

Attention: pictures for illustrative purposes

**General Data**

Model:	BIC 50-2/150 M
Code:	2000235
Series:	BIC
Weight [Kg]	22.50
Submersible eletropumps for wastewater including sewage	

**Hydraulic**

Impeller Type:	-
Delivery DN [mm]:	G 2"
Input DN [mm]:	-
Free Passage [mm]:	15
Impeller Ø [mm]:	115
Max Pump Efficiency [%]:	0.0
Global Efficiency [%]:	29.84
Head [m]:	9.54
Flow [m³/h]:	18.00

*Tolerance according to ISO 9906:2012 3B2***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:	-
Oil Quantity [Kg]:	0.00

**Materials**

Pump:	-
Impeller:	-
Motor shaft:	-
Cooling Jacket:	Not available
Screw:	Stainless steel A2-70
Cable:	H07RN8F

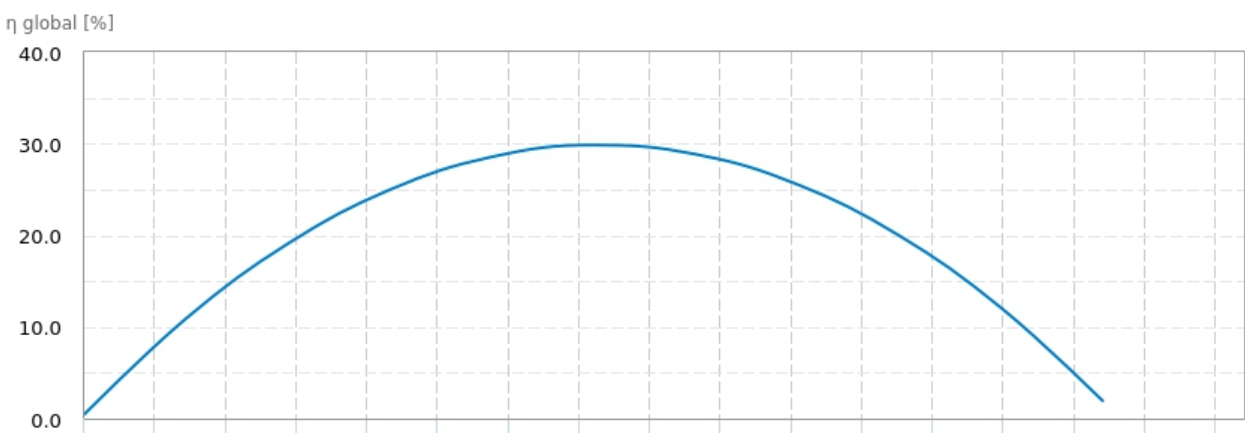
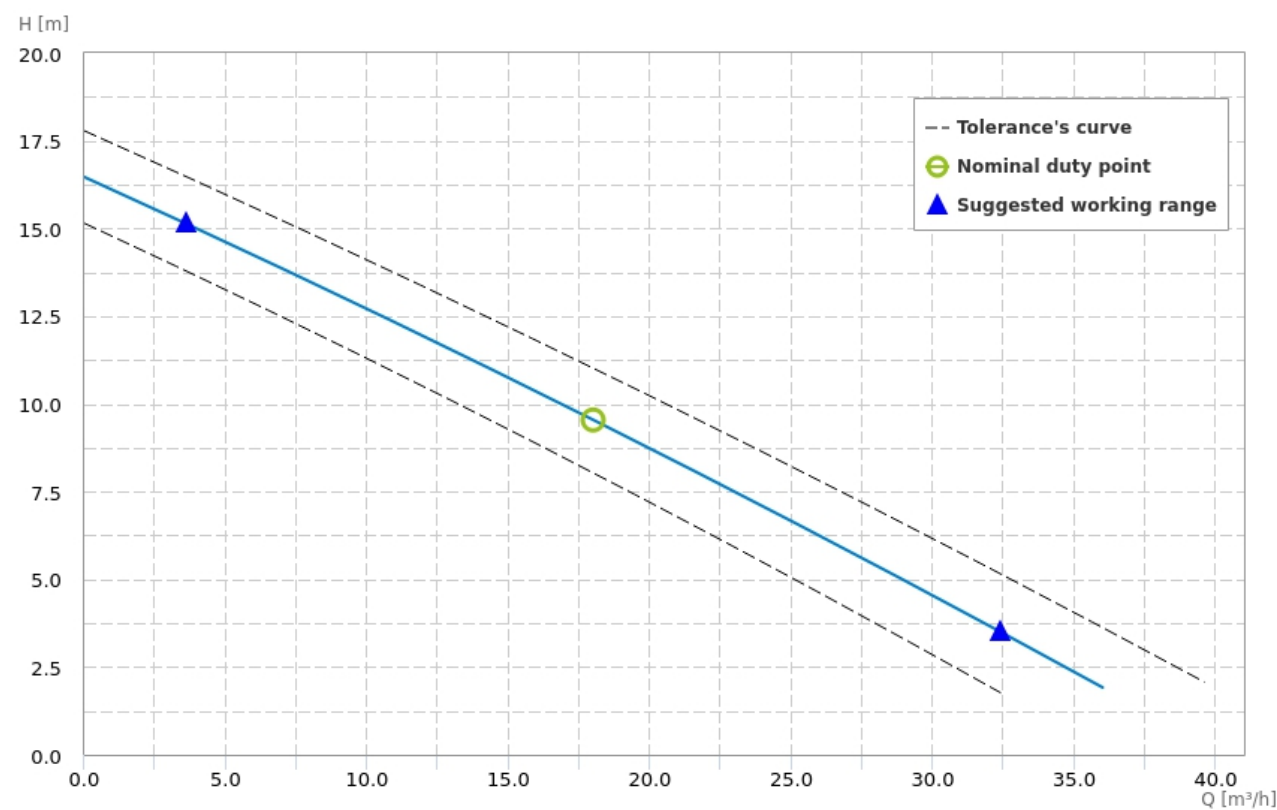
**Pumped Liquid**

Pumped Liquid:	Light and lightly sewage
Density [Kg/dm³]:	1.1

pH: 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:	3520180220
Power P1 [kW]:	2.10
Power P2 [kW]:	1.50
Phases:	1
Frequency [Hz]:	50
Tension [V]:	230
Nominal current [A]:	9.9
Starting current [%]:	232.0
Power Factor:	0.90
R.P.M.:	2850
Starting:	D.O.L
Capacitor [μF]:	32.0
Insulation Class:	F 155°C
Service type:	S2
Max Efficiency [%]:	77.20
Max Efficiency at full load [%]:	70.1
Efficiency at $\frac{3}{4}$ load [%]:	70.3
Efficiency at $\frac{1}{2}$ load [%]:	70.4
Efficiency class:	-

**Wiring diagrams**

**Dimensions drawing**