

NOCCHI BIOX XS

SUBMERSIBLE VORTEX SEWAGE PUMPS

MECHANICAL SEAL IN SILICON CARBIDE / SILICON CARBIDE

The BIOX XS series pumps are made completely with stainless steel AISI 304. They operate completely immersed in the liquid to be pumped which provides for the cooling of the motor from the outside. Made with a retreated impeller on the principle of vortex operation. Automatic version equipped with float switch.

MOTOR

- Dry running.
- Degree of protection IP 68
- Insulation class F
- Single-phase power supply with capacitor permanently on and thermal protection built into the motor casing.
- Cable connection chamber completely insulated.
- Self-lubricating ball bearings.
- Speed of rotation 2850 rpm.

APPLICATIONS

- All lifting and emptying operations of dirty water with suspended solids.
- Lifting stations with one or more pumps for agricultural and civil use.
- Suitable for the emptying of infiltrated water
- Handling of dirty discharge water (toilets), emptying of wells and discharge in sewers.

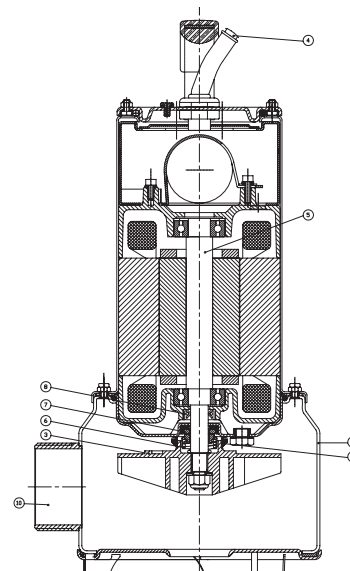
USAGE DATA

- Type of liquid: discharge water with solids.
- Maximum temperature of the liquid 40°C.
- Maximum immersion under the water level 7 m.
- Free passage of solids: 40 mm



TABLE OF MATERIALS

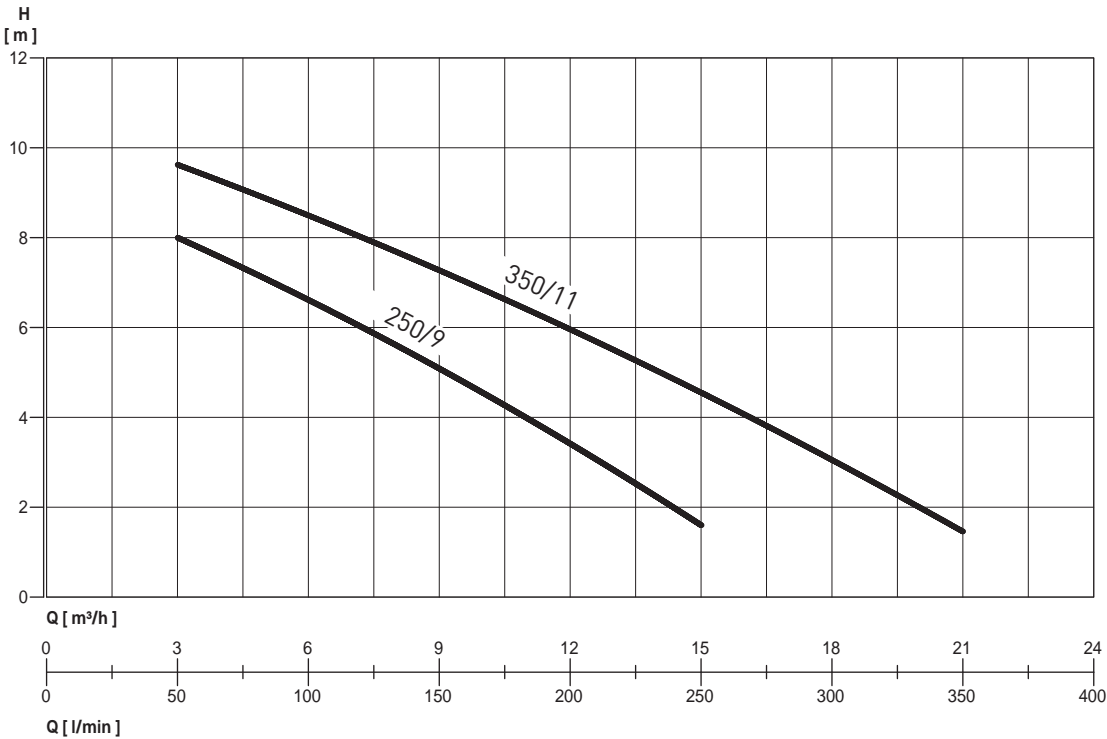
Component		Material	
1	Pump body	Stainless steel X5 CrNi 1810 (AISI 304)	
2	Air inlet base	Stainless steel X5 CrNi 1810 (AISI 304)	
3	Impeller	Stainless steel X5 CrNi 1810 (AISI 304) casting	
4	Outlet	Thread	
5	Supply cable	10 m H07 RN-F with plug	
6	Motor shaft	Stainless steel X5 CrNiS 1809 (AISI 416)	
7	Mechanical seal	Silicon carbide	
8	Counterface	Silicon carbide	Lubricated in oil chamber
9	Secondary seal	rubber NBR lip seal	
10	Sand guard	Rubber NBR	



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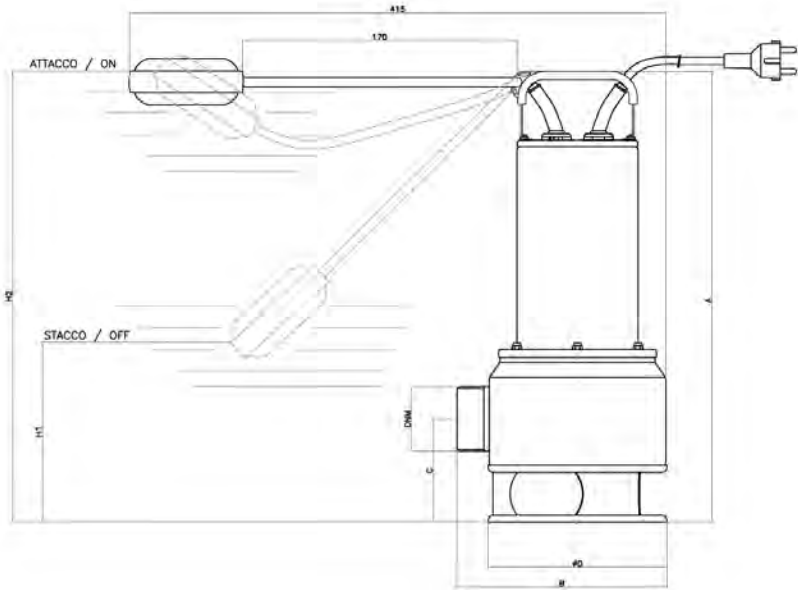
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HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

MODEL	Motor power (P2)		Motor power (P1)		VOLT. (V)	In (A)	µF	Q	l/min	50	100	150	200	250	300	350
	HP	kW	HP	kW					m³/h	3	6	9	12	15	18	21
BIOX 250/9 XS AUT	0,8	0,6	1,2	0,9	1 ~ 230	4,1	12,5	m.c.w.	8	6,6	5,1	3,4	1,6			
BIOX 350/11 XS AUT	1,2	0,9	1,7	1,3	1 ~ 230	5,8	20		9,6	8,5	7,3	6	4,5	3	1,5	



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.							WEIGHT (Kg)
	A	B	C	D	DNM	H1	H2	
BIOX 250/9 XS AUT	389	196	96	168	1"1/2 GAS	250	370	9,8
BIOX 350/11 XS AUT	419	196	96	168	2" GAS	300	400	11,2