

## NOCCHI DOMINATOR 4 PLUS

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



DOUBLE MECHANICAL SEAL, HYDRAULIC SYSTEM PARTICULARLY RESISTANT TO SAND CORROSION, INTEGRATED CHECK VALVE

DOMINATOR 4 PLUS submersible pumps with double mechanical seal 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).

### APPLICATIONS

- Lifting from traditional wells.
- Installations in tanks in the home for pressurization 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.

### MOTOR

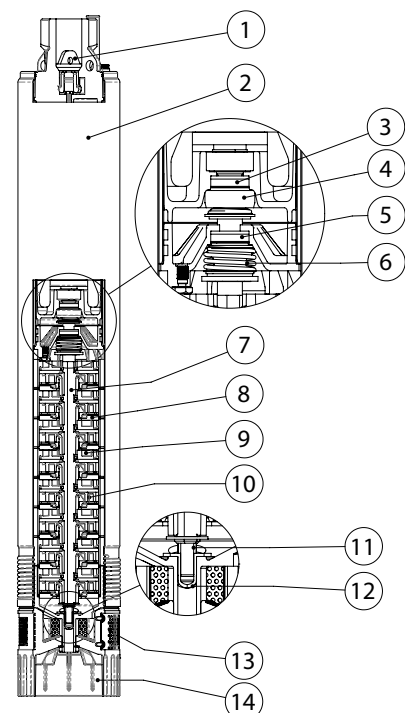
- Dry motor with stainless steel body cooled by pumped liquid.
- Protection rating IP 68.
- Insulation class F.
- Single phase power supply with permanently activated capacitor.
- Thermal cutout protection incorporated in motor winding.
- Fully insulated cable connection chamber.
- Self-lubricating ball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

**NEWS 2015**  
PENTAIR



### TABLE OF MATERIALS

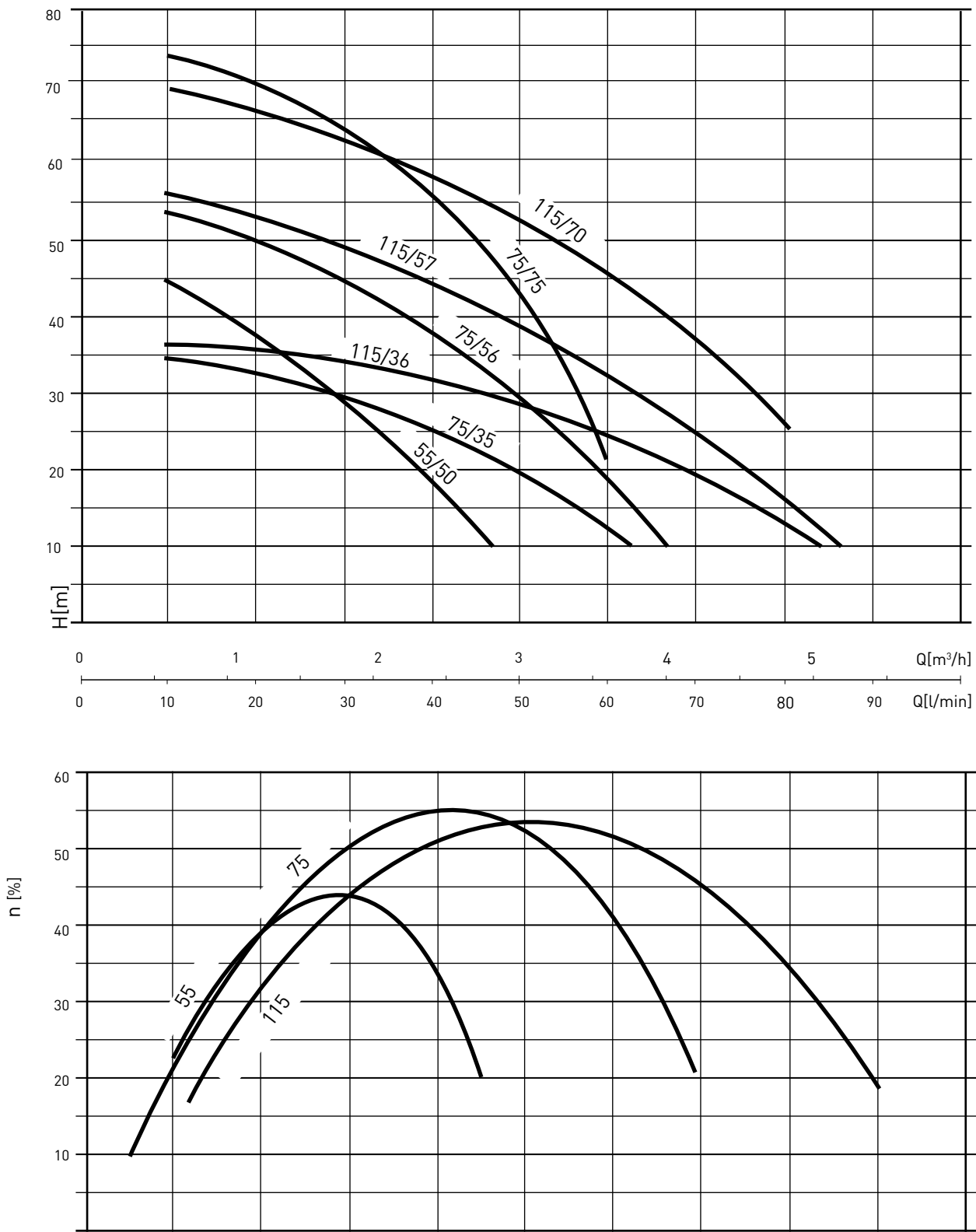
| Componente                                      | Materiale                                                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 1 Check valve                                   | Thermoplastic with NBR o-ring - integrated                                                                       |
| 2 Pump body                                     | Stainless steel<br>Europe: EN10088-1 X 5 CrNi 1810 (1.4301) Usa: AISI 304                                        |
| 3 Mechanical seal - stationary part oil chamber | Aluminium oxide / NBR                                                                                            |
| 4 Mechanical seal - rotary part oil chamber     | Stainless steel Europe: EN10088-1 X 5 CrNi 1810 (1.4301) Usa: AISI 304 / NBR / Carbon graphite resin impregnated |
| 5 Mechanical seal - stationary part             | Aluminium oxide / NBR                                                                                            |
| 6 Mechanical seal - rotary part                 | Stainless steel Europe: EN10088-1 X 2 CrNiMo 17-12-2 (1.4404) USA: AISI 316 / NBR / Carbon graphite              |
| 7 Motor shaft                                   | Wet side - Europe: EN10088-1 X 8 CrNiS 18-9 (1.4305) USA: AISI 303 / Motor side - carbon steel                   |
| 8 Diffuser cap                                  | Polycarbonate with stainless steel wear insert<br>Europe: EN10088-1 X 5 CrNi 1810 Usa: AISI 304 (1.4301)         |
| 9 Diffuser                                      | Polycarbonate with ceramic wear insert                                                                           |
| 10 Impeller                                     | Acetal resin                                                                                                     |
| 11 Bushing                                      | Stainless steel Europe: EN10088-1 X 8 CrNiS 18-9 (1.4305) USA: AISI 303 with ceramic coating                     |
| 12 Bearing                                      | Self lubricating Nylatron®                                                                                       |
| 13 Suction filter                               | Stainless steel Europe: EN10088-1 X 6 Cr 17 (1.4016) USA: AISI 430                                               |
| 14 Base                                         | PPQ - Noryl™ GFN 2                                                                                               |
| - Power cable                                   | Type H07 RN-F - length 20 m                                                                                      |
| Thrust ring inserted in each stage              |                                                                                                                  |



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## HYDRAULIC PERFORMANCE



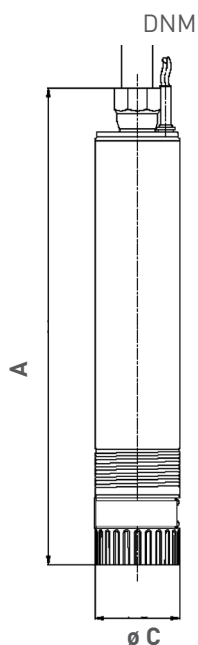
MEI ≥ 0,4 - MEI reference ≥ 0,70 - The reference efficiency information is available on the website: [www.europump.org/efficiencycharts](http://www.europump.org/efficiencycharts)

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

PERFORMANCE TABLE

| MODEL                     | Motor output (P2) |      | Power Motor (P1) |      | VOLTAGE (V) | 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 PLUS 55/50 M  | 0.75              | 0.56 | 1.1              | 0.8  | 1 ~ 230     | 3.8    | 16   | 6      | m.c.a. / m.w.c. | 50    | 38.7 | 17   |      |      |     |
| DOMINATOR 4 PLUS 75/35 M  | 0.50              | 0.35 | 0.80             | 0.60 | 1 ~ 230     | 3      | 12.5 | 5      |                 | 35    | 33   | 26   | 11   |      |     |
| DOMINATOR 4 PLUS 75/56 M  | 0.80              | 0.60 | 1                | 0.75 | 1 ~ 230     | 3.3    | 16   | 8      |                 | 56    | 48.9 | 38.1 | 19   |      |     |
| DOMINATOR 4 PLUS 75/75 M  | 0.95              | 0.7  | 1.5              | 1.1  | 1 ~ 230     | 5      | 20   | 11     |                 | 75    | 70   | 53   | 21.6 |      |     |
| DOMINATOR 4 PLUS 115/36 M | 0.55              | 0.40 | 1                | 0.75 | 1 ~ 230     | 3.5    | 12.5 | 5      |                 | 36    | 35   | 32   | 25   | 13   |     |
| DOMINATOR 4 PLUS 115/57 M | 1                 | 0.8  | 1.50             | 1.10 | 1 ~ 230     | 5      | 16   | 8      |                 | 57    | 52   | 44.4 | 31.5 | 16.6 |     |
| DOMINATOR 4 PLUS 115/70 M | 1.1               | 0.8  | 1.8              | 1.3  | 1 ~ 230     | 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 PLUS 55/50 M  | 549             | 98  | 2 mm           | 1"1/4 | 10.4        |
| DOMINATOR 4 PLUS 75/35 M  | 560             | 98  | 2 mm           | 1"1/4 | 10.2        |
| DOMINATOR 4 PLUS 75/56 M  | 643             | 98  | 2 mm           | 1"1/4 | 10.8        |
| DOMINATOR 4 PLUS 75/75 M  | 760             | 98  | 2 mm           | 1"1/4 | 12.5        |
| DOMINATOR 4 PLUS 115/36 M | 560             | 98  | 2 mm           | 1"1/4 | 10.2        |
| DOMINATOR 4 PLUS 115/57 M | 643             | 98  | 2 mm           | 1"1/4 | 10.8        |
| DOMINATOR 4 PLUS 115/70 M | 732             | 98  | 2 mm           | 1"1/4 | 12.5        |