

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

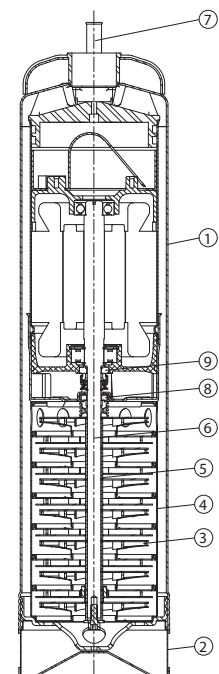
- Type of liquid: clean water without suspended solid bodies or abrasive material.
- Maximum liquid temperature: 40°C.
- Maximum immersion below water level: 17 m.

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

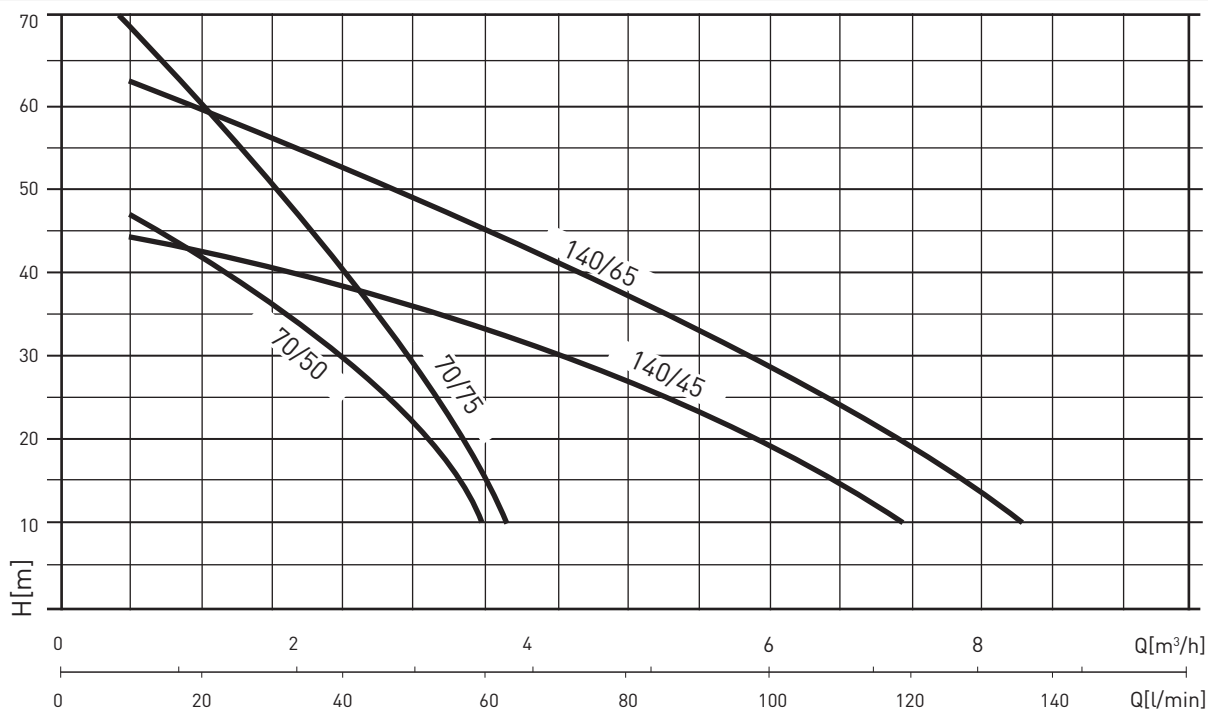
- Dry motor with stainless steel body cooled by pumped liquid.
- Protection rating IP 68.
- Insulation class F.
- Single phase power supply with permanently activated capacitor.
- Thermal cutout protection incorporated in motor winding.
- Fully insulated cable connection chamber.
- Self-lubricating ball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

