

## NOCCHI DRENOX

### ELECTRIC SUBMERSIBLE PUMP FOR FRESH WATER DRAINAGE

The pumps in the DRENOX series are constructed in 100% stainless steel AISI 304. The motor is cooled via a heat exchange chamber that enables the machine to run for long periods without being complete immersed. Hose bend connector Ø 32 mm supplied. Automatic version (aut) equipped with float switch.

#### MOTOR

- Dry motor with stainless steel body.
- Protection rating IP 68.
- Insulation class F.
- Single phase power supply with permanently activated capacitor and thermal cutout protection incorporated in the motor winding.
- Three phase power supply with external protection to be fitted by the user.
- Fully insulated cable connection chamber.
- Self-lubricating ball bearings.
- Rotation speed 2850 rpm.

#### APPLICATIONS

- Drainage of infiltration water, lifting of rainwater, from grilles or drains, lifting of domestic waste water, emptying of areas, tanks and swimming pools, industrial applications.
- Fountains and water features.
- Gravity irrigation systems.

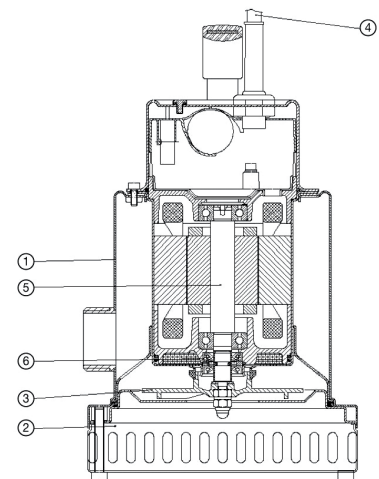
#### APPLICATION DATA

- Type of liquid: clear partially loaded or contaminated water, non-aggressive liquids.
- Maximum liquid temperature: 40°C.
- Maximum immersion below water level: 7 m.
- Minimum drainage level 3 mm for model 80/7, and 35 mm for remaining models (on manual version).
- Free transit of solid bodies 3 mm for model 80/7, and 6 mm for remaining models.



#### TABLE OF MATERIALS

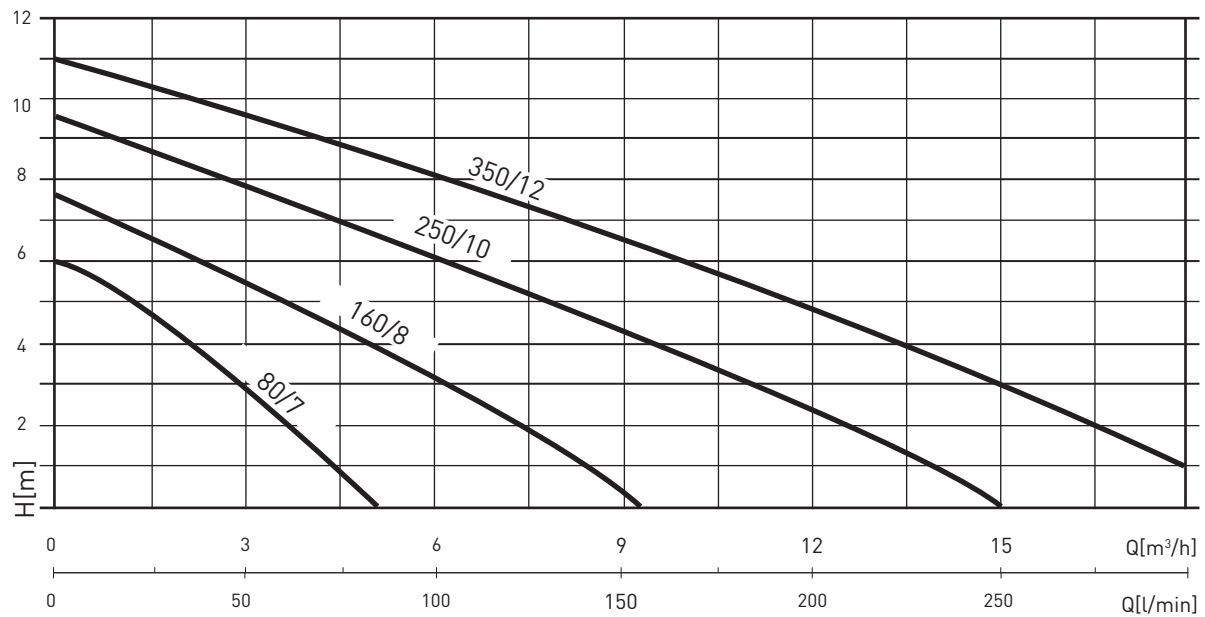
| Component |                   | Material                                                                                    |
|-----------|-------------------|---------------------------------------------------------------------------------------------|
| 1         | Pump body         | Stainless steel X5 CrNi 1810 (AISI 304)                                                     |
| 2         | Suction grille    | Stainless steel X5 CrNi 1810 (AISI 304)                                                     |
| 3         | Impeller          | Cast stainless steel X5 CrNi 1810 (AISI 304)                                                |
| 4         | Motor body        | Stainless steel X 8 CrNi 18-10 (AISI 304)                                                   |
| 5         | Power cable       | 10 m H07 RN-F with plug                                                                     |
| 6         | Motor shaft       | Stainless steel with ceramic coating at points of wear on seal                              |
| 7         | Mechanical gasket | Double fixed seal in rubber NBR70 with special sand-proof V-ring. Lubricated in oil chamber |



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### HYDRAULIC PERFORMANCE



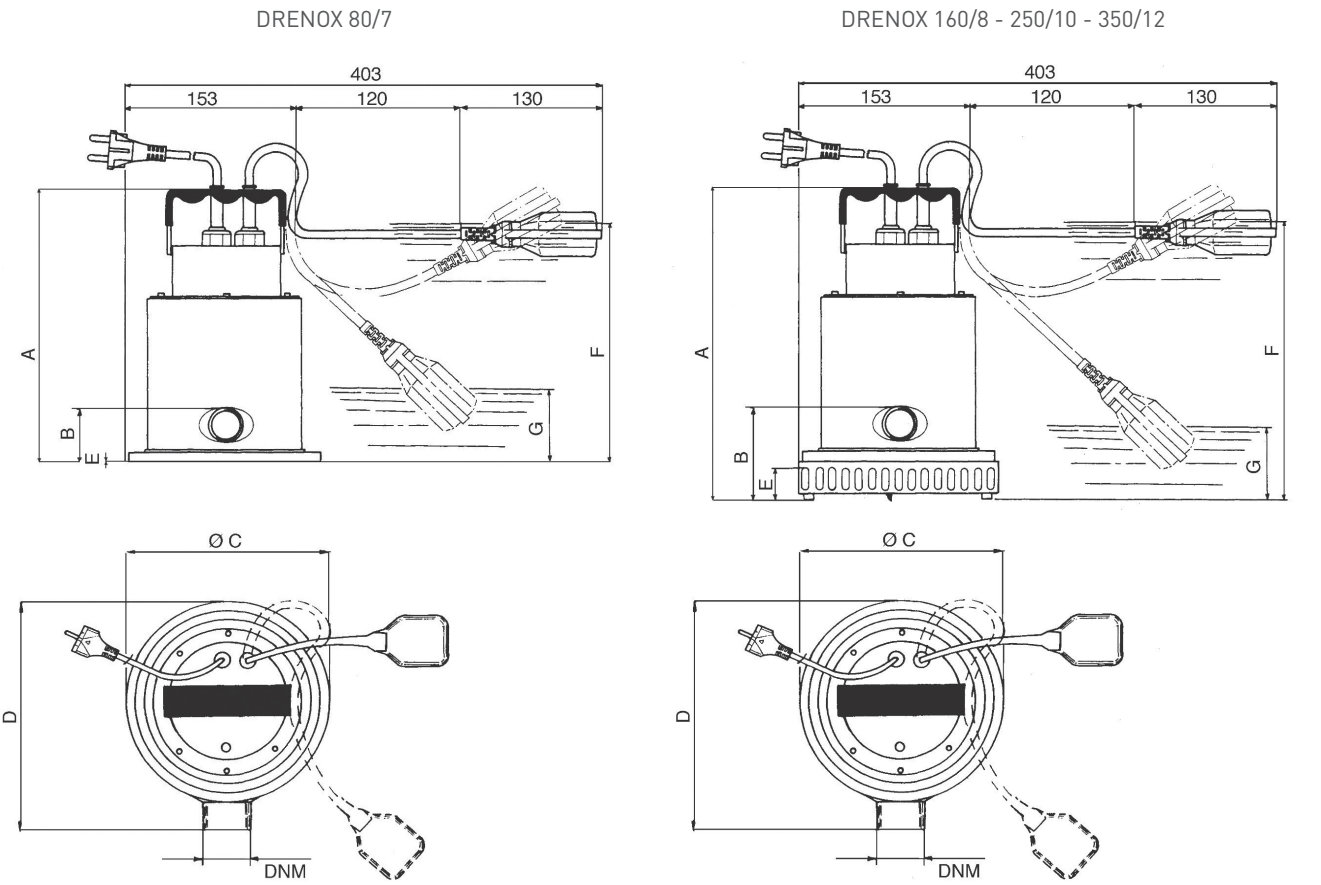
| MODEL                              | Motor output (P2) |      | Power Motor (P1) |      | VOLT            | In (A) | μF  | Q               | L/min | 10  | 40  | 60  | 80  | 120 | 160 | 240  | 300 |
|------------------------------------|-------------------|------|------------------|------|-----------------|--------|-----|-----------------|-------|-----|-----|-----|-----|-----|-----|------|-----|
|                                    | HP                | kW   | HP               | kW   |                 |        |     |                 | m³/h  | 0.6 | 2.4 | 3.6 | 4.8 | 7.2 | 9.6 | 14.4 | 300 |
| DRENOX 80/7<br>DRENOX 80/7 AUT     | 0.3               | 0.2  | 0.4              | 0.3  | 1 ~ 220 - 240 V | 1.3    | 6.3 | m.c.a. / m.w.c. | 5.4   | 3.3 | 1.8 |     |     |     |     |      |     |
| DRENOX 160/8<br>DRENOX 160/8 AUT   | 0.55              | 0.40 | 0.75             | 0.55 | 1 ~ 220 - 240 V | 2.4    | 8   |                 | 7     | 5.8 | 5   | 4.1 | 2.2 |     |     |      |     |
| DRENOX 250/10<br>DRENOX 250/10 AUT | 0.75              | 0.55 | 1.2              | 0.9  | 1 ~ 220 - 240 V | 4.5    | 10  |                 | 9.4   | 8.5 | 7.6 | 7.2 | 5.1 | 4.0 | 1   |      |     |
| DRENOX 350/12<br>DRENOX 350/12 AUT | 1.1               | 0.8  | 1.6              | 1.2  | 1 ~ 220 - 240 V | 5.1    | 16  |                 | 10.5  | 10  | 9.5 | 9   | 7.7 | 6.5 | 3.4 | 1    |     |
| DRENOX 350/12 T                    | 1.1               | 0.8  | 1.6              | 1.2  | 3 ~ 400 V       | 2      |     |                 | 10.5  | 10  | 9.5 | 9   | 7.7 | 6.5 | 3.4 | 1    |     |

Automatic version equipped with float switch.

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## ELECTRIC SUBMERSIBLE PUMP FOR FRESH WATER DRAINAGE

### HYDRAULIC PERFORMANCE



### OVERALL DIMENSIONS AND WEIGHTS

| MODEL       | Dimensions (mm) |    |     |     |                        |                          |                               |                     |        | Weight (kg) |
|-------------|-----------------|----|-----|-----|------------------------|--------------------------|-------------------------------|---------------------|--------|-------------|
|             | A               | B  | C   | D   | Min. drain level<br>E* | Connection<br>level<br>F | Disconnec-<br>tion level<br>G | Free clear-<br>ance | DNM    |             |
| DRENOX 80/7 | 231             | 61 | 177 | 182 | 3                      | 250                      | 100                           | 03                  | 1" 1/4 | 5.7         |

\* The connect/disconnect levels refer to the version with float switch - The minimum drainage level refers to manual operating mode

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|               | A               | B  | C   | D   | Min. drain level<br>E* | Connection<br>level<br>F | Disconnec-<br>tion level<br>G | Free clear-<br>ance | DNM    |             |
| DRENOX 160/8  | 300             | 94 | 177 | 182 | 35                     | 320                      | 107                           | 06                  | 1" 1/4 | 6.5         |
| DRENOX 250/10 | 338             | 94 | 177 | 182 | 35                     | 351                      | 111                           | 06                  | 1" 1/4 | 7           |
| DRENOX 350/12 | 338             | 94 | 177 | 182 | 35                     | 351                      | 111                           | 06                  | 1" 1/4 | 8.5         |

\* The connect/disconnect levels refer to the version with float switch. - The minimum drainage level refers to manual operating mode.