

## Submersible drainage pumps



Automatic single-phase version with float switch

### Description

Single-phase pump, submersible for drainage.

Protection rating IP68.

Free passage solid bodies:

- 50 Ø 8 mm
- 100 Ø 10 mm
- 200 Ø 11 mm
- 300 Ø 11 mm

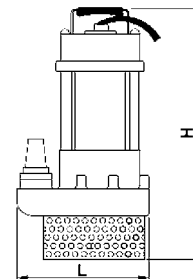
Class F insulated motors

### Applications

- Slushy water, waste water without solids
- Drainage application, flood control
- Dewatering of ponds and basements

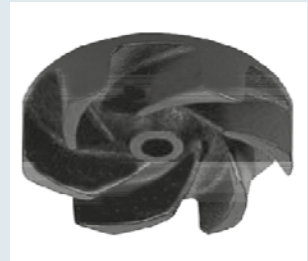
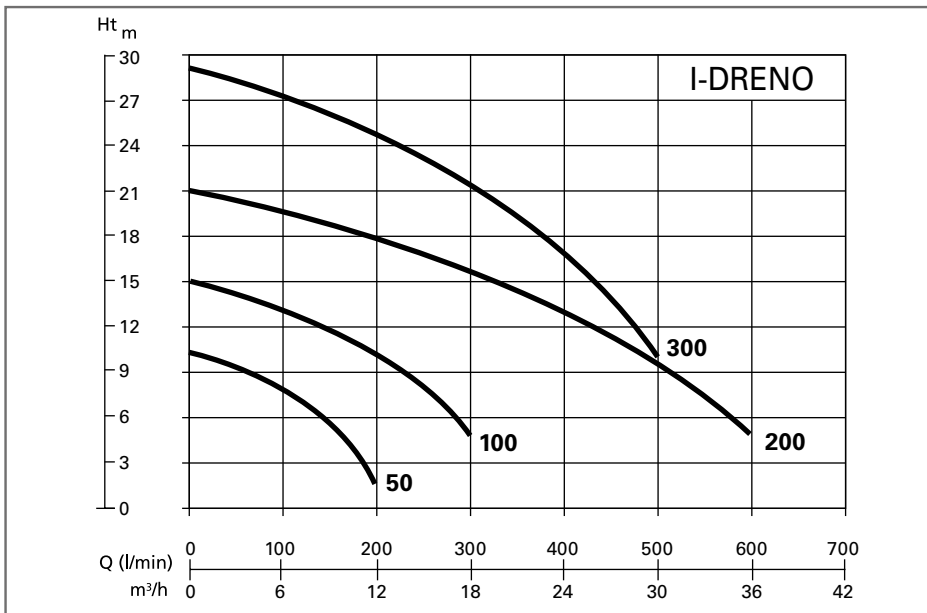
### Materials

- Volute, impeller, upper cover and body pump in grey iron.
- Motor body in Stainless Steel AISI 304
- Motor shaft in Stainless Steel AISI 410
- Double mechanical seal: Carbon/Ceramic-SiC/SiC
- Class F insulated motors



|           | Code          | P <sub>2</sub> Nom. |      | 1 ~ 50Hz Amp. |       | 3 ~ 50Hz Amp. |                | Q (lt/m) Flow |      |      |      |      |     | Dimensions mm |     | DNM | Wgt. kg |
|-----------|---------------|---------------------|------|---------------|-------|---------------|----------------|---------------|------|------|------|------|-----|---------------|-----|-----|---------|
|           |               | kW                  | Hp   | 230 V         | 230 V | 400 V         | 100            | 150           | 200  | 300  | 400  | 500  | 600 | L             | H   |     |         |
|           |               |                     |      |               |       |               | Total Hm in CA |               |      |      |      |      |     |               |     |     |         |
| 1-PH      | I-DRENO50     | 0,37                | 0,50 | 3,5           | -     | -             | 8,3            | 5,5           | 2,2  | -    | -    | -    | -   | 230           | 355 | 50  | 15      |
|           | I-DRENO100    | 0,75                | 1    | 6             | -     | -             | 12,5           | 11            | 9,4  | 5,5  | -    | -    | -   | 277           | 440 | 50  | 19      |
|           | I-DRENO200    | 1,5                 | 2    | 10            | -     | -             | 19,9           | 18            | 17   | 14,8 | 12,2 | 9,2  | 6   | 412           | 569 | 80  | 44      |
|           | I-DRENO300    | 2,2                 | 3    | 15            | -     | -             | 27             | 26            | 24,5 | 21,2 | 16,6 | 10,5 | -   | 412           | 572 | 80  | 46      |
| AUTO 1-PH | I-DRENO50AUT  | 0,37                | 0,50 | 3,5           | -     | -             | 8,3            | 5,5           | 2,2  | -    | -    | -    | -   | 230           | 355 | 50  | 15      |
|           | I-DRENO100AUT | 0,75                | 1    | 6             | -     | -             | 12,5           | 11            | 9,4  | 5,5  | -    | -    | -   | 277           | 440 | 50  | 19      |
|           | I-DRENO200AUT | 1,5                 | 2    | 10            | -     | -             | 19,9           | 18            | 17   | 14,8 | 12,2 | 9,2  | 6   | 412           | 569 | 80  | 44      |
|           | I-DRENO300AUT | 2,2                 | 3    | 15            | -     | -             | 27             | 26            | 24,5 | 21,2 | 16,6 | 10,5 | -   | 412           | 572 | 80  | 46      |
| 3-PH      | I-DRENO50T    | 0,37                | 0,50 | -             | 1,8   | 1,2           | 8,3            | 5,5           | 2,2  | -    | -    | -    | -   | 230           | 355 | 50  | 15      |
|           | I-DRENO100T   | 0,75                | 1    | -             | 3,0   | 2,2           | 12,5           | 11            | 9,4  | 5,5  | -    | -    | -   | 277           | 440 | 50  | 19      |
|           | I-DRENO200T   | 1,5                 | 2    | -             | 4,8   | 4,2           | 19,9           | 18            | 17   | 14,8 | 12,2 | 9,2  | 6   | 412           | 470 | 80  | 44      |
|           | I-DRENO300T   | 2,2                 | 3    | -             | 7,0   | 6,2           | 27             | 26            | 24,5 | 21,2 | 16,6 | 10,5 | -   | 412           | 493 | 80  | 46      |

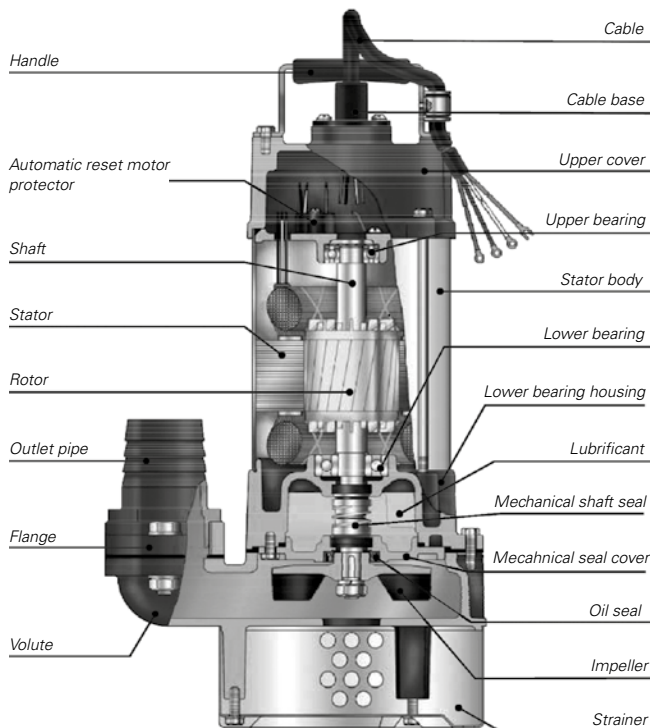
## Curves and performance $\eta = 2900$ 1/min



Impeller



Thermal protection



Float switch