

NOCCHI OMNIA

ELECTRIC SUBMERSIBLE PUMPS FOR WASTE WATER

The pumps in the OMNIA series are constructed in 100% stainless steel AISI 304. The motor is cooled via a heat exchange chamber that enables the machine to run for long periods without being complete immersed. Hose connector $\varnothing$ 32 supplied. Automatic version (aut) equipped with float switch.

APPLICATIONS

- Lifting of domestic waste water, emptying of areas, tanks and swimming pools, industrial applications.
- Fountains and water features.
- Gravity irrigation systems.

APPLICATION DATA

- Type of liquid: waste water with solid bodies.
- Maximum liquid temperature: 40°C.
- Maximum immersion below water level: 7m.
- Minimum drainage level 35 mm (on manual version).
- Free transit of solid bodies: 20 mm.

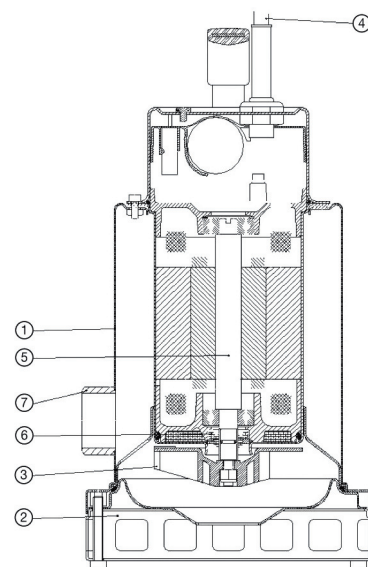


MOTOR

- Dry motor with stainless steel body.
- Protection rating IP 68.
- Insulation class F.
- Single phase power supply with permanently activated capacitor.
- Thermal cutout protection incorporated in motor winding.
- Fully insulated cable connection chamber
- Self-lubricating ball bearings.
- Rotation speed 2850 rpm.

TABLE OF MATERIALS

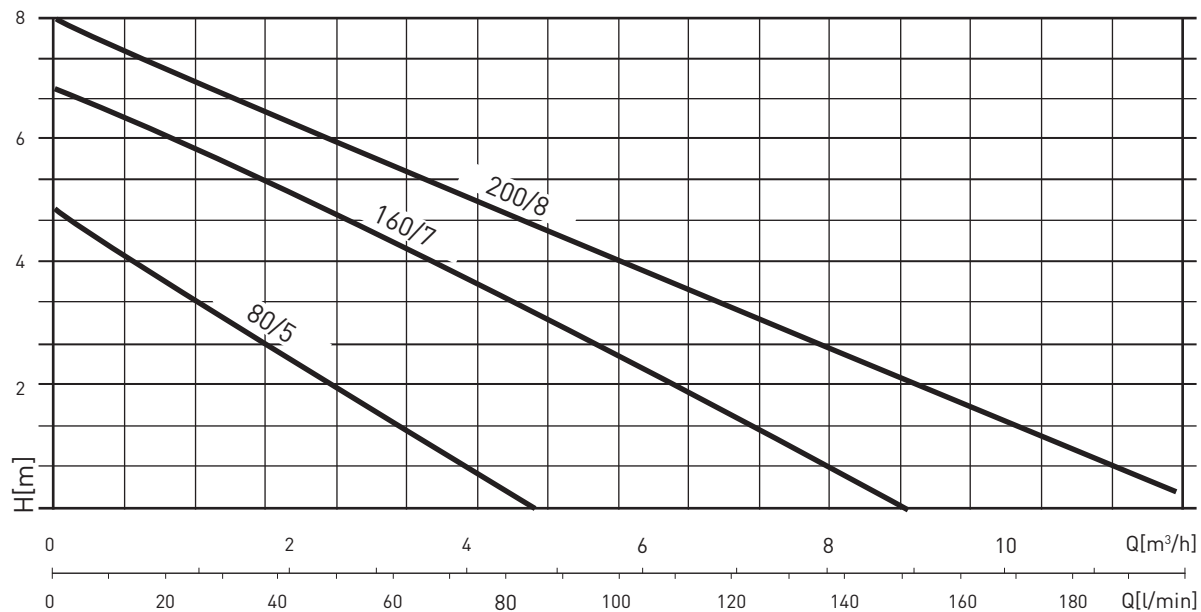
Component		Material
1	Pump body	Stainless steel X5 CrNi 1810 (AISI 304)
2	Impeller	Stainless steel X5 CrNi 1810 (AISI 304)
3	Motor body	Stainless steel X5 CrNi 1810 (AISI 304)
4	Power cable	10 m H07 RN-F with plug
5	Motor shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)
6	Seal	Double fixed seal in rubber NBR70 lubricated in oil chamber
7	Outlet port	Threaded male 1" 1/4 gas fitting



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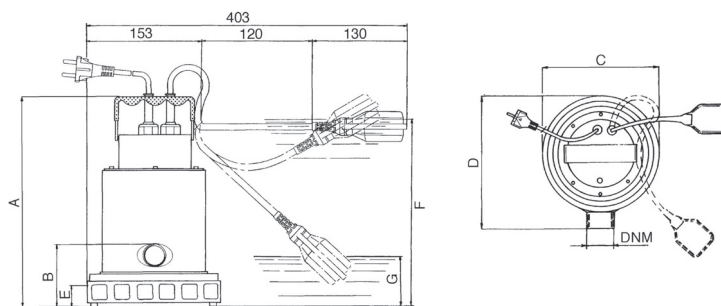
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HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

MODEL	Motor output (P2)		Power Motor (P1)		VOLT	In (A)	μF	Q	L/ min	10	40	70	100	140	200
	HP	kW	HP	kW					m³/h	0.6	2.4	4.2	6	8.4	12
OMNIA 80/5 OMNIA 80/5 AUT	0.3	0.2	0.4	0.3	1 ~ 220 - 240 V	1.4	8	m.c.a. / m.w.c.	4.1	2.7	1				
OMNIA 160/7 OMNIA 160/7 AUT	0.5	0.37	0.7	0.5	1 ~ 220 - 240 V	2.5	8		7	5.5	4	2.8	1		
OMNIA 200/8 OMNIA 200/8 AUT	0.7	0.5	1	0.75	1 ~ 220 - 240 V	3.2	8		7.8	6.3	5.4	4.1	2.7	0.5	



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions (mm)									Weight (kg)
	A	B	C	D	Min. drain level E*	Connection level F	Disconnection level G	Free clear- ance	DNM	
OMNIA 80/5	264	94	177	182	35	250	100	020	1" 1/4	6.1
OMNIA 160/7	300	94	177	182	35	320	107	020	1" 1/4	7
OMNIA 200/8	338	94	177	182	35	351	111	020	1" 1/4	8.5

* The connect/disconnect levels refer to the version with float switch. - The minimum drainage level refers to manual operating mode.