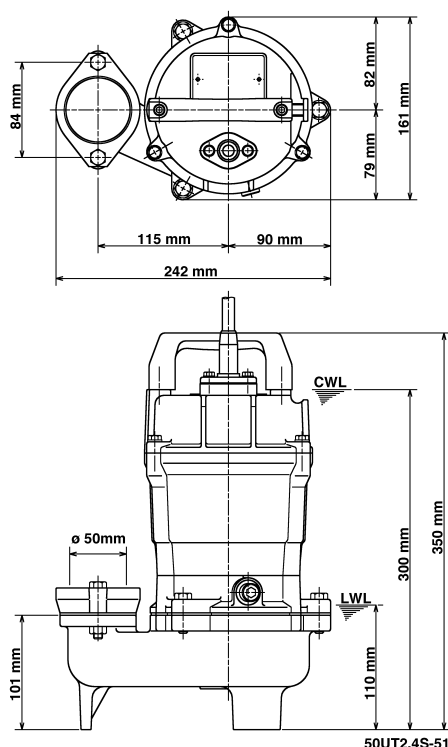
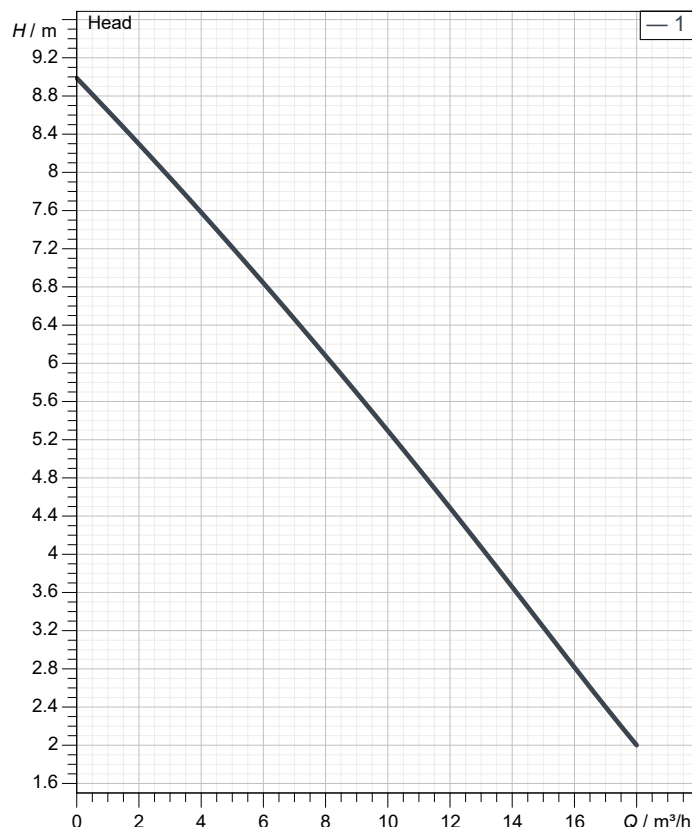


# Data sheet 50UT2.4S-51



CWL: Continuous running water level  
LWL: Lowest running water level



## Specification

Electric submersible pump UT-series  
Degree of protection IP 68  
Pressure resistance max. 10 m  
Type of impeller Vortex impeller  
Free passage 35 mm  
Suitable for:  
waste water and liquid carrying

## Electric motor

Dry-type submersible induction motor  
Insulation class E 2Poles 2705 1/min  
Starting mode  
Rated voltage 230 V 50 Hz 1~  
Power uptake 0.65 kW  
Rated power 0.40 kW  
Rated current 2.8 A  
Start current 6.2 A

## Cable

10m H07RN8-F 3Cx1mm²

## Motor Protection

Circle thermal protector  
(snap-action bi-metal device)

## Shaft seal

Double inside mechanical seal in oil bath  
additional lubrication by oil lifting device  
Primary seal  
Silicon carbide on ceramic  
Secondary seal  
Ceramic on carbon

## Bearings

Shielded ball bearings, maintenance-free

## Materials

|             |                    |
|-------------|--------------------|
| Impeller    | PPO-GF20           |
| Pump casing | FC200 (EN-GJL-200) |
| Motor Frame | FC200 (EN-GJL-200) |
| Shaft       | SUS403 (EN-X6Cr13) |

## Discharge size

2" (50mm) screwed-in mating flange

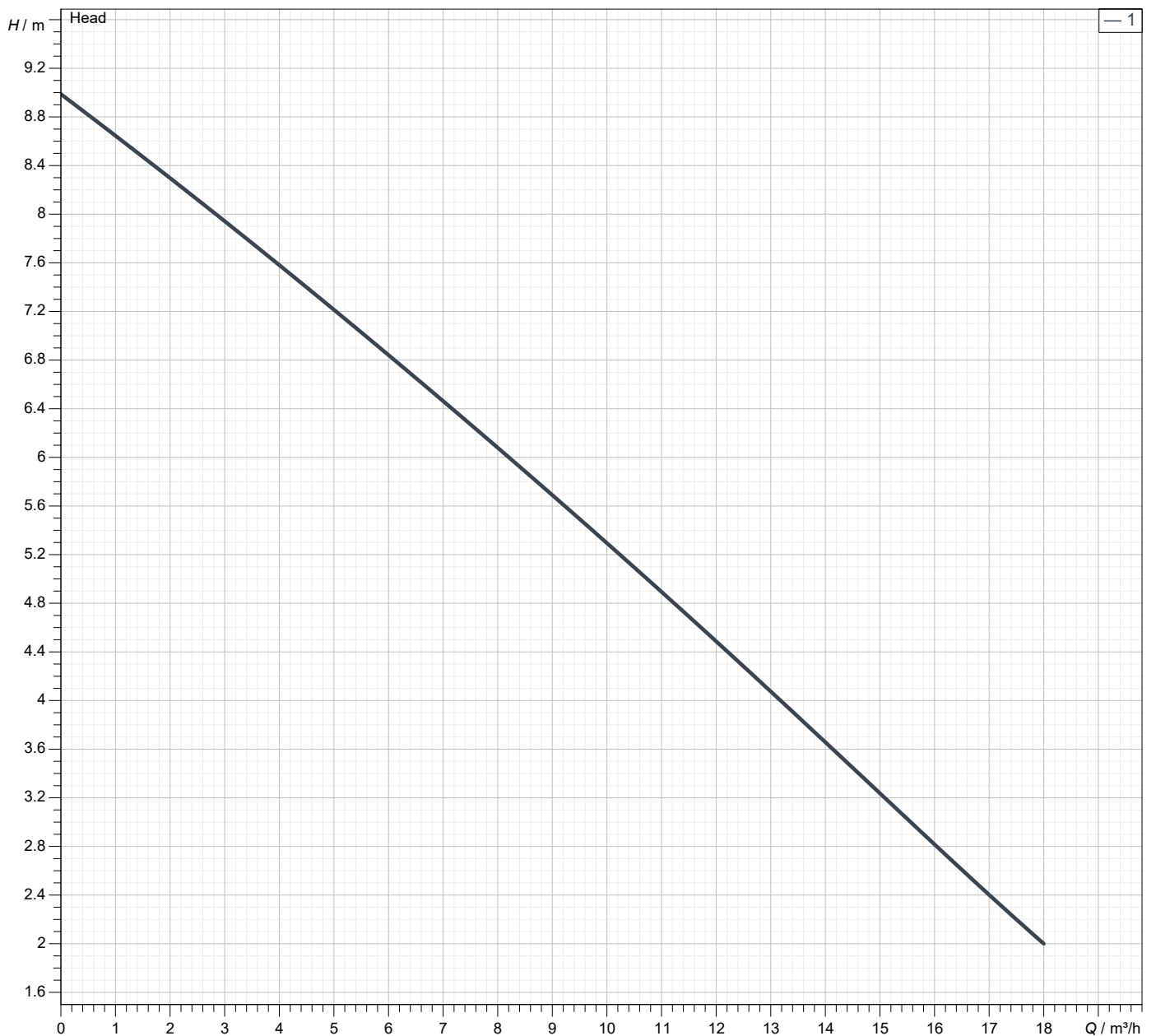
## Weight

14 kg (dry weight of the pump only without cable)

# Performance curve

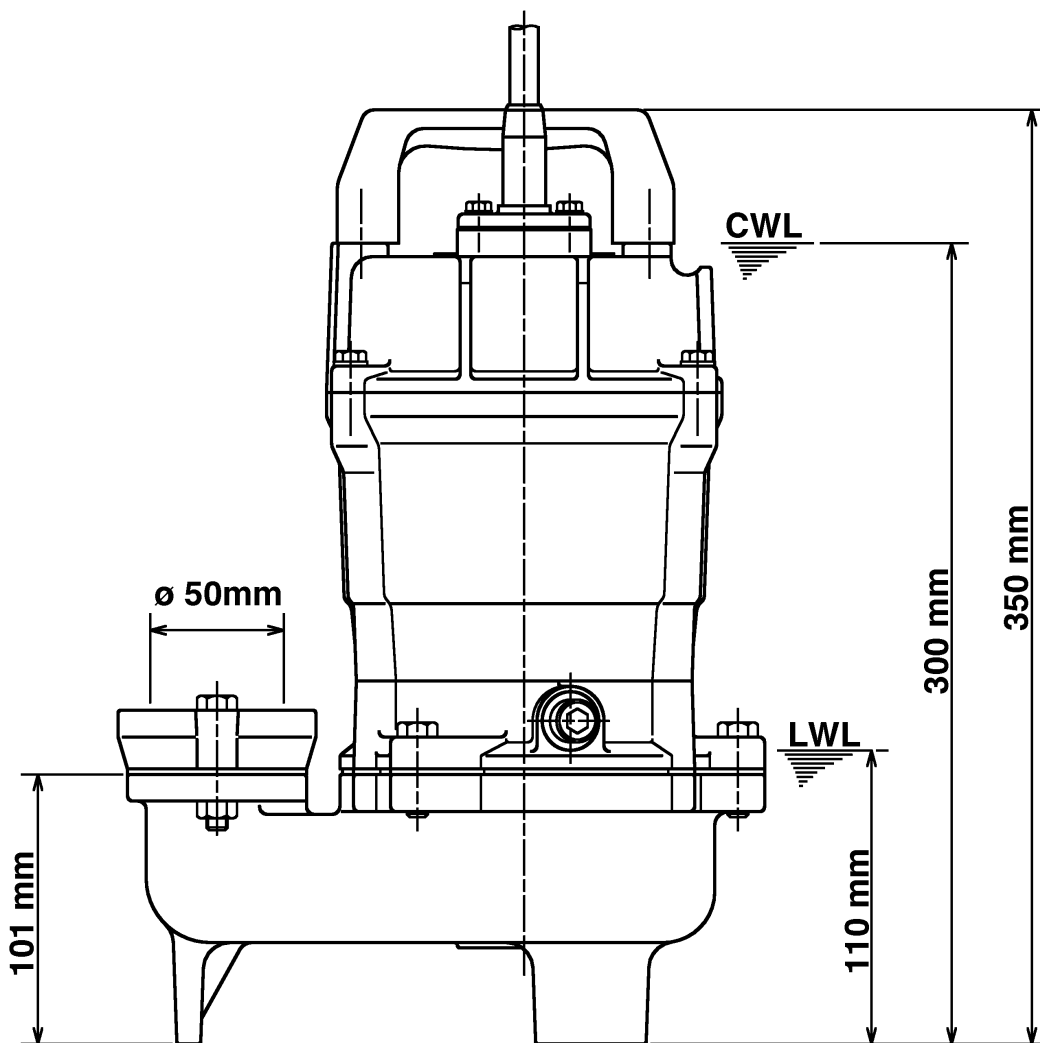
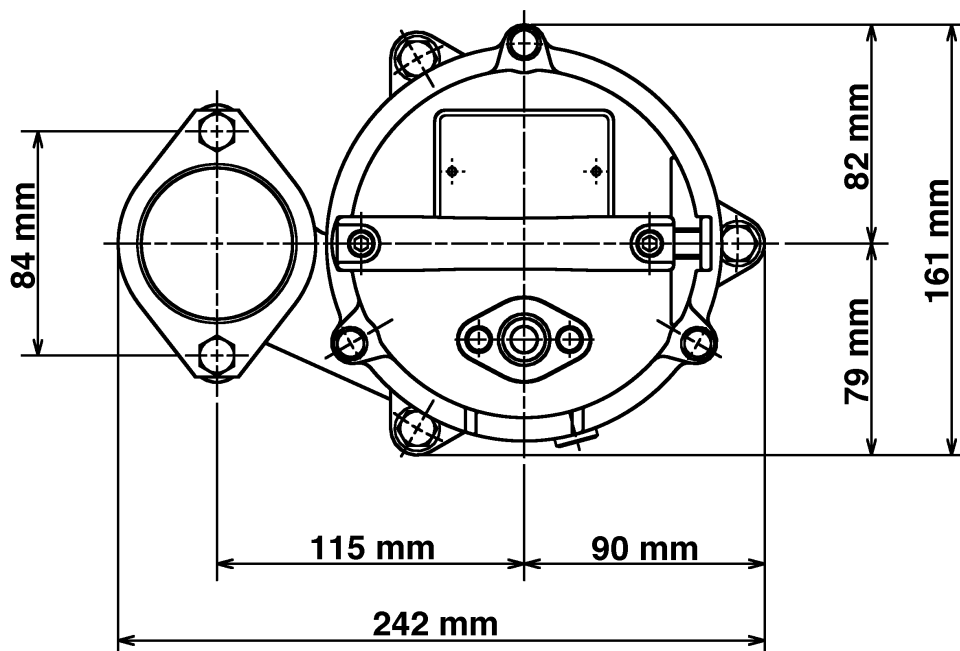
## 50UT2.4S-51

|                  |            |
|------------------|------------|
| Discharge port   | 2"         |
| Head             | 9.0 m      |
| Flow             | 18.0 m³/h  |
| Rated power      | 0.40 kW    |
| Power input      | 0.65 kW    |
| Phases           | 1~         |
| Voltages         | 230 V      |
| Frequency        | 50 Hz      |
| Rated current    | 2.8 A      |
| Starting current | 6.17 A     |
| Number of poles  | 2          |
| Speed            | 2705 1/min |
| Starting mode    |            |
| Insulation class | E          |



# Dimensions

## 50UT2.4S-51

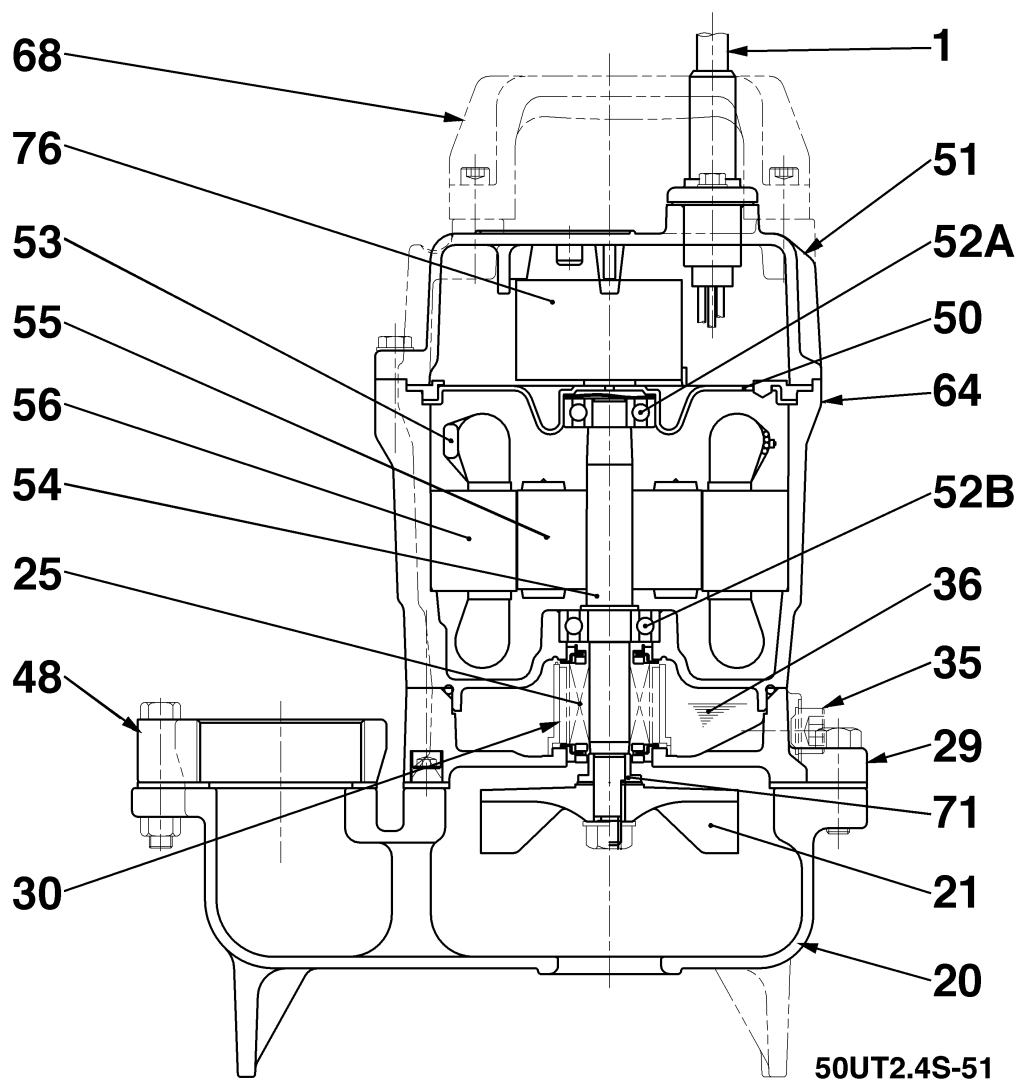


**50UT2.4S-51**

CWL: Continuous running water level  
LWL: Lowest running water level

# Sectional drawing

## 50UT2.4S-51



| No. | Description                       | Remark                  | No. | Description             | Remark                  |
|-----|-----------------------------------|-------------------------|-----|-------------------------|-------------------------|
| 1   | Cable                             | H07RN8-F                | 56  | Stator                  | .                       |
| 20  | Pump casing                       | FC200 (EN-GJL-200)      | 64  | Motor Frame             | FC200 (EN-GJL-200)      |
| 21  | Impeller                          | PPO-GF20                | 68  | Handle                  | Synthetic resin         |
| 25  | Mechanical seal                   | W-14VL                  | 71  | Shaft protection sleeve | SUS304 (EN-X5CrNi18-10) |
| 29  | Oil casing                        | FC200 (EN-GJL-200)      | 76  | Capacitor               | .                       |
| 30  | Oil distributor                   | Plastic                 |     |                         |                         |
| 35  | Oil screw                         | SUS304 (EN-X5CrNi18-10) |     |                         |                         |
| 36  | Lubricant                         | Turbine oil (ISO VG32)  |     |                         |                         |
| 48  | Screwed Flange                    | FC200 (EN-GJL-200)      |     |                         |                         |
| 50  | Motor cover                       | FC200 (EN-GJL-200)      |     |                         |                         |
| 51  | Main cover                        | FC200 (EN-GJL-200)      |     |                         |                         |
| 52A | Upper bearing                     | 6201ZZC3                |     |                         |                         |
| 52B | Lower bearing                     | 6202ZZC3                |     |                         |                         |
| 53  | Motor Protector 380/400/415V-50Hz | KA314-HRXL00 (H.C)      |     |                         |                         |
| 54  | Shaft                             | SUS403 (EN-X6Cr13)      |     |                         |                         |
| 55  | Rotor                             | .                       |     |                         |                         |