

# 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.

### 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.



### APPLICATIONS

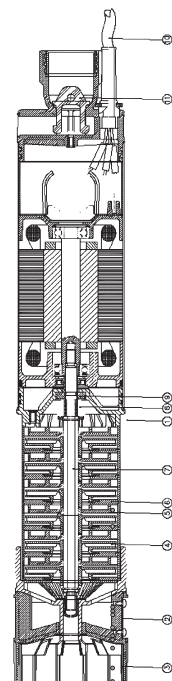
- Lifting from traditional wells.
- Installations in tanks in the home for pressurization of domestic drinking water systems.
- Small automatic garden irrigation systems.
- Gravity irrigation systems.

### APPLICATION DATA

- Type of liquid: clean water without suspended solid bodies or abrasive material.

### TABLE OF MATERIALS

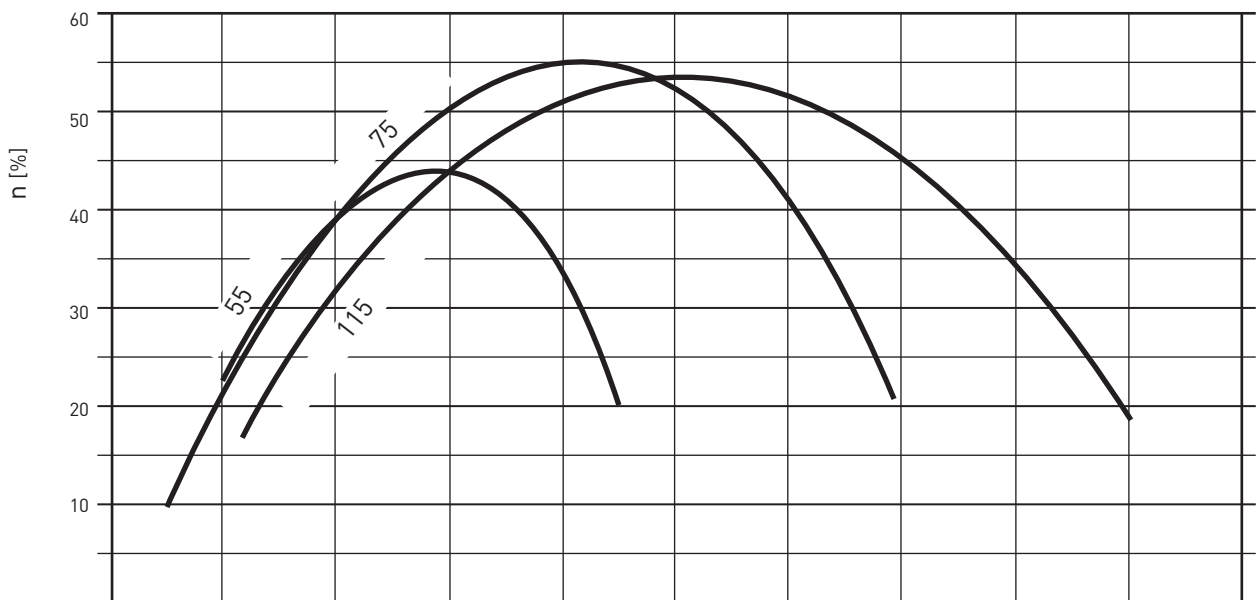
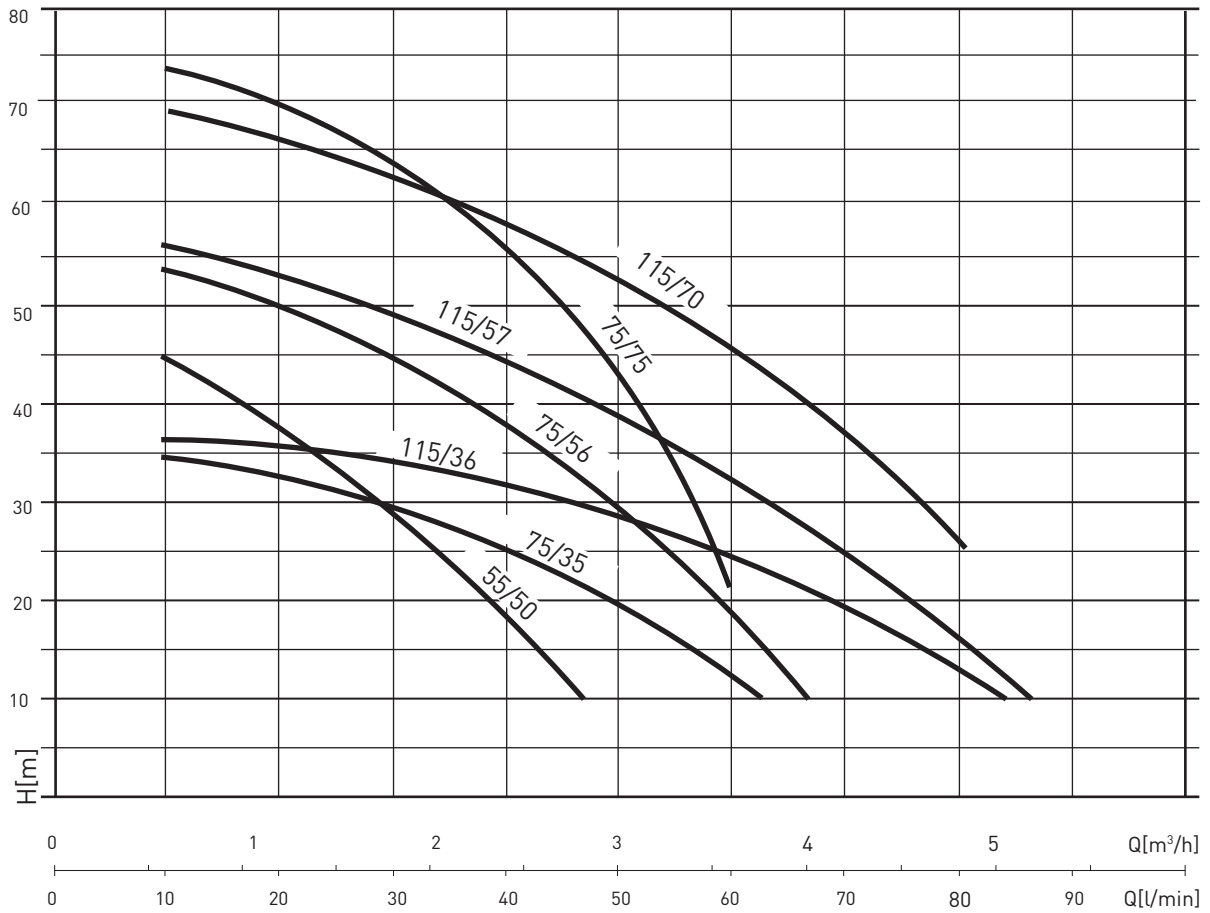
Component	Material
1 Pump body	Stainless steel X5 CrNi 1810 (AISI 304)
2 suction grille	Stainless steel X 16 CrNi 16 (AISI 431)
3 Base	Noryl GNF 2V
4 Impellers	Acetal resin
5 Diffusers	Polycarbonate with ceramic insert at point of wear
6 Diffuser cap	Polycarbonate with stainless steel inserts at point 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



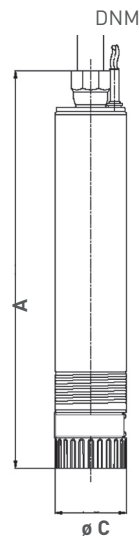
MEI  $\geq$  0.1 - MEI reference  $\geq$  0.70 - The reference efficiency information is available on the website: [www.europump.org/efficiencycharts](http://www.europump.org/efficiencycharts)

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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 clearance	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