

# DG Series

Submersible Pumps | Drainage & Vortex Submersibles



 **Made in Italy**  
by Pentax Pumps

## Application

The DG Series are drainage pumps, equipped with a set-back Vortex type impeller. They are designed to handle sewage water and liquids with suspended solids, making them perfect for both residential and commercial applications. The single-phase model includes a built-in capacitor, a thermal protector, and the option for a float switch.

## Specification

- Pump body: Cast iron
- Shell, motor cover, base support: Stainless steel
- Impeller: Vortex stainless steel
- Mechanical seal: Double seal with oil barrier pump side with silicon carbide
- Motor shaft: Stainless steel AISI 430
- Free passage:
  - Ø max 35mm
  - Ø max 50mm
- Depth immersion: 5m
- Liquid temperature: 0-40 °C
- Cable length: 10m
- Float switch: G
- 2 Poles induction motor
- Insulation class: F
- Protection degree: IPX8

## Features

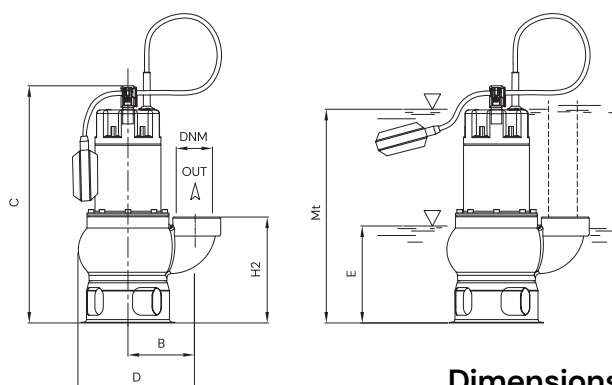
- Thermal overload protection
- 2 year warranty



**DG80 / 100**  
Impeller



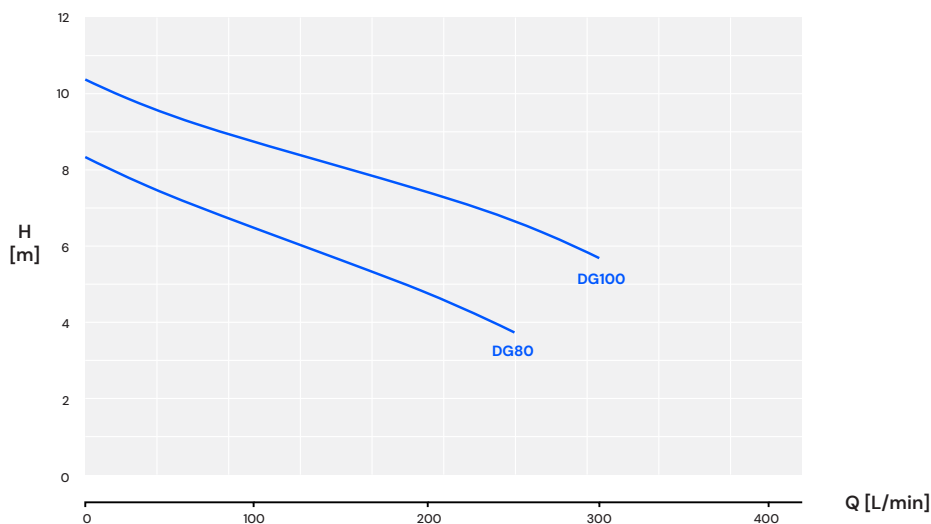
**DG150**  
Impeller



**Dimensions**

| Model           | Dimensions (mm) |     |       |     |     |     |     | Kg   |
|-----------------|-----------------|-----|-------|-----|-----|-----|-----|------|
|                 | B               | C   | D     | E   | H2  | Mt  | DNM |      |
| <b>DG80-1A</b>  | 110             | 410 | 230   | 140 | 174 | 290 | 32  | 13.5 |
| <b>DG100-1</b>  | 110             | 410 | 230   | 140 | 174 | 290 | 32  | 15.5 |
| <b>DG100-1A</b> | 110             | 410 | 230   | 140 | 174 | 290 | 32  | 15.5 |
| <b>DG150-1</b>  | 142.5           | 461 | 247.5 | 185 | 170 | 390 | 50  | 19   |
| <b>DG150-1A</b> | 142.5           | 461 | 247.5 | 185 | 170 | 390 | 50  | 19   |

## Performance DG80 / 100

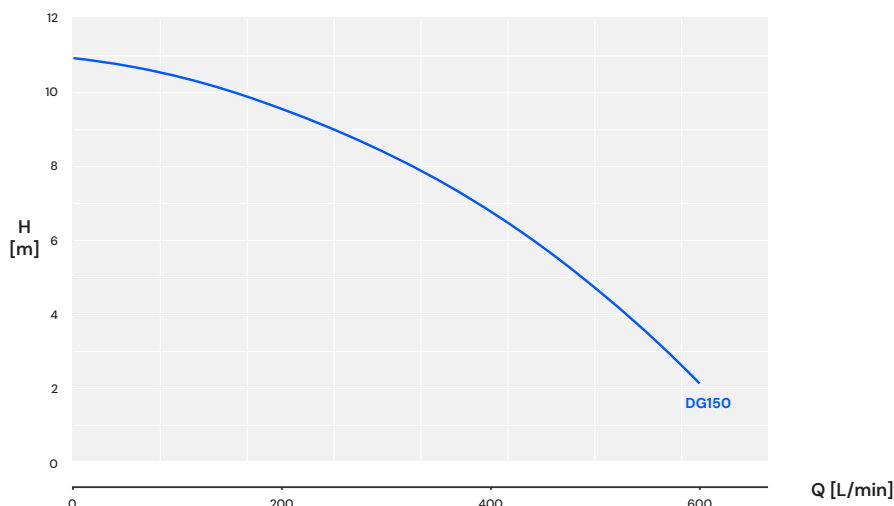


## Technical Data

| Model    | Volts | Power (kW) | Amps (A) | Max. FLOW (L/min) | Max. HEAD (m) | Outlet (mm) | Cable Length (m) |
|----------|-------|------------|----------|-------------------|---------------|-------------|------------------|
| DG80-1A  | 240   | 1.05       | 4.7      | 250               | 7.4           | 32          | 10               |
| DG100-1  | 240   | 1.35       | 6.2      | 300               | 10.4          | 32          | 10               |
| DG100-1A | 240   | 1.35       | 6.2      | 300               | 10.4          | 32          | 10               |

| Model        | Q (m³/h - l/min) |     |     |     |     |     |     |     |     |
|--------------|------------------|-----|-----|-----|-----|-----|-----|-----|-----|
|              | 0                | 50  | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
| 1 Phase      | H (m)            |     |     |     |     |     |     |     |     |
| DG80-1 / 1A  | 8.3              | 7.4 | 6.4 | 5.6 | 4.8 | 3.7 | -   | -   | -   |
| DG100-1 / 1A | 10.4             | 9.4 | 8.7 | 8.1 | 7.4 | 6.6 | 5.7 | -   | -   |

## Performance DG150



## Technical Data

| Model    | Volts | Power (kW) | Amps (A) | Max. FLOW (L/min) | Max. HEAD (m) | Outlet (mm) | Cable Length (m) |
|----------|-------|------------|----------|-------------------|---------------|-------------|------------------|
| DG150-1  | 240   | 1.55       | 7.1      | 600               | 11            | 50          | 10               |
| DG150-1A | 240   | 1.55       | 7.1      | 600               | 11            | 50          | 10               |

| Model        | Q (m³/h - l/min) |      |     |     |     |     |     |
|--------------|------------------|------|-----|-----|-----|-----|-----|
|              | 0                | 100  | 200 | 300 | 400 | 500 | 600 |
| 1 Phase      | H (m)            |      |     |     |     |     |     |
| DG150-1 / 1A | 11               | 10.4 | 9.6 | 8.3 | 6.8 | 4.6 | 2.1 |

