

NOCCHI DOMINATOR 5"

ELECTRIC SUBMERSIBLE MULTI-STAGE CENTRIFUGAL PUMP FOR FRESH WATER

100% STAINLESS STEEL

DOMINATOR 5" submersible pumps are ready to use and install in traditional wells, water deposits, collection tanks, fresh water courses, lakes etc. Automatic version equipped with float switch.

APPLICATIONS

- Lifting from traditional wells.
- Installations in tanks in the home for pressurization of domestic drinking water systems.
- Small automatic garden irrigation systems.
- Gravity irrigation systems.

APPLICATION DATA

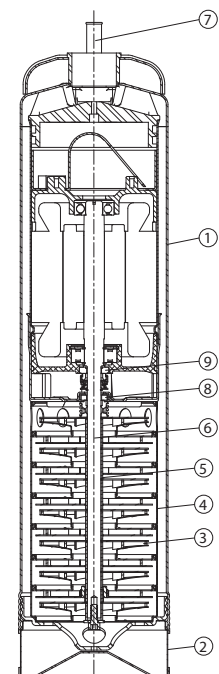
- Type of liquid: clean water without suspended solid bodies or abrasive material.
- Maximum liquid temperature: 40°C.
- Maximum immersion below water level: 17 m.

TABLE OF MATERIALS

Component		Material	
1	Pump body	Stainless steel X5 CrNi 1810 (AISI 304)	
2	suction grille	Stainless steel X5 CrNi 1810 (AISI 304)	
3	Impellers	Stainless steel X5 CrNi 1810 (AISI 304)	
4	Diffusers	Stainless steel X5 CrNi 1810 (AISI 304)	
5	Spacer	Stainless steel X5 CrNi 1810 (AISI 304)	
6	Motor shaft	Stainless steel X5 CrNi 1810 (AISI 304)	
7	Power cable	20 m H07 RN-F with plug	
8	Mechanical gasket	Graphite	Lubricated in oil chamber
9	Counterface	Aluminum oxide	

MOTOR

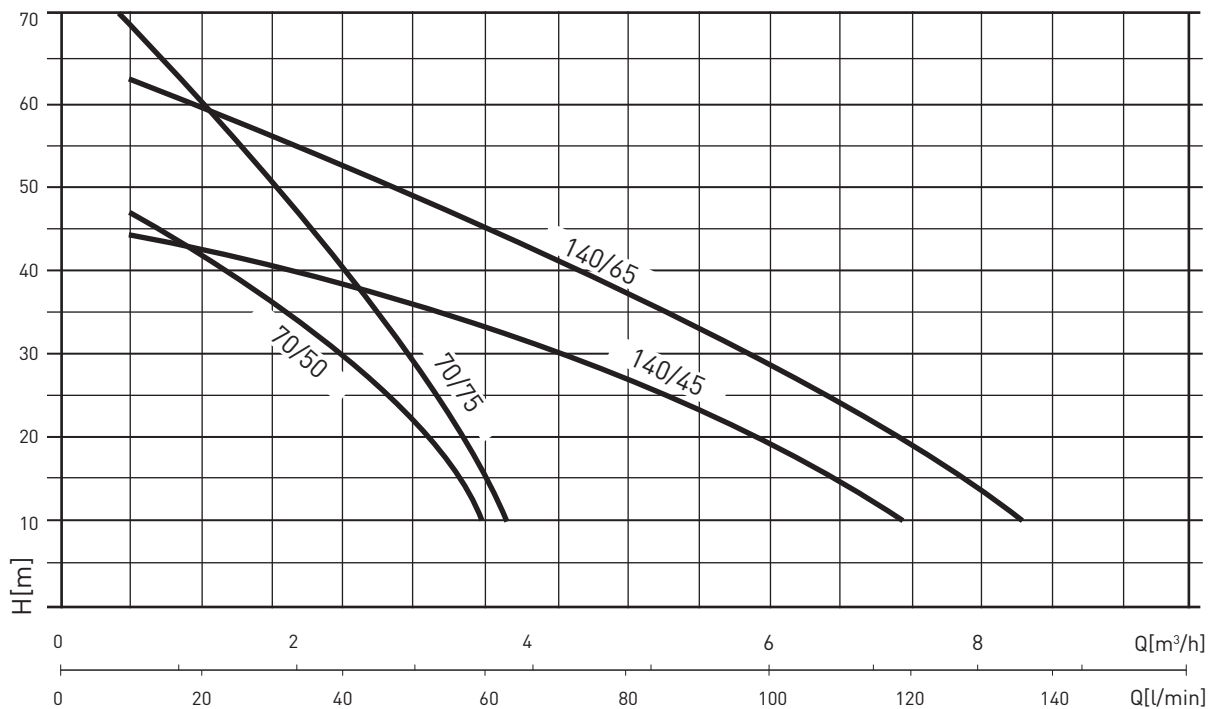
- Dry motor with stainless steel body cooled by pumped liquid.
- Protection rating IP 68.
- Insulation class F.
- Single phase power supply with permanently activated capacitor.
- Thermal cutout protection incorporated in motor winding.
- Fully insulated cable connection chamber.
- Self-lubricating ball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



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HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

MODEL	Power Motor (P2)		Power Motor (P1)		VOLT	In (A)	μF	Stages	Q	L/min m³/h	0	20	40	60	80	100	120	140
	HP	kW	HP	kW							0	1.2	2.4	3.6	4.8	6	7.2	8.4
D 5" - 70/50B M D 5" - 70/50B M AUT	0.6	0.8	1.2	0.9	1 - 230	4.5	16	6	m.c.a./m.w.c.	50.6	42.5	29.3	7.5					
D 5" - 70/50B T D 5" - 70/50B T					3 - 400 V 3 - 230 V	1.8 3												
D 5" - 70/75B M D 5" - 70/75B M AUT	1.2	0.9	2	1.45	1 - 230	6	20	9		75	60.7	41.4	17.2					
D 5" - 70/75B T D 5" - 70/75B T					3 - 400 V 3 - 230 V	2.1 3.7												
D 5" - 140/45B M D 5" - 140/45B M AUT	1.1	0.8	1.8	1.3	1 - 230	5.5	16	5		44	42	38.4	33.3	28	21.8	15.2	7.4	
D 5" - 140/45B T D 5" - 140/45B T					3 - 400 V 3 - 230 V	2 3.5												
D 5" - 140/65B M D 5" - 140/65B M AUT	1.5	1.1	2.3	1.7	1 - 230	7.2	20	7		62	57	51	45	38	27.9	18.2	9	
D 5" - 140/65B T D 5" - 140/65B T					3 - 400 V 3 - 230 V	2.5 4.4												

OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions (mm)				Weight (kg)
	A	Ø C	Free clearance	DNM	
D 5" - 70/50	475	132	2 mm	1"1/4	13.7
D 5" - 70/75	530	132	2 mm	1"1/4	15.5
D 5" - 140/45	495	132	2 mm	1"1/4	14.2
D 5" - 140/65	550	132	2 mm	1"1/4	15.8

