

NOCCHI DOMINATOR 4"

ELECTRIC SUBMERSIBLE MULTI-STAGE CENTRIFUGAL PUMP FOR FRESH WATER Ø 4"

HYDRAULIC SYSTEM PARTICULARLY RESISTANT TO SAND CORROSION, INCORPORATED CHECK VALVE, INCORPORATED CAPACITOR

NEW

DOMINATOR 4" submersible pumps are ready to use and install in traditional wells, water deposits, collection tanks, fresh water courses, lakes etc. Supplied with nylon suspension cord (20 m).

- Maximum liquid temperature: 40°C.
- Maximum immersion below water level: 17 m.

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.

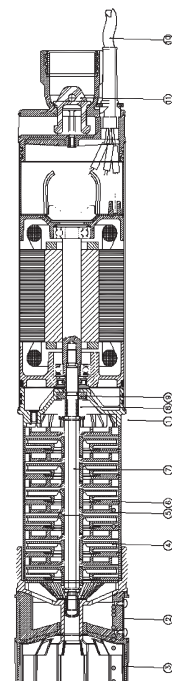
MOTOR

- 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.



TABLE OF MATERIALS

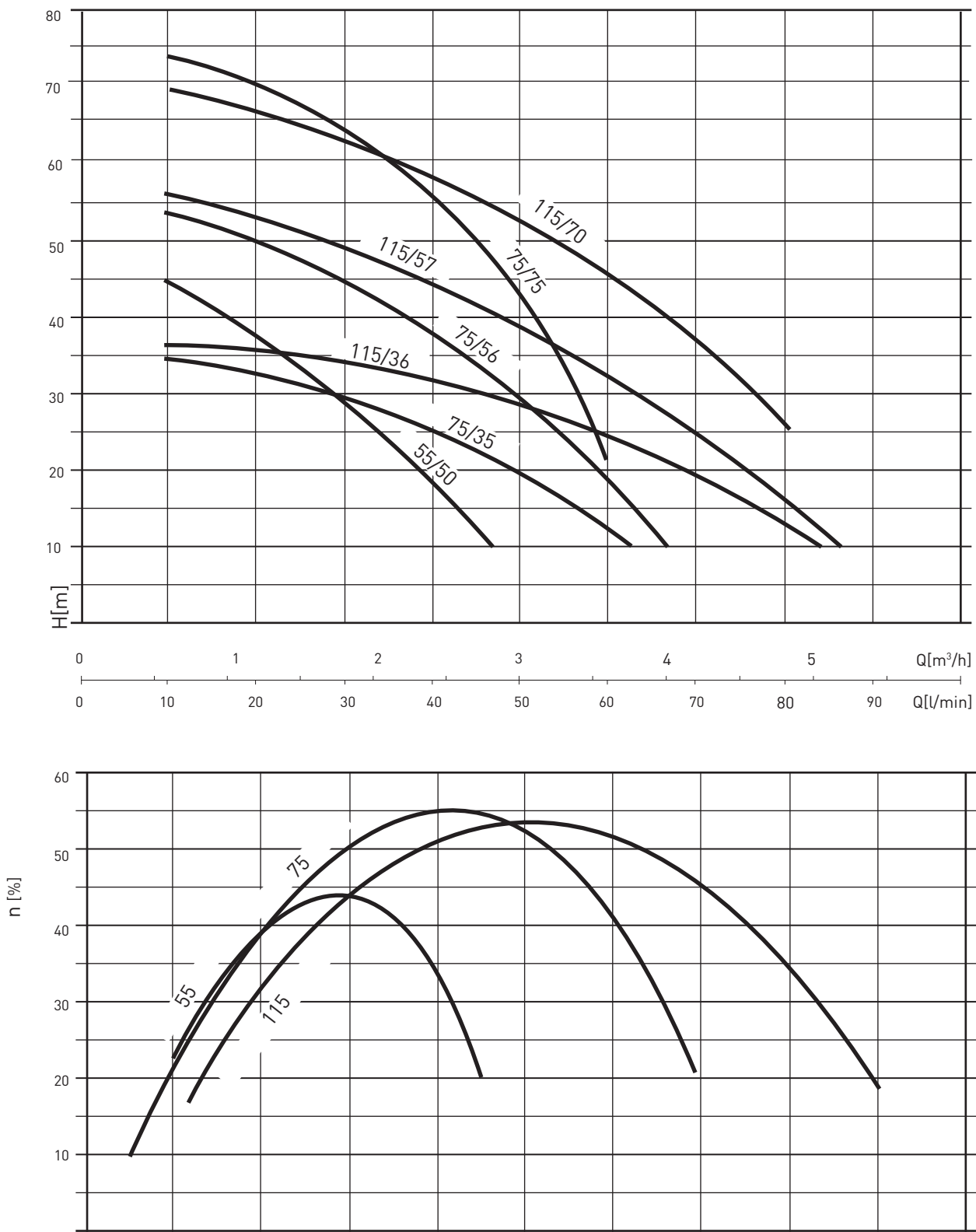
Component		Material
1	Pump body	Stainless steel X5 CrNi 1810 (AISI 304)
2	suction grille	Stainless steel X 16 CrNi 16 (AISI 431)
3	Base	Noryl GNF 2V
4	Impellers	Acetal resin
5	Diffusers	Polycarbonate with ceramic insert at point of wear
6	Diffuser cap	Polycarbonate with stainless steel inserts at point of wear
7	Motor shaft	Hexagonal in stainless steel X 10 CrNiS 1809 (AISI 303) with ceramic coating at point of wear + AISI 416 on shaft section packed in the rotor
8	Mechanical gasket	Graphite
9	Counterface	Aluminum oxide
10	Power cable	20 m H07 RNF-F
11	Check valve	Integrated - Plastic
12	Head	Noryl with 1" 1/4 threaded insert
-	Thrust ring inserted in each stage	



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HYDRAULIC PERFORMANCE



MEI ≥ 0.1 - MEI reference ≥ 0.70 - The reference efficiency information is available on the website: www.europump.org/efficiencycharts

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PERFORMANCE TABLE

MODEL	Motor output (P2)		Power Motor (P1)		VOLT	In (A)	µF	Stages	Q	L/min	0	20	40	60	80
	HP	kW	HP	kW						m³/h	0	1.2	2.4	3.6	4.8
DOMINATOR 4" - 55/50 M	0.75	0.56	1.1	0.8	1 ~ 220 - 240 V	3.8	16	6	m.c.a. / m.w.c.	50	38.7	17			
DOMINATOR 4" - 75/35 M	0.50	0.35	0.80	0.60	1 ~ 220 - 240 V	3	12.5	5		35	33	26	11		
DOMINATOR 4" - 75/56 M	0.80	0.60	1	0.75	1 ~ 220 - 240 V	3.3	16	8		56	48.9	38.1	19		
DOMINATOR 4" - 75/75 M	0.95	0.7	1.5	1.1	1 ~ 230 - 240 V	5	20	11		75	70	53	21.6		
DOMINATOR 4" - 115/36 M	0.55	0.40	1	0.75	1 ~ 220 - 240 V	3.5	12.5	5		36	35	32	25	13	
DOMINATOR 4" - 115/57 M	1	0.8	1.50	1.10	1 ~ 220 - 240 V	5	16	8		57	52	44.4	31.5	16.6	
DOMINATOR 4" - 115/70 M	1.1	0.8	1.8	1.3	1 ~ 230 - 240 V	6	20	10		70	65	59	45.4	27	



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions (mm)				Weight (kg)
	A	Ø C	Free clear- ance	DNM	
DOMINATOR 4" - 55/50	549	98	2 mm	1"1/4	10.4
DOMINATOR 4" - 75/35	560	98	2 mm	1"1/4	10.2
DOMINATOR 4" - 75/56	643	98	2 mm	1"1/4	10.8
DOMINATOR 4" - 75/75	760	98	2 mm	1"1/4	12.5
DOMINATOR 4" - 115/36	560	98	2 mm	1"1/4	10.2
DOMINATOR 4" - 115/57	643	98	2 mm	1"1/4	10.8
DOMINATOR 4" - 115/70	732	98	2 mm	1"1/4	12.5