

# DAB Pump DIG 1100 - 1500 - 1800 - 2200

## HEAVY DRAINAGE PUMPS



**HEAVY DREDGING ABRASIVE CLEAN AND GREY WATER**

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Submersible electric pumps particularly suitable for the removal of drainage water in construction sites, open mines or quarries. Thanks to their rugged construction and reliability, these pumps can be used with harsh and abrasive liquids containing solids with maximum dimensions of up to 6 mm.

**Open impeller in CRA2 650 HB high-chromium cast iron, outer sleeve in AISI 304 stainless steel, double mechanical seal in silicon carbide/silicon carbide on pump side and carbon/alumina on motor side. Suction screen in AISI 304 stainless steel.** Dry-type asynchronous sealed motor, cooled by the pumped liquid. Rotor mounted on oversized greased sealed-for-life double ball bearings to ensure silent running and long life. Integral capacitor in single-phase versions. Thermal and overcurrent protection are the responsibility of the user. Constructed in compliance with CEI 2-3CEI 61-69 (EN 60335-2-41).

**Motor protection level:** IP 68.

**Insulation class:** F.

Continuous duty, with completely immersed pump. Facility for operation also with partially immersed pump. The single-phase version can be equipped with float switch for automatic starting and stopping of the pump. Supplied as standard with 10 mt H07RN-F power cable. Can be supplied on request with special tear-proof cable featuring internal reinforcement with steel core.

**Operating range:** from 6 to 54 m<sup>3</sup>/h with head up to 20 mt.

**Liquid quality requirements:** Liquid temperature range: from 0° to 35°.

**Maximum immersion depth:** 10 mt.

**Installation:** fixed or portable in vertical position.

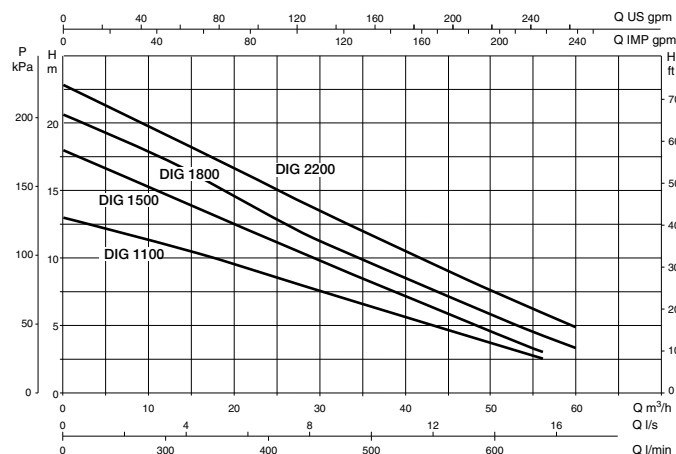
**Free passage through the suction grid:** 6 mm.



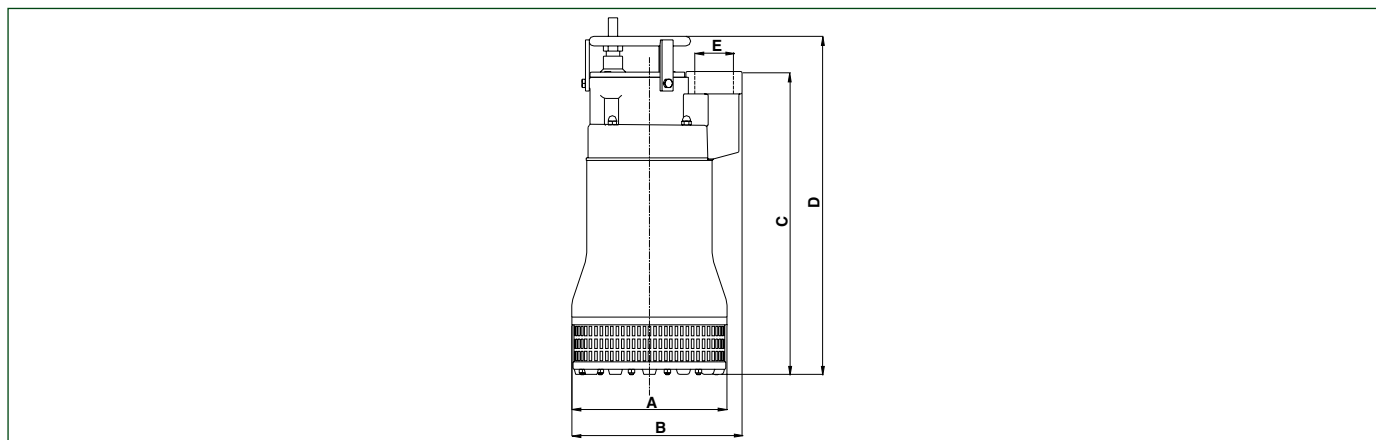
## TECHNICAL DATA

| MODEL         | CODE     | ELECTRICAL DATA  |              |                  |     |         |           |     |
|---------------|----------|------------------|--------------|------------------|-----|---------|-----------|-----|
|               |          | VOLTAGE<br>50 HZ | P1 MAX<br>kW | P2 NOMINAL<br>kW | HP  | In<br>A | CAPACITOR |     |
| DIG 1100 MA   | 60141687 | 1X230 V~         | 1,7          | 1,1              | 1,5 | 7,8     | 25        | 450 |
| DIG 1100 M-NA | 60141688 | 1X230 V~         | 1,7          | 1,1              | 1,5 | 7,8     | 25        | 450 |
| DIG 1100 T-NA | 60141689 | 3X400 V~         | 1,7          | 1,1              | 1,5 | 3       | -         | -   |
| DIG 1500 T-NA | 60141690 | 3X400 V~         | 2,4          | 1,5              | 2   | 4,3     | -         | -   |
| DIG 1800 T-NA | 60141691 | 3X400 V~         | 3,2          | 1,8              | 2,4 | 5,3     | -         | -   |
| DIG 2200 T-NA | 60141692 | 3X400 V~         | 3,7          | 2,2              | 3   | 6,4     | -         | -   |

A= automatic with float NA= non automatic without float



## DIMENSIONS AND WEIGHTS



| MODEL         | A   | B   | C   | D   | E - DN     | FREE PASSAGE mm | Q.TY X PALLET | WEIGHT KG |
|---------------|-----|-----|-----|-----|------------|-----------------|---------------|-----------|
| DIG 1100 MA   | 250 | 270 | 480 | 530 | 2 1/2" - F | 6               | 8             | 34        |
| DIG 1100 M-NA |     |     |     |     |            |                 |               | 34        |
| DIG 1100 T-NA |     |     |     |     |            |                 |               | 34        |
| DIG 1500 T-NA |     |     |     |     |            |                 |               | 35        |
| DIG 1800 T-NA |     |     |     |     |            |                 |               | 36        |
| DIG 2200 T-NA |     |     |     |     |            |                 |               | 37        |



DAB PUMPS reserves the right to make modifications without notice