

## NOCCHI MINIVORT PP SUBMERSIBLE VORTEX SEWAGE PUMP

The MINIVORT PP 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.

### 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.

### 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.
- On request, coupling foot to facilitate installation and maintenance.

### USAGE DATA

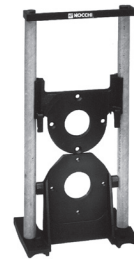
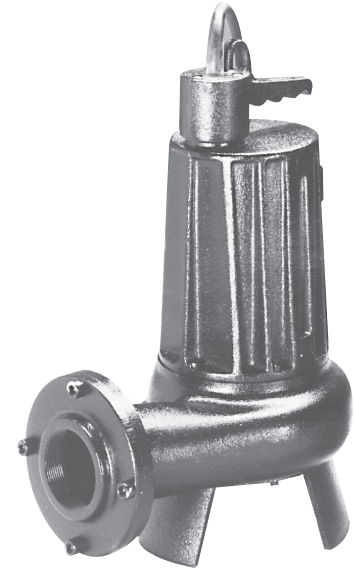
- Type of liquid: wastewater, sewage and drains
- Maximum temperature of the liquid 40°C.
- Maximum immersion under the water level 7m.
- Minimum drying level 72 mm (in manual version).
- Free passage of solids 58 mm

### 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 round counter-flange.

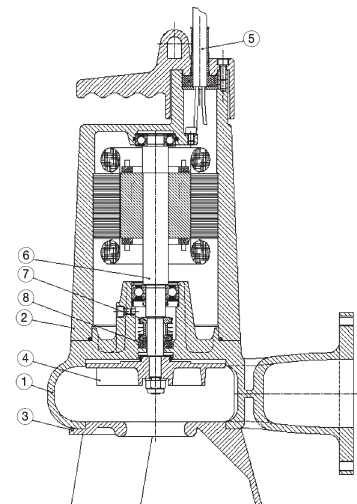
### OPTIONAL

- Cast iron coupling foot



### TABLE OF MATERIALS

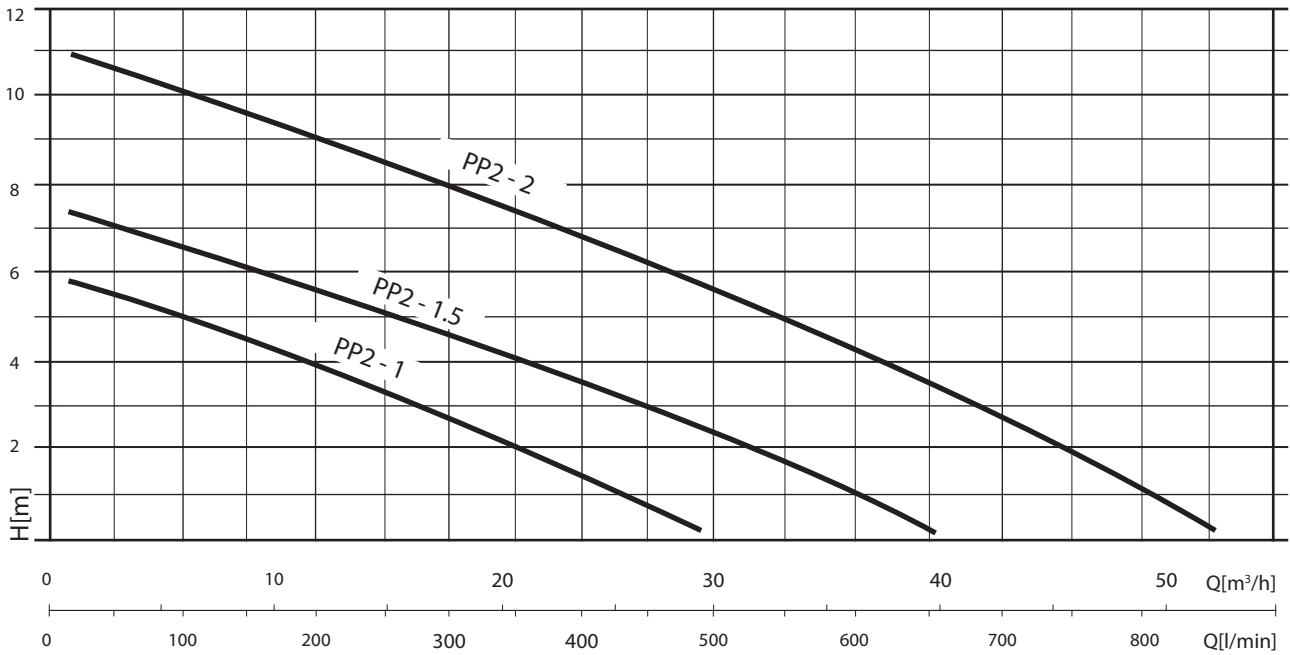
Component		Material
1	Pump body	Grey cast iron EN GJL 200
2	Motor body	Grey cast iron EN GJL 200
3	Supporting base	Grey cast iron EN GJL 200
4	Impeller	Grey cast iron EN GJL 200
5	Supply cable	10 m H07 RN-F
6	Motor shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)
7	Mechanical seal	Graphite
8	Counterface	Ceramic
9	Lip seal	Rubber NBR 70



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## SUBMERSIBLE VORTEX SEWAGE PUMP

### HYDRAULIC PERFORMANCE



MODEL	Motor power (P2)		Motor power (P1)		VOLT. (V)	In (A)	μF	Q	l/min	100	200	300	400	600	800	
	HP	kW	HP	kW					m³/h	6	12	18	24	36	48	
MINIVORT PP2 - 1 M MINIVORT PP2 - 1 M AUT* MINIVORT PP2 - 1 T	1	0.75	2	1.5	1 ~ 230 1 ~ 230 3 ~ 400	6.2 6.2 2.3	20 20	m.c.a. / m.c.w.	5	4	3	1.6				
MINIVORT PP2 - 1.5 M MINIVORT PP2 - 1.5 M AUT* MINIVORT PP2 - 1.5 T	1.6	1.2	2.5	1.8	1 ~ 230 1 ~ 230 3 ~ 400	8.2 8.2 3	25 25		6.7	5.7	4.6	3.3	1			
MINIVORT PP2 - 2 M MINIVORT PP2 - 2 M AUT* MINIVORT PP2 - 2 T	2	1.5	3	2.2	1 ~ 230 1 ~ 230 3 ~ 400	9.8 9.8 3.5	35 35		10	9.3	8.2	7	4.2	1		

### OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.					Total weight (Kg)
	A	B	C	D	DNM	
MINIVORT PP2 - 1	72	475	115	325	2 1/2"	30
MINIVORT PP2 - 1.5	72	475	115	325	2 1/2"	31
MINIVORT PP2 - 2	72	475	115	325	2 1/2"	28

