

General Data

Model:	ATH 80-2/150
Code:	2000126
Series:	ATH
Weight [Kg]	200.00

Submersible eletropumps for large volumes of wastewater including light sewage at high pressure

Hydraulic

Impeller Type:	Double channel centrifugal impeller
Delivery DN [mm]:	DN80 PN16
Input DN [mm]:	80
Free Passage [mm]:	33
Impeller Ø [mm]:	192
Max Pump Efficiency [%]:	64.50
Global Efficiency [%]:	59.62
Head [m]:	32.25
Flow [m ³ /h]:	108.00

Tolerance according to ISO 9906:2012 3B2



Attention: pictures for illustrative purposes

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]:	3.80

Materials

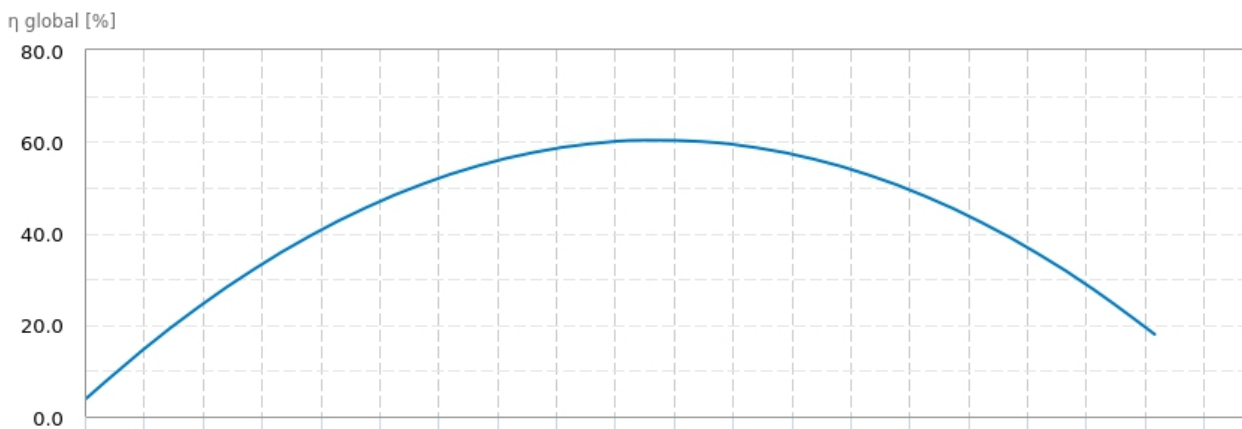
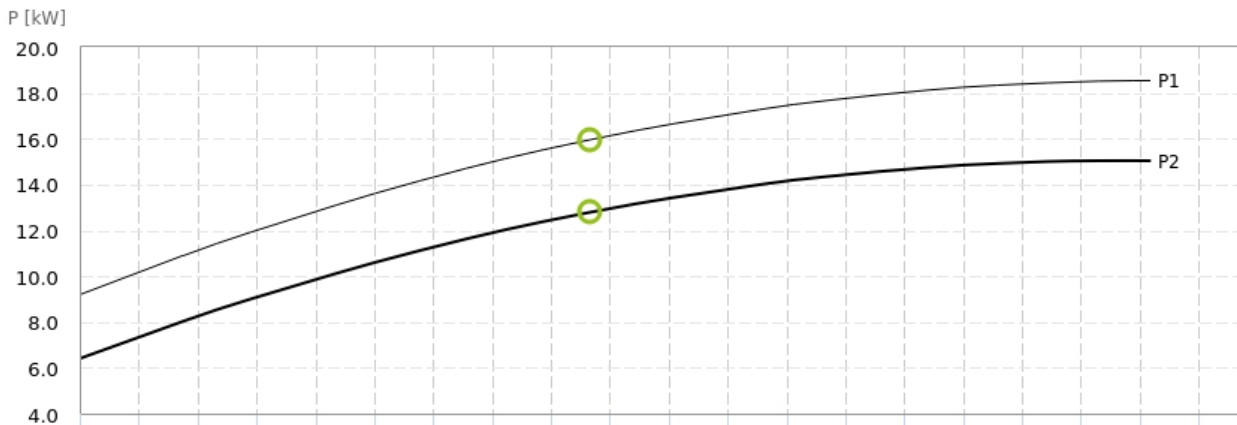
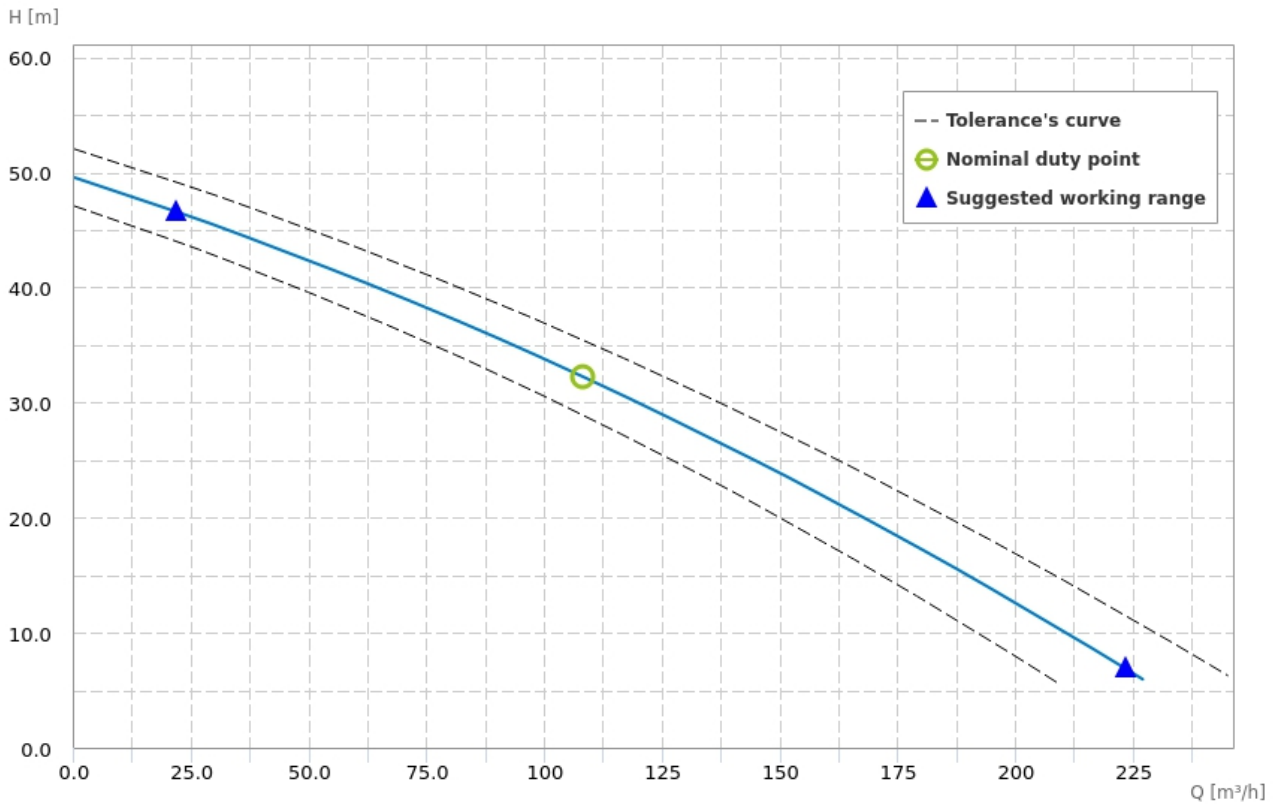
Pump:	Cast Iron EN 1561 EN-GJL-250
Impeller:	Cast iron EN 1561 EN-GJL-250
Motor shaft:	Stainless steel AISI 420
Cooling Jacket:	Not available
Screw:	Stainless steel A2-70
Cable:	H07RN8F

Pumped Liquid

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

Installation

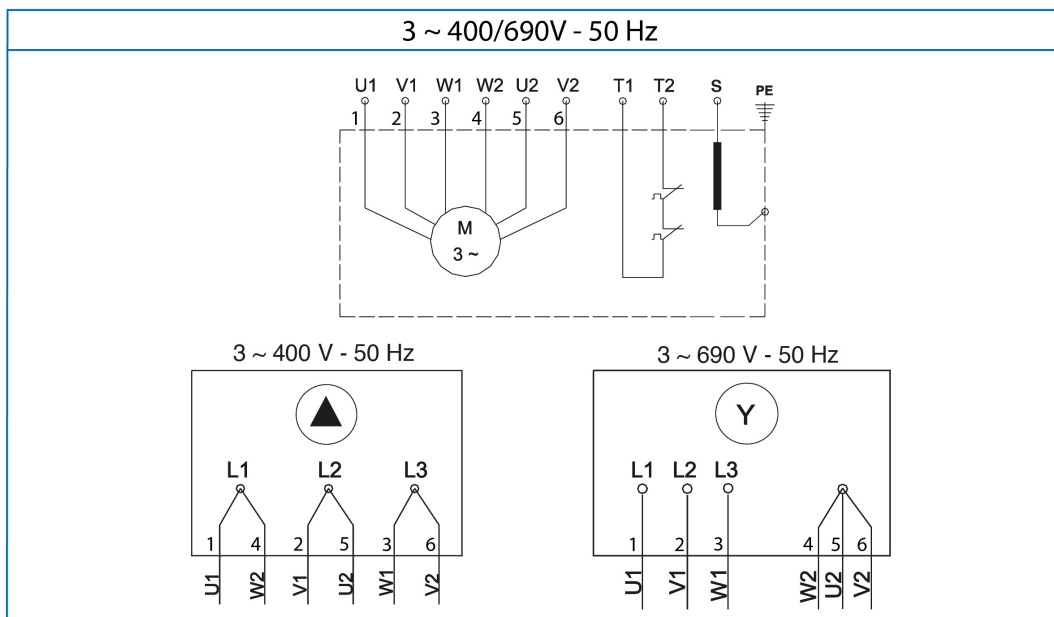
Maximum depth of immersion [m]:	20
Cooling Type:	The cooling of the motor is ensured by the surrounding liquid
Installation:	Vertical
Floating on board machine:	not present



Motor

Motor code:	3520960210
Power P1 [kW]:	18.50
Power P2 [kW]:	15.00
Phases:	3
Frequency [Hz]:	50
Tension [V]:	400
Nominal current [A]:	29.7
Starting current [%]:	667.0
Power Factor:	0.91
R.P.M.:	2850
Starting:	Y-D
Capacitor [μF]:	-
Insulation Class:	F 155°C
Service type:	S2
Max Efficiency [%]:	91.40
Max Efficiency at full load [%]:	91.1
Efficiency at ¾ load [%]:	91.4
Efficiency at ½ load [%]:	91.3
Efficiency class:	IE2

Wiring diagrams



Dimensions drawing

