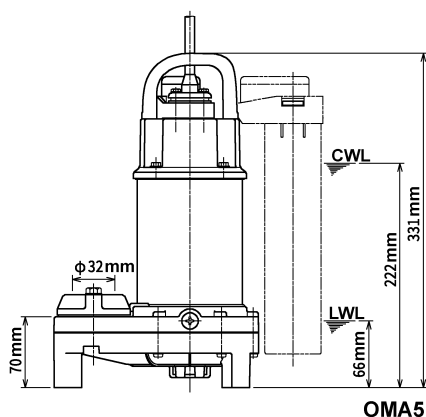
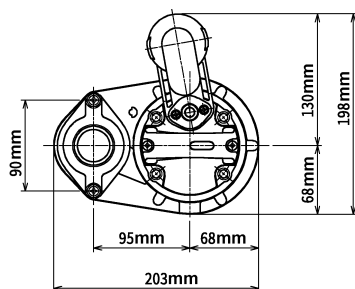
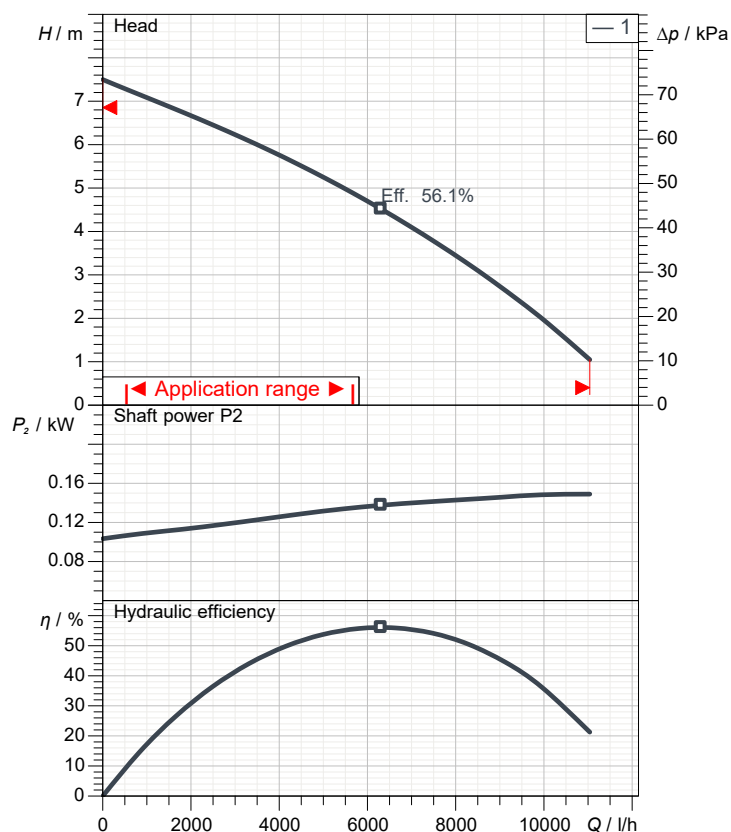


# Data sheet OMA5



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



## Specification

Electric submersible pump OM-series  
Degree of protection IP 68  
Pressure resistance max. 10 m  
Type of impeller Vortex impeller  
Free passage 10 mm  
Suitable for:  
sewage water, various waste water

## Electric motor

Dry-type submersible induction motor  
Insulation class E 2Poles 2852 1/min  
Starting mode  
Rated voltage 230 V 50 Hz 1~  
Power uptake 0.33 kW  
Rated power 0.15 kW  
Rated current 1.65 A  
Start current 3.2 A

## Cable

10m H07RN8-F 3Cx1mm<sup>2</sup>

## Motor Protection

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

## Shaft seal

Double inside mechanical seal in oil bath

Primary seal  
Silicon carbide on silicon carbide  
Secondary seal  
Ceramic on carbon

## Bearings

Shielded ball bearings, maintenance-free

## Materials

|                   |                              |
|-------------------|------------------------------|
| Impeller          | Plastic with glass fibers    |
| Upper Pump casing | Plastic with glass fibers    |
| Lower Pump casing | Plastic                      |
| Motor Frame       | DIN 1.4301 (EN-X5CrNi 18-10) |
| Shaft             | SUS316 (EN-X5CrNiMo17-12-2)  |

## Discharge size

1,25" (32mm) screwed-in mating flange

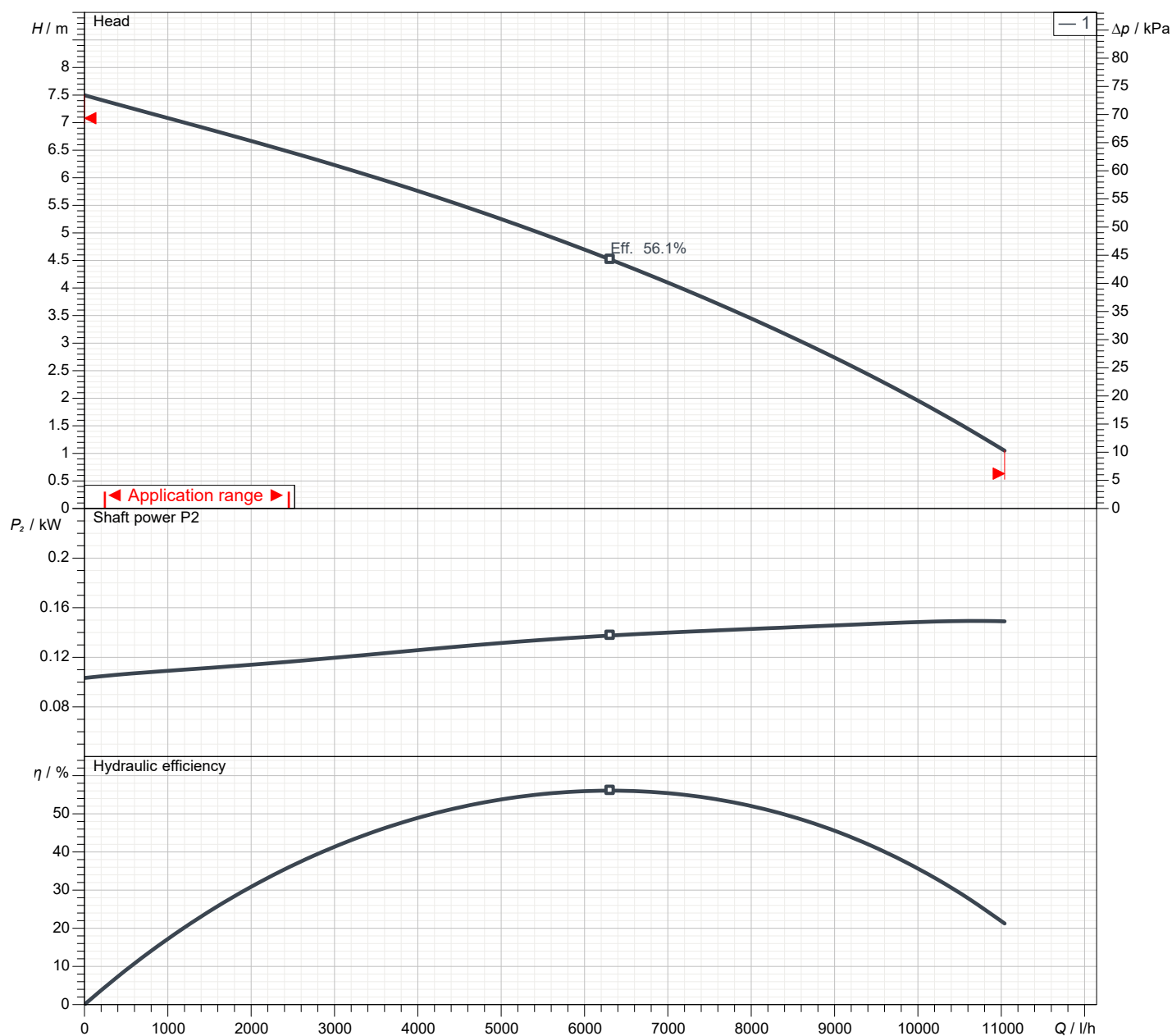
## Weight

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

# Performance curve

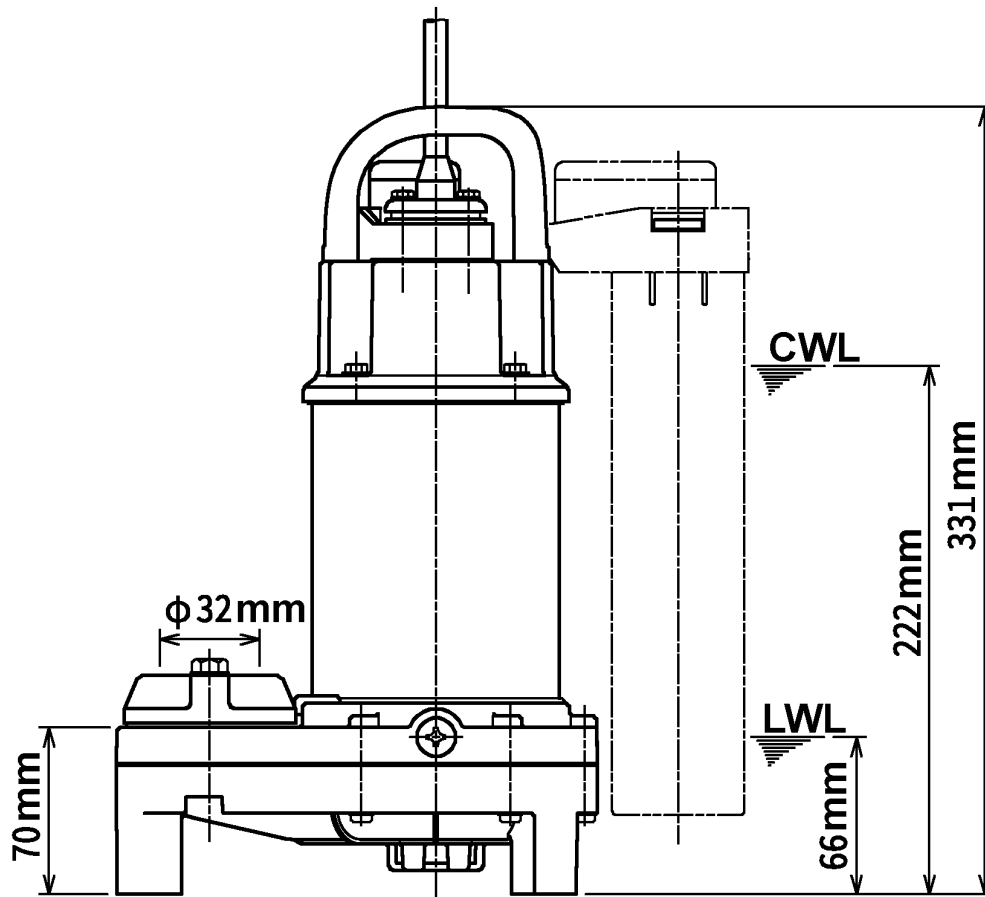
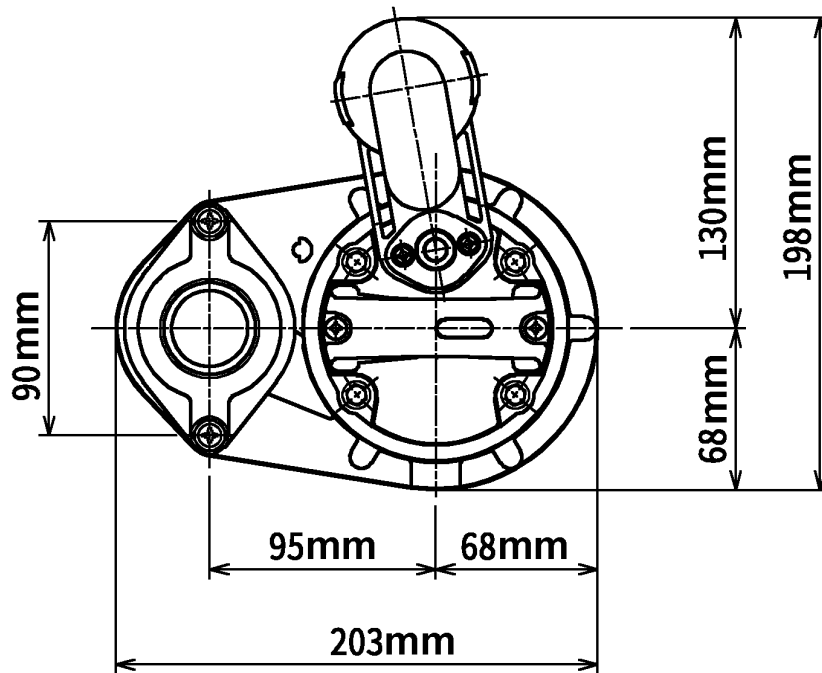
## OM5

|                  |             |
|------------------|-------------|
| Discharge port   | 1,25"       |
| Head             | 7.5 m       |
| Flow             | 11040.0 l/h |
| Rated power      | 0.15 kW     |
| Power input      | 0.33 kW     |
| Phases           | 1~          |
| Voltages         | 230 V       |
| Frequency        | 50 Hz       |
| Rated current    | 1.65 A      |
| Starting current | 3.20 A      |
| Number of poles  | 2           |
| Speed            | 2852 1/min  |
| Starting mode    |             |
| Insulation class | E           |



# Dimensions

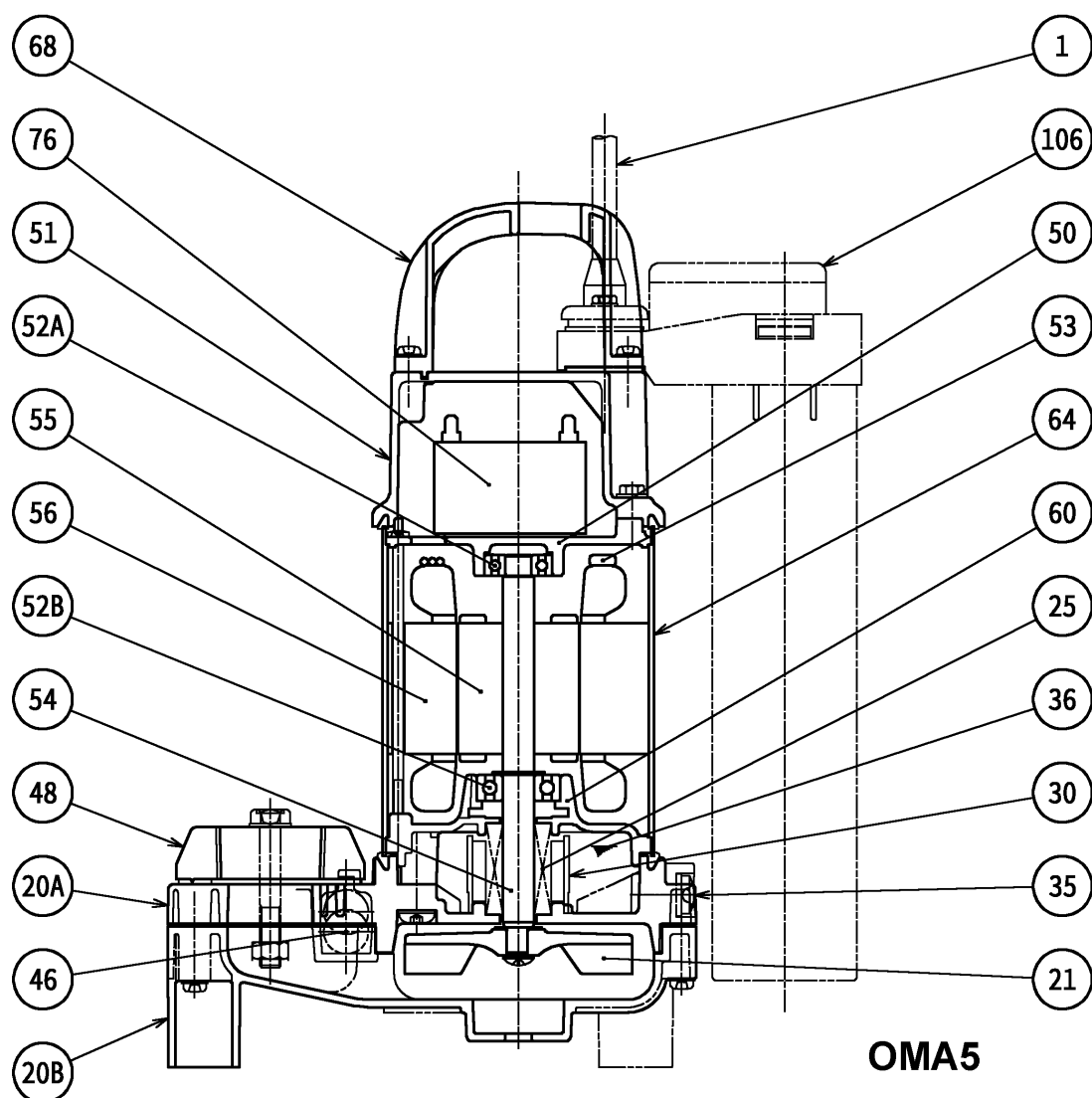
## OMA5



**OMA5**

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

# Sectional drawing OMA5



| No. | Description            | Remark                       | No. | Description     | Remark                       |
|-----|------------------------|------------------------------|-----|-----------------|------------------------------|
| 1   | Cable                  | H07RN8-F                     | 55  | Rotor           | .                            |
| 20A | Upper Pump casing      | Plastic with glass fibers    | 56  | Stator          | .                            |
| 20B | Lower Pump casing      | Plastic                      | 60  | Bearing Housing | Aluminium die casting        |
| 21  | Impeller               | Plastic with glass fibers    | 64  | Motor Frame     | DIN 1.4301 (EN-X5CrNi 18-10) |
| 25  | Mechanical seal        | D-12RC                       | 68  | Handle          | Plastic                      |
| 30  | Oil distributor        | Plastic                      | 76  | Condenser       | .                            |
| 35  | Oil screw              | DIN 1.4301 (EN-X5CrNi 18-10) | 106 | Float           | Plastic                      |
| 36  | Lubricant              | Turbine oil (ISO VG32)       |     |                 |                              |
| 46  | Pressure release valve | Glass bead                   |     |                 |                              |
| 48  | Screwed Flange         | Plastic with glass fibers    |     |                 |                              |
| 50  | Motor cover            | Aluminium die casting        |     |                 |                              |
| 51  | Main cover             | Plastic + glass fibers       |     |                 |                              |
| 52A | Upper bearing          | 6000ZZC3                     |     |                 |                              |
| 52B | Lower bearing          | 6201ZZC3                     |     |                 |                              |
| 53  | Motor Protector        | .                            |     |                 |                              |
| 54  | Shaft                  | SUS316 (EN-X5CrNiMo17-12-2)  |     |                 |                              |