

SUBMERSIBLE EFFLUENT VORTEX PUMPS FOR DIRTY WATER

The PRIOX series pumps are made entirely of AISI 304 stainless steel. They work completely submerged in the pumped liquid that cools the motor externally. Manufactured on the vortex operating principle with the impeller set back.

Design Features

- Stainless steel pump casing
- Suction base with stainless steel feet
- Self-cleaning cast stainless steel impeller
- 10m H07 RN-F power supply cable with plug (without plug for the three phase versions)
- Sic/Sic mechanical seal and NBR 70 rubber lip seal with special sand guard V-ring
- Oil chamber for seal lubrication
- Stainless steel shaft
- Supplied with float level switch in the AUTOMATIC versions
- Threaded 2" male connector outlet mouth (1" 1/2 model 250/8)

Motor

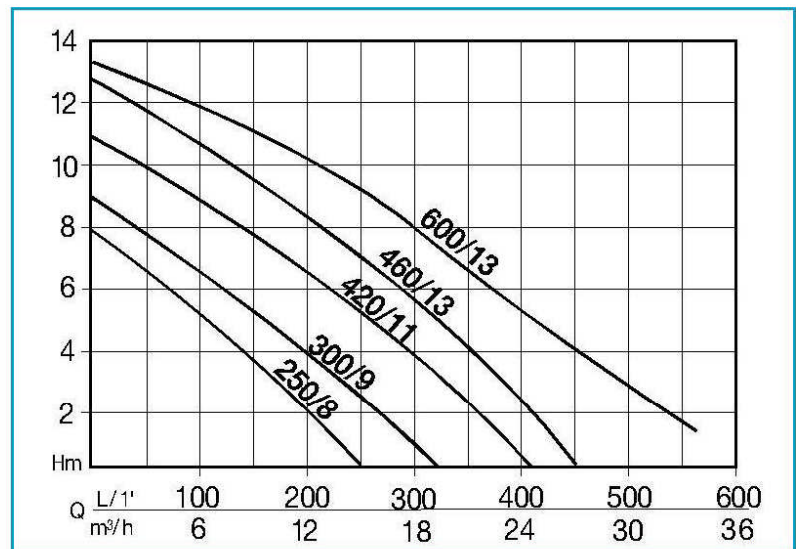
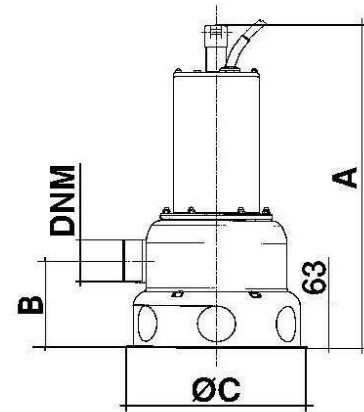
- Dry motor
- Level of protection IP 68
- Class F insulation
- Single phase power supply with capacitor permanently activated and thermal protection built into the motor winding
- Three phase power supply with external protection under care of the user (control panel on request)
- Completely insulated cable connection chamber
- Self-lubricating ball bearings
- Speed of rotation 2850 rpm

Usage Limitations

- Type of liquid: waste water and sewage with solids
- Maximum liquid temperature 40°C.
- Maximum submersion under the water level 7m
- Minimum drainage level 60 mm (manual version)
- Free clearance of solids 40 mm (PRIOX 600/13 - 50mm)

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



Model	Dimensions mm.					Weight kg
	A	B	Ø C	Free Clearance	DNM	
PRIOX 250/8	420	122,5	235	ø 40	1"1/2	9,4
PRIOX 300/9	420	122,5	235	ø 40	2"	9,6
PRIOX 420/11	450	122,5	235	ø 40	2"	11,2
PRIOX 460/13	450	122,5	235	ø 40	2"	11,7
PRIOX 600/13	450	122,5	235	ø 50	2"	12,6

CODE	MODEL	Nominal Power		Absorbed Power		VOLTAGE	Amp.	µF.	Q L/1' m³/h	50	100	150	200	250	300	400	500	550	PRICE
		HP	kW	HP	kW														
N2110100 N2110110	PRIOX 250/8 M PRIOX 250/8 M AUT	0,7	0,5	1,0	0,7	1 ~ 230 V	3,15	14,0	Discharge Head in meters	6,5	5,2	3,4	2,0	0,2					
N2110040 N2110050	PRIOX 300/9 M PRIOX 300/9 M AUT	0,8	0,6	1,2	0,9	1 ~ 230 V	4,1	12,5		7,7	6,4	5	3,8	2,3	1				
N2110090	PRIOX 300/9 T	0,8	0,6	1,2	0,6	3 ~ 400 V	1,55			7,7	6,4	5	3,8	2,3	1				
N2110020 N2110030	PRIOX 420/11 M PRIOX 420/11 M AUT	1,2	0,9	1,8	1,3	1 ~ 230 V	6	20		10	9	7,8	6,3	5	3,8	1			
N2110080	PRIOX 420/11 T	1,2	0,9	1,8	1,3	3 ~ 400 V	2,3												
N2110000 N2110010	PRIOX 460/13 M PRIOX 460/13 M AUT	1,6	1,2	2,3	1,7	1 ~ 230 V	7,5	20		11,8	10,8	9,8	8,5	7	5,5	2			
N2110070	PRIOX 460/13 T	1,6	1,2	2,3	1,7	3 ~ 400 V	2,7												
N2110060	PRIOX 600/13 T	1,8	1,3	2,5	1,8	3 ~ 400 V	3			12,8	12,2	11,3	10,3	9,3	8	5,5	3	1,8	