



Drainage pumps with set-back Vortex type impeller for pumping charged waters and liquids with suspended solids; ideal for civil and household applications. The single-phase version includes a built-in capacitor, a thermal protector and it can be equipped with a float switch.



Grey water



Black water

## Construction features

**Pump body** stainless steel with openings 1" ½ and 2"

**Shell, motor cover, base support** stainless steel



**Impeller** stainless steel Vortex type

**Mechanical seal** double seal with oil barrier: silicon carbide on pump side, sealing ring on motor side

**Motor shaft** stainless steel AISI 430

**Free passage** Ø max 28 mm

**Max submergence** 5 m

**Liquid temperature** 0 - 40 °C

**Cable** H07 RN8F, 10 m

**G** float switch

## Motor

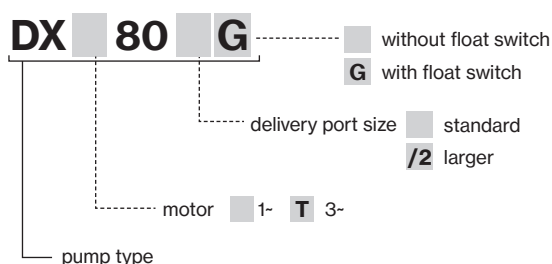
3~ 400V - 50Hz

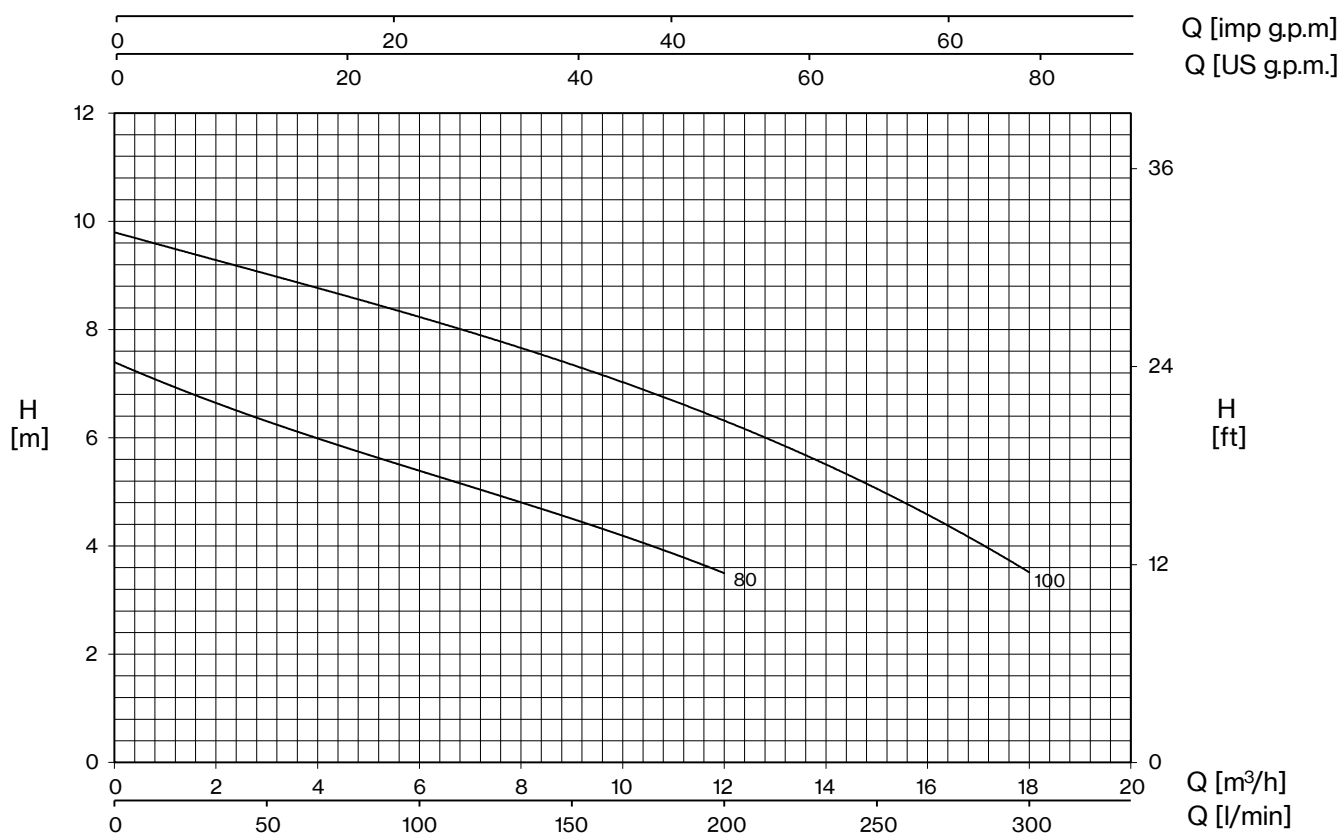
**2 poles induction motor** 1~ 230V - 50Hz  
(with thermal protection)

**Insulation class** F

**Protection degree** IPX8

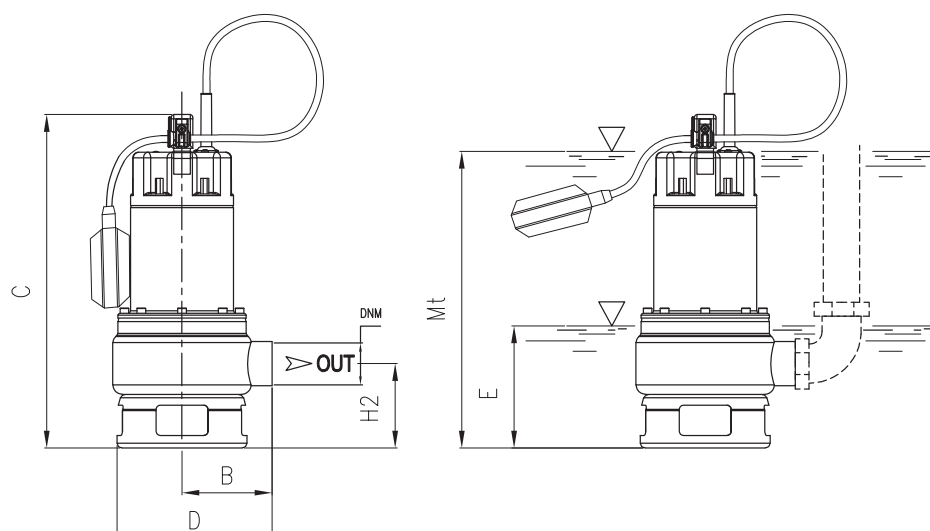
| TYPE | LOTS        |          |             |          |
|------|-------------|----------|-------------|----------|
|      | TRUCK       |          | CONTAINER   |          |
|      | PALLET (cm) | N° pumps | PALLET (cm) | N° pumps |
| DX   | 80×120×145  | 48       | 80×120×190  | 76       |





| TYPE - 50 Hz |           | P1   | CURRENT    |            | Q (m³/h - l/min) |     |     |     |     |     |     |
|--------------|-----------|------|------------|------------|------------------|-----|-----|-----|-----|-----|-----|
| 1~           | 3~        |      | 1~<br>230V | 3~<br>400V | 0                | 3   | 6   | 9   | 12  | 15  | 18  |
|              |           |      |            |            | 0                | 50  | 100 | 150 | 200 | 250 | 300 |
|              |           | kW   | A          |            | H (m)            |     |     |     |     |     |     |
| DX 80 (G)    | DXT 80    | 1,05 | 4,7        | 2,2        | 7,4              | 6,3 | 5,4 | 4,5 | 3,5 |     |     |
| DX 80/2 (G)  | DXT 80/2  | 1,05 | 4,7        | 2,2        | 7,4              | 6,3 | 5,4 | 4,5 | 3,5 |     |     |
| DX 100 (G)   | DXT 100   | 1,35 | 6,2        | 2,8        | 9,8              | 9,0 | 8,3 | 7,3 | 6,3 | 5,1 | 3,5 |
| DX 100/2 (G) | DXT 100/2 | 1,35 | 6,2        | 2,8        | 9,8              | 9,0 | 8,3 | 7,3 | 6,3 | 5,1 | 3,5 |

E: maximum emptying level  
Mt: minimum liquid level for  
continuos duty



| TYPE         |           | DIMENSIONS (mm) |       |     |     |     |     |        |  |     |     | Kg   |
|--------------|-----------|-----------------|-------|-----|-----|-----|-----|--------|---------------------------------------------------------------------------------------|-----|-----|------|
| 1~           | 3~        | B               | C     | D   | E   | H2  | Mt  | DNM    | I                                                                                     | L   | M   |      |
| DX 80 (G)    | DXT 80    | 104             | 409,5 | 189 | 125 | 112 | 280 | 1" ½ G | 250                                                                                   | 183 | 448 | 10,5 |
| DX 80/2 (G)  | DXT 80/2  | 108             | 409,5 | 193 | 125 | 112 | 280 | 2" G   | 250                                                                                   | 183 | 448 | 10,5 |
| DX 100 (G)   | DXT 100   | 104             | 409,5 | 189 | 125 | 112 | 280 | 1" ½ G | 250                                                                                   | 183 | 448 | 12   |
| DX 100/2 (G) | DXT 100/2 | 108             | 409,5 | 193 | 125 | 112 | 280 | 2" G   | 250                                                                                   | 183 | 448 | 12   |