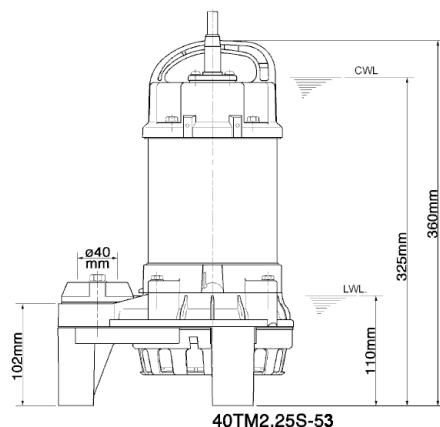
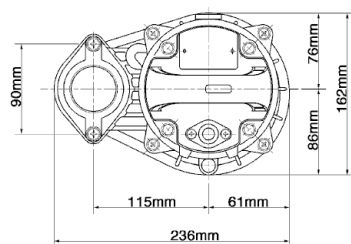
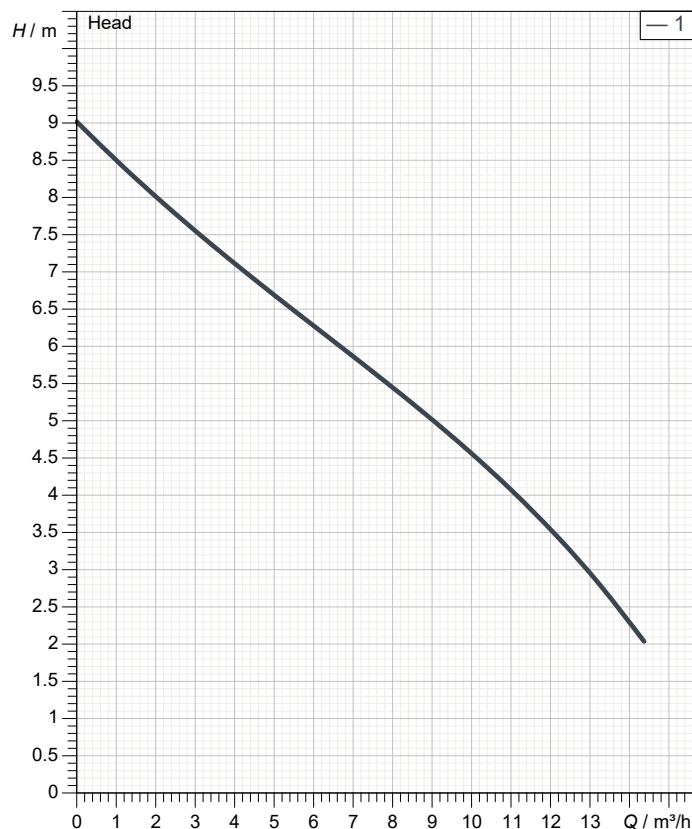


# Data sheet 40TM2.25S-53



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



## Specification

Electric submersible pump TM-series  
Degree of protection IP 68  
Pressure resistance max. 10 m  
Type of impeller Vortex impeller  
Free passage 10 mm  
Suitable for:  
sea water, salt water

## Electric motor

Dry-type submersible induction motor  
Insulation class E 2Poles 2885 1/min  
Starting mode  
Rated voltage 230 V 50 Hz 1~  
Power uptake 0.48 kW  
Rated power 0.25 kW  
Rated current 2.5 A  
Start current 8.7 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 | ABS-GF20 |
| Motor Frame | Titanium |
| Shaft       | Titanium |

## Discharge size

40mm screwed-in mating flange

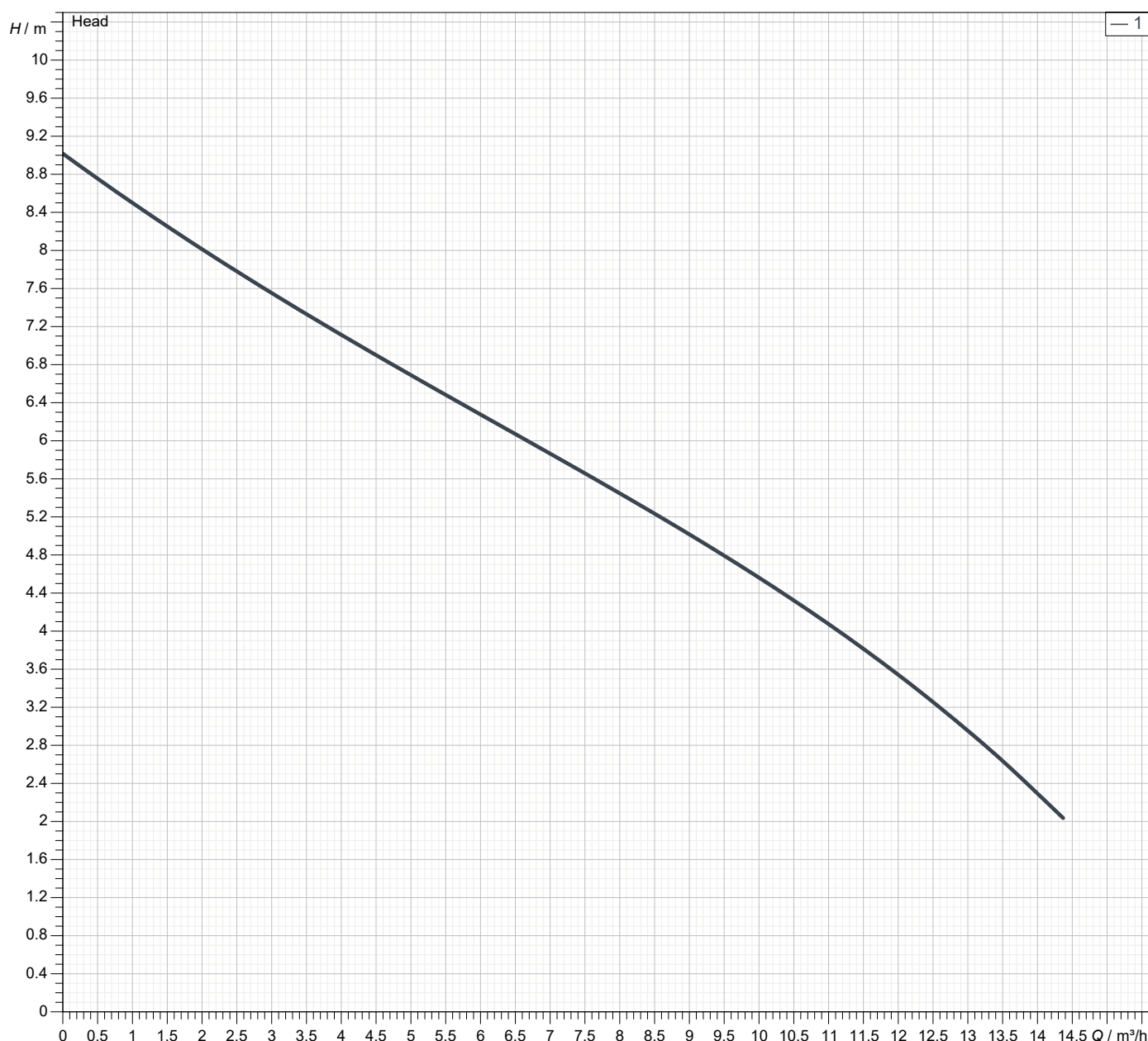
## Weight

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

# Performance curve

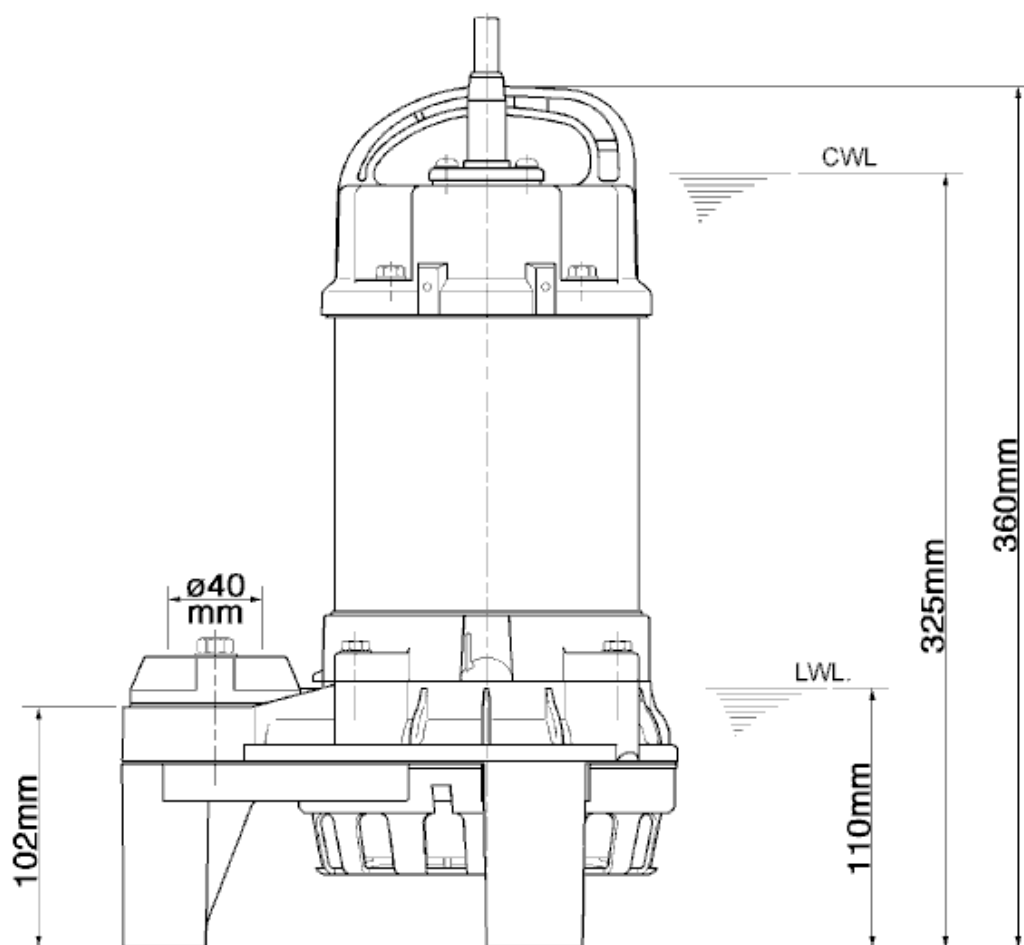
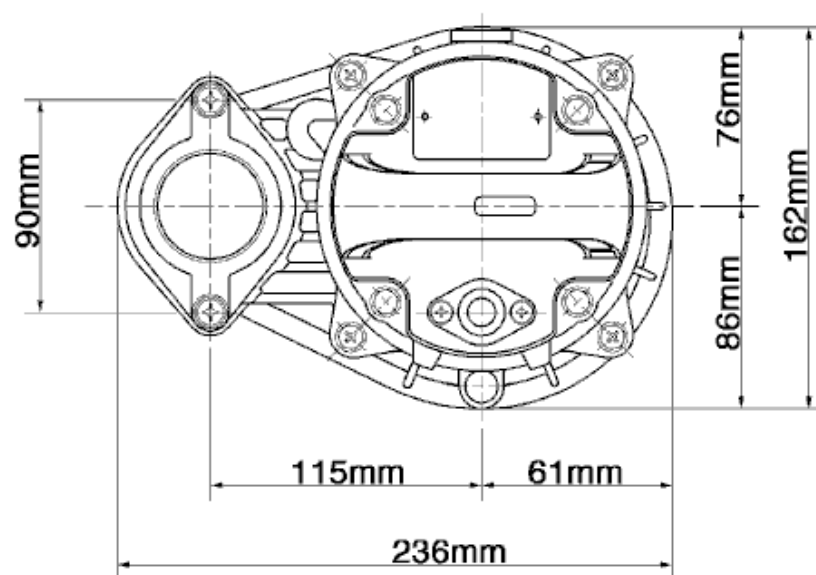
## 40TM2.25S-53

|                  |            |
|------------------|------------|
| Discharge port   | 1,5"       |
| Head             | 9.0 m      |
| Flow             | 14.4 m³/h  |
| Rated power      | 0.25 kW    |
| Power input      | 0.48 kW    |
| Phases           | 1~         |
| Voltages         | 230 V      |
| Frequency        | 50 Hz      |
| Rated current    | 2.5 A      |
| Starting current | 8.70 A     |
| Number of poles  | 2          |
| Speed            | 2885 1/min |
| Starting mode    |            |
| Insulation class | E          |



# Dimensions

## 40TM2.25S-53

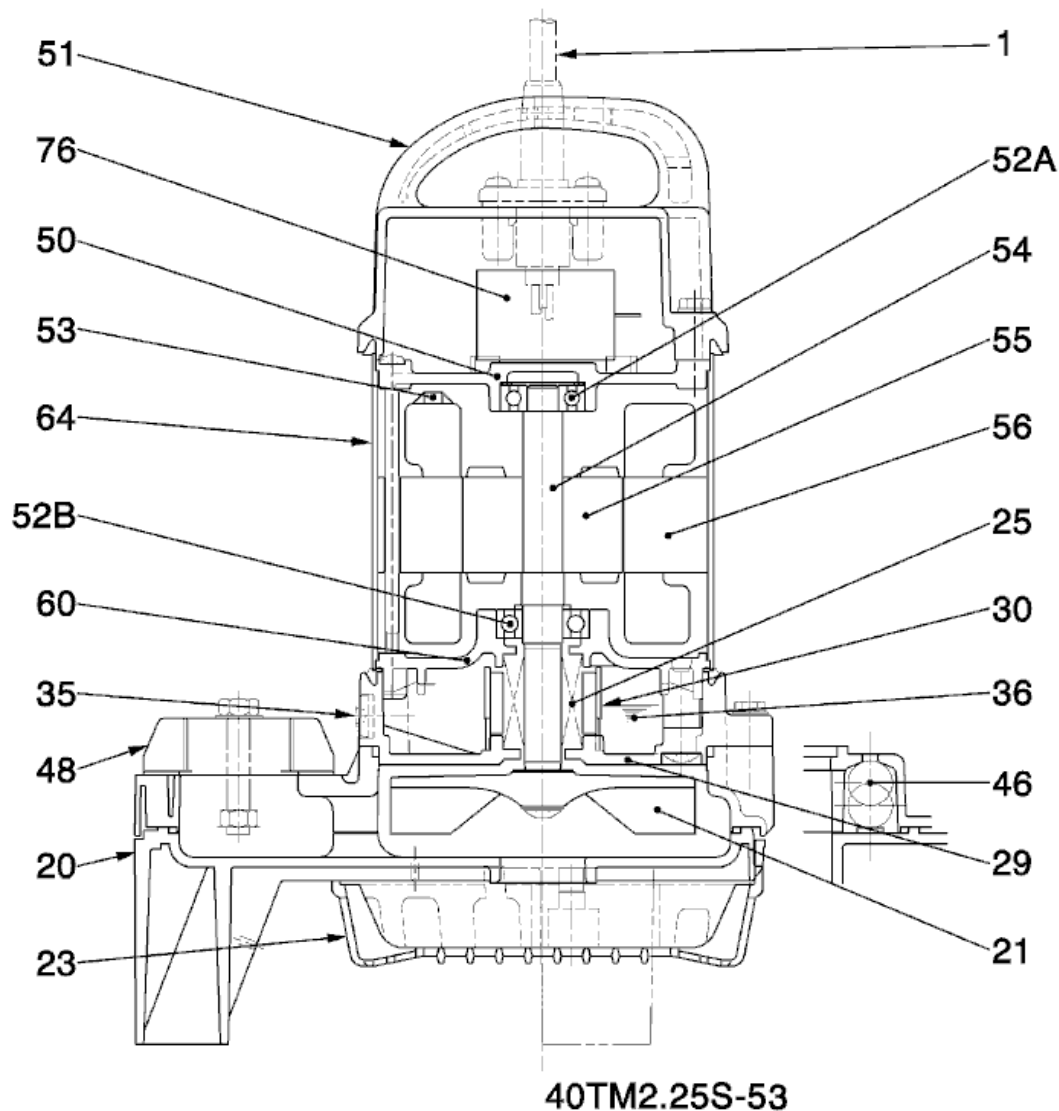


**40TM2.25S-53**

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

# Sectional drawing

## 40TM2.25S-53



40TM2.25S-53

| No. | Description                       | Remark                      | No. | Description     | Remark                      |
|-----|-----------------------------------|-----------------------------|-----|-----------------|-----------------------------|
| 1   | Cable                             | H07RN8-F                    | 54  | Shaft           | Titanium                    |
| 20  | Pump casing                       | ABS-GF20                    | 55  | Rotor           | .                           |
| 21  | Impeller                          | PPO-GF20                    | 56  | Stator          | .                           |
| 23  | Strainer                          | ABS                         | 60  | Bearing Housing | ADC12 Aluminium die casting |
| 25  | Mechanical seal                   | W-14HL                      | 64  | Motor Frame     | Titanium                    |
| 29  | Oil casing                        | PPS-GF40                    | 76  | Condenser       | .                           |
| 30  | Oil distributor                   | Plastic                     |     |                 |                             |
| 35  | Oil screw                         | Titanium                    |     |                 |                             |
| 36  | Lubricant                         | white oil (ISO VG32)        |     |                 |                             |
| 46  | Air vent valve                    | Glass bead                  |     |                 |                             |
| 48  | Screwed Flange                    | Polycarbonate               |     |                 |                             |
| 50  | Motor cover                       | ADC12 Aluminium die casting |     |                 |                             |
| 51  | Main cover                        | PPO+PPS -GF40               |     |                 |                             |
| 52A | Upper bearing                     | 6201ZZC3                    |     |                 |                             |
| 52B | Lower bearing                     | 6302ZZC3                    |     |                 |                             |
| 53  | Motor Protector 380/400/415V-50Hz | KA314-HRXL00 (H.C)          |     |                 |                             |