

NOCCHI MINIVORT P

SUBMERSIBLE VORTEX SEWAGE PUMP

The MINIVORT P pumps are made completely with cast iron and are designed for continuous use in fixed installations. Made according to the principle of vortex operation with retracted impeller. Strong and reliable.

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.
- Three-phase power supply with external protection provided by the user.
- Self-lubricating ball bearings.
- Speed of rotation 2850 rpm P2
- Speed of rotation 1450 rpm P4

APPLICATIONS

- Lifting and emptying of wastewater; civil and industrial sewage with suspended solids.
- Emptying of wells, septic tanks, handling of wastewater and sewage.
- Lifting stations with one or more pumps for industrial and civil use.

USAGE DATA

- Type of liquid: wastewater, sewage and drains
- Maximum temperature of the liquid 40°C
- Maximum immersion under the water level 7m.
- Minimum drying level 45 mm (in manual version).
- Free passage of solids 52 mm

CONSTRUCTION FEATURES

- Automatic single phase version with a float switch and an electrical panel in a watertight box including a capacitor, thermal protection and a manual/automatic switch. Power cable 10 m H07 RN-F.
- Three-phase version, power cable 10m H07 RN-F.
- Flanged outlet, with 2" female threaded square counter-flange.



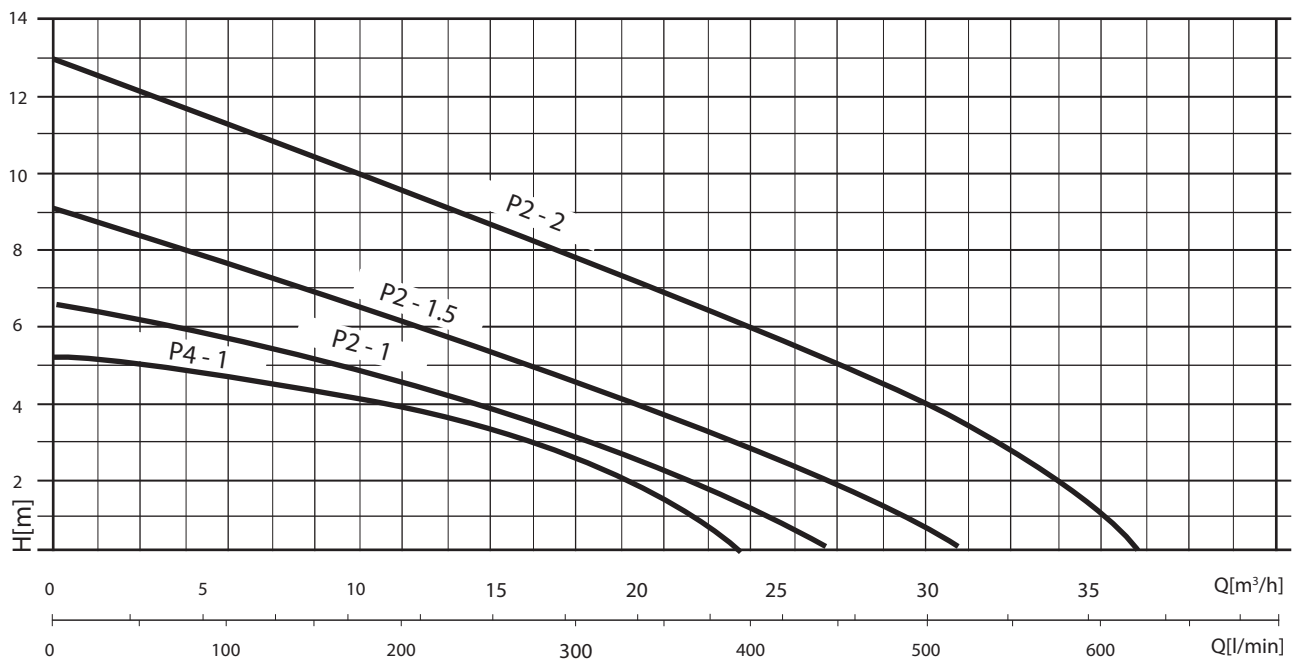
TABLE OF MATERIALS

Component		Material	
1	Pump body	Grey cast iron EN GJL 200	
2	Motor body	Grey cast iron EN GJL 200	
3	Supporting base	Grey cast iron EN GJL 200	
4	Impeller	Grey cast iron EN GJL 200	
5	Motor shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)	
6	Mechanical seal	Ceramic	Lubricated in oil chamber
7	Counterface		
8	Lip seal		

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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	200	300	400	500
	HP	kW	HP	kW					m³/h	3	6	12	18	24	30
MINIVORT P2 - 1 M MINIVORT P2 - 1 M AUT MINIVORT P2 - 1 T	1	0.75	2	1.5	1 ~ 230 1 ~ 230 3 ~ 400	6.5 6.5 2.3	20 20	m.c.a. / m.c.w.	6	5.4	4.1	3	1	0	
MINIVORT P2 - 1.5 M MINIVORT P2 - 1.5 M AUT MINIVORT P2 - 1.5 T	1.5	1.1	2.2	1.6	1 ~ 230 1 ~ 230 3 ~ 400	7 7 2.7	25 25		8.3	7.5	6.1	4.6	2.8	1	
MINIVORT P2 - 2 M MINIVORT P2 - 2 M AUT MINIVORT P2 - 2 T	2	1.5	3	2.2	1 ~ 230 1 ~ 230 3 ~ 400	9.8 9.8 3.2	35 35		12.1	11.3	9.8	8	6	3.7	
MINIVORT P4 - 1 M MINIVORT P4 - 1 M AUT MINIVORT P4 - 1 T	1	0.75	1.7	1.25	1 ~ 230 1 ~ 230 3 ~ 400	5.5 5.5 2.3	25 25		5	4.6	3.3	2.2			

MINIVORT P2 : motor 2 poles 2850 rpm

MINIVORT P4 : motor 4 poles 1450 rpm

OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.					Total weight (Kg)
	A	B	C	D	DNM	
MINIVORT P2-1	45	440	85	235	2"	27
MINIVORT P2-1.5	45	440	85	235	2"	27
MINIVORT P2-2	45	440	85	235	2"	28
MINIVORT P4-1	45	440	85	235	2"	27

