

General Data

Model:	AT 80/2/152 C.246
Code:	2000115
Series:	A2
Weight [Kg]	61.00
Submersible eletropumps for wastewater including sewage	

Hydraulic

Impeller Type:	-
Delivery DN [mm]:	DN80 PN16
Input DN [mm]:	80
Free Passage [mm]:	45
Impeller Ø [mm]:	-
Max Pump Efficiency [%]:	0.0
Global Efficiency [%]:	36.03
Head [m]:	12.20
Flow [m³/h]:	43.20

Tolerance 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]:	0.75

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

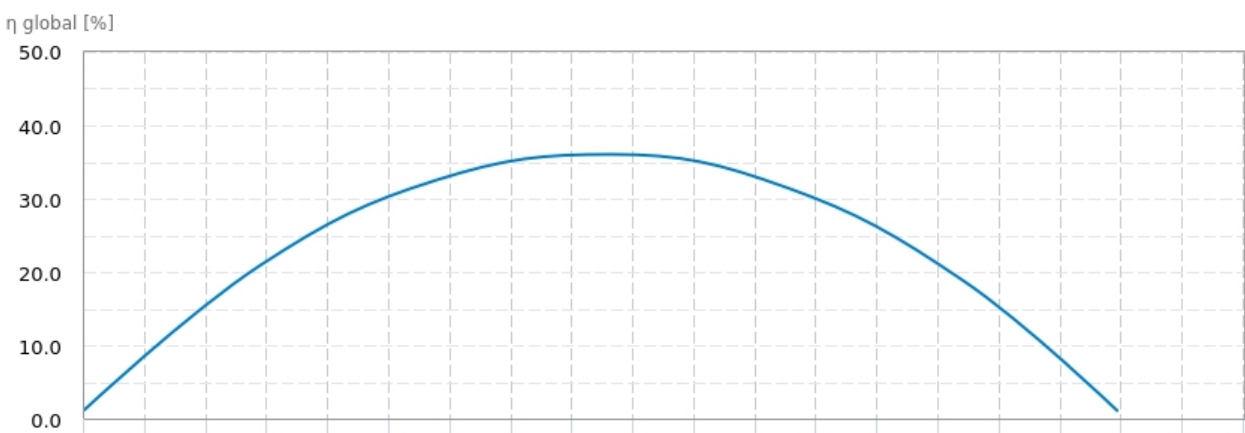
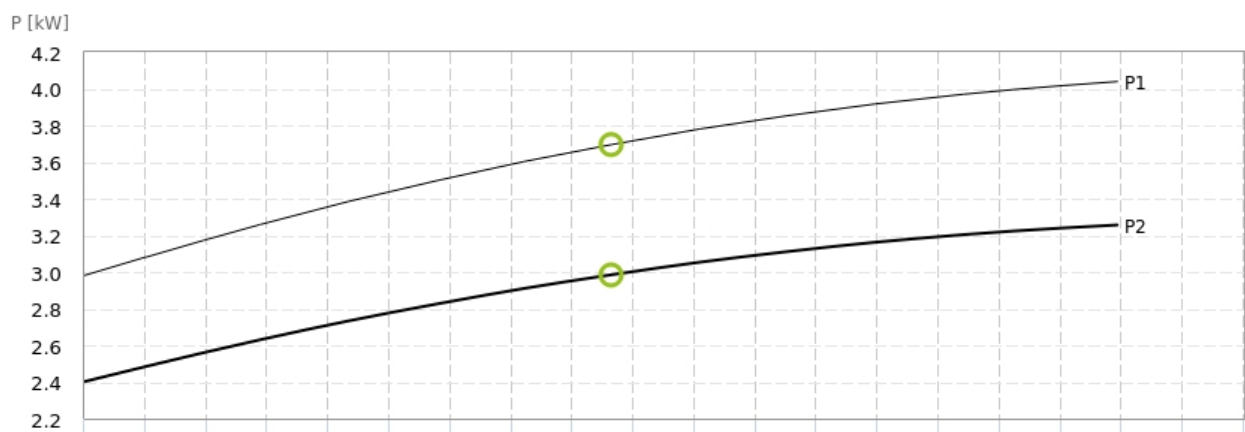
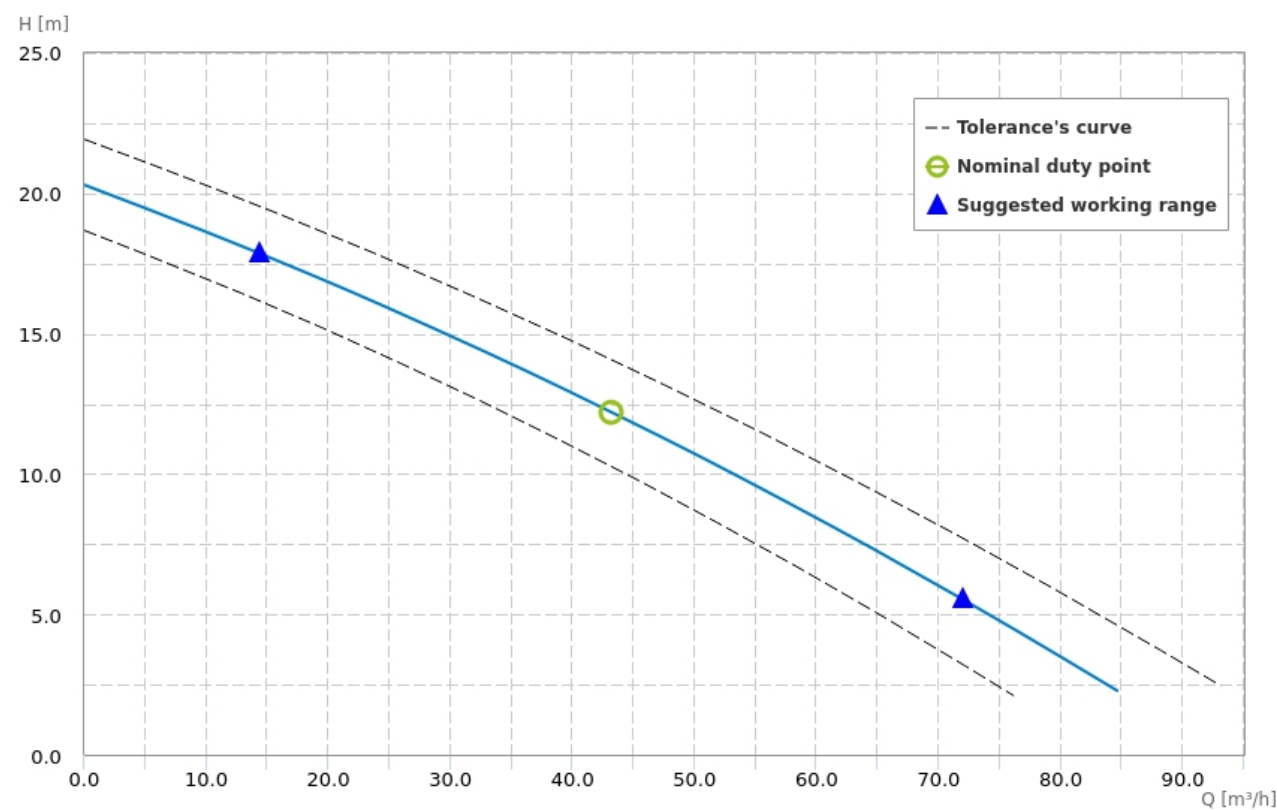


Attention: pictures for illustrative purposes

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

Installation

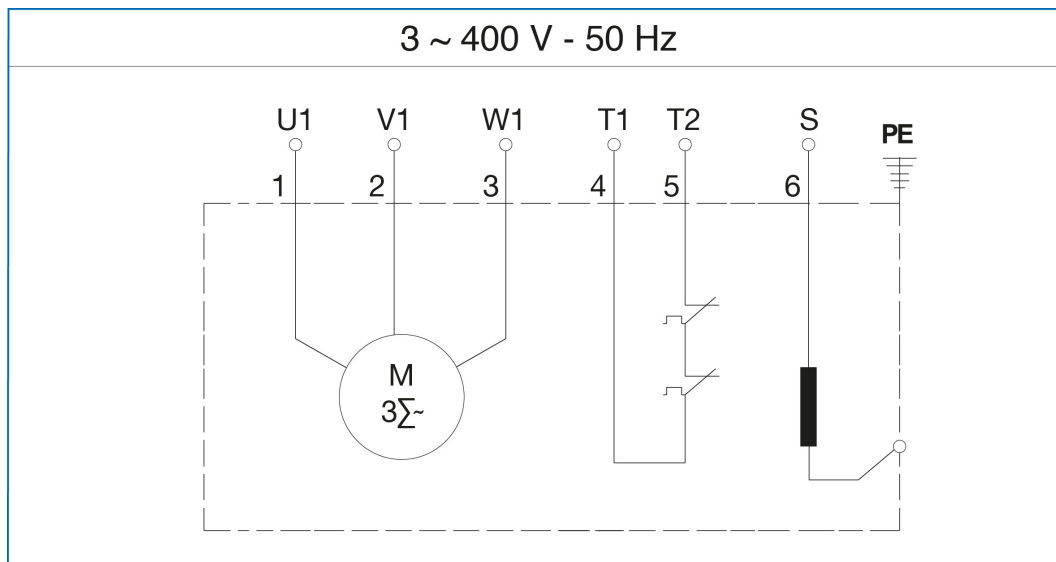
Maximum depth of immersion [m]: 20
Cooling Type: The cooling of the motor is ensured by the surrounding liquid
Installation:
Floating on board machine: not present



Motor

Motor code:	3520600210
Power P1 [kW]:	4.00
Power P2 [kW]:	3.20
Phases:	3
Frequency [Hz]:	50
Tension [V]:	400
Nominal current [A]:	6.9
Starting current [%]:	579.0
Power Factor:	0.85
R.P.M.:	2850
Starting:	D.O.L
Capacitor [μF]:	0.0
Insulation Class:	F 155°C
Service type:	S2
Max Efficiency [%]:	84.00
Max Efficiency at full load [%]:	83.2
Efficiency at ¾ load [%]:	83.7
Efficiency at ½ load [%]:	83.3
Efficiency class:	IE2

Wiring diagrams



Dimensions drawing

