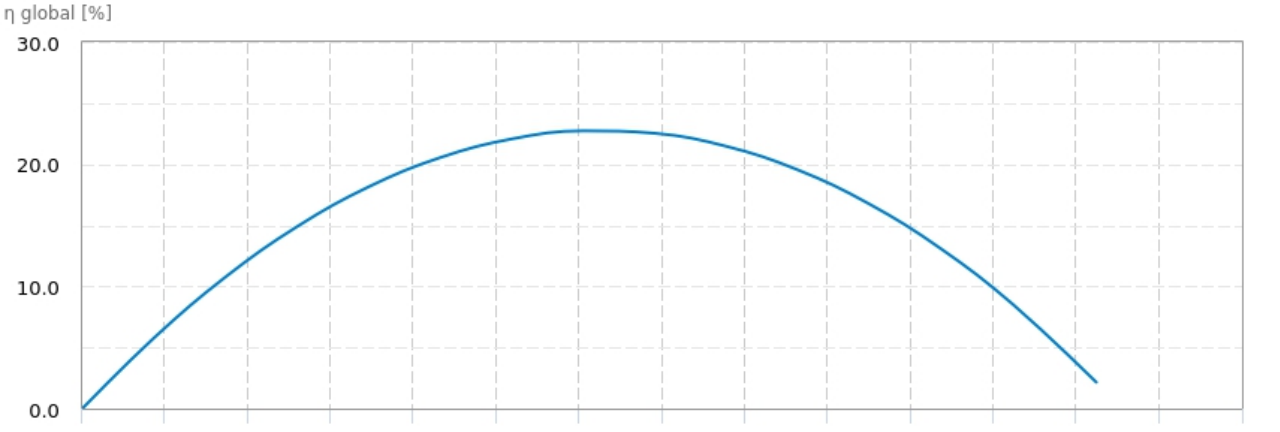
pH:	2023-10-06
Temperature Range:	0-40°C

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


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

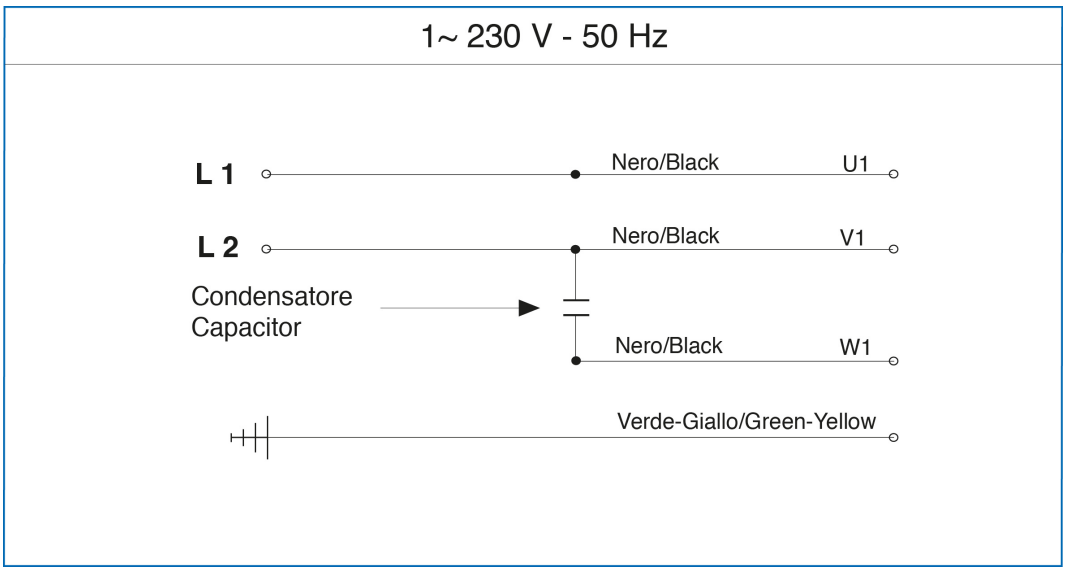

P [kW]
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
P1
P2


η global [%]
30.0
20.0
10.0
0.0

Motor

Motor code:	3520160210
Power P1 [kW]:	1.60
Power P2 [kW]:	1.10
Phases:	1
Frequency [Hz]:	50
Tension [V]:	230
Nominal current [A]:	7.6
Starting current [%]:	308.0
Power Factor:	0.94
R.P.M.:	2850
Starting:	D.O.L
Capacitor [µF]:	30.0
Insulation Class:	F 155°C
Service type:	S2
Max Efficiency [%]:	74.80
Max Efficiency at full load [%]:	73.1
Efficiency at ¾ load [%]:	74.3
Efficiency at ½ load [%]:	73.5
Efficiency class:	-

Wiring diagrams



Dimensions drawing

