

SUBMERSIBLE EFFLUENT VORTEX PUMP FOR DIRTY WATER - PRIOX

APPLICATIONS:

- All applications of pumping and draining effluent, civil and industrial sewage with suspended solids
- Pumping stations with one or more pumps for civil and industrial plants

MOTOR:

- Dry motor
- Level of protection IP68
- Class F insulation
- Single-phase power supply with capacitor permanently activated and thermal protection built into the motor winding
- Three-phase power supply with external protection provided by the user
- Completely insulated cable connection chamber
- Self-lubricating ball bearings
- Speed of rotation 2850rpm

USAGE LIMITATION:

- Waste water and sewage with solids
- Maximum liquid temperature 40°C
- Maximum submersion under the water level 7m
- Minimum drainage level 60mm
- Free clearance of solids: 40mm
(prioX 600/13 - 50mm)
(prioX 800/18 - 50mm)



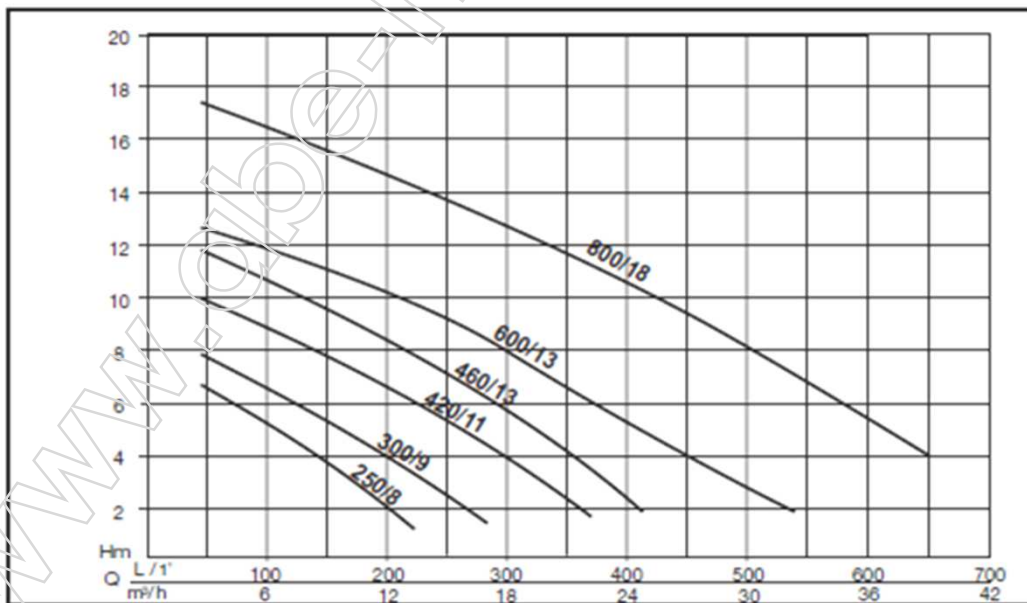
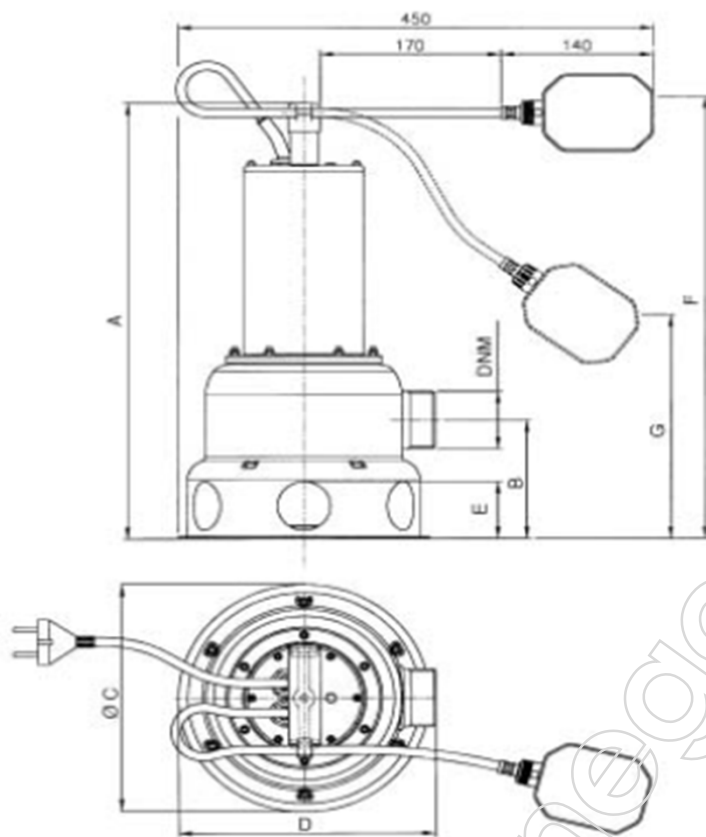
MATERIAL:

Component	Material	
Pump casing	X5 CrNi 1810 Stainless steel (AISI304)	
Suction base	X5 CrNi 1810 Stainless steel (AISI304)	
Impeller	X5 CrNi 1810 (AISI304) Cast stainless steel	
Outlet	Threaded	
Cover	Cast stainless steel (priox 800/18)	
Power cable	10 m HO7 RN-F with plug	
Motor shaft	X12 CrNiS 1809 Stainless steel (AISI 416)	
Mechanical seal	Silicum carbide	Oil chamber for seal lubrification
Counterface	Silicum carbide	
Secondary seal	NBR rubber lip seal	
V-ring sand guard	NBR rubber	

Ref. ABE	Nom.Power		Motor Power		V	A	µf	L/1'	50	100	150	200	250	300	400	500	550	600	650
	HP	KW	HP	KW															
POMP.PRIOX250-8M POMP.PRIOX250-8MA	0,75	0,5	1,1	0,8	230	3,6	14	m.c.d. / m.c.w.	6,5	5,2	3,4	2	0,2						
POMP.PRIOX300-9M POMP.PRIOX300-9MA	0,8	0,6	1,2	0,9	230	4,1	13		7,7	6,4	5	3,8	2,3	1					
POMP.PRIOX300-9T	0,8	0,6	1,2	0,9	400	1,6	-		7,7	6,4	5	3,8	2,3	1					
POMP.PRIOX420-11M POMP.PRIOX420-11MA POMP.PRIOX420-11T	1,2	0,9	1,8	1,3	230	6	20		10	9	7,8	6,3	5	3,8	1				
POMP.PRIOX460-13M POMP.PRIOX460-13MA POMP.PRIOX460-13T	1,5	1,1	2,2	1,6	230	7,5	20		12	11	9,8	8,5	7	5,5	2				
POMP.PRIOX600-13T	1,6	1,2	2,4	1,8	400	3	-		13	12	11	10	9,3	8	5,5	3	1,8		
POMP.PRIOX800-18T	3,2	2,4	4	3	400	5,5	-		17	17	16	15	14	13	11	8	6,7	5,4	4

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NOCCHI PUMPS



Model	Dimensions									Weight
	A	B	Ø C	D	E**	F*	G*	Free bore	DNM	KG
250/8	420	123	235	241	63	550	290	Ø 40	1"1/2	9,4
300/9	420	123	235	241	63	550	290	Ø 40	2"	9,6
420/11	450	123	235	241	63	580	320	Ø 40	2"	11,2
460/13	450	123	235	241	63	580	320	Ø 40	2"	11,7
600/13	450	123	235	241	63	580	320	Ø 50	2"	12,6
800/18 T	486	123	235	241	63	-	-	Ø 50	2"	20,2

* Start and stop level refer to the version equipped with float switch.

** The minimum drainage level refers to manual working.