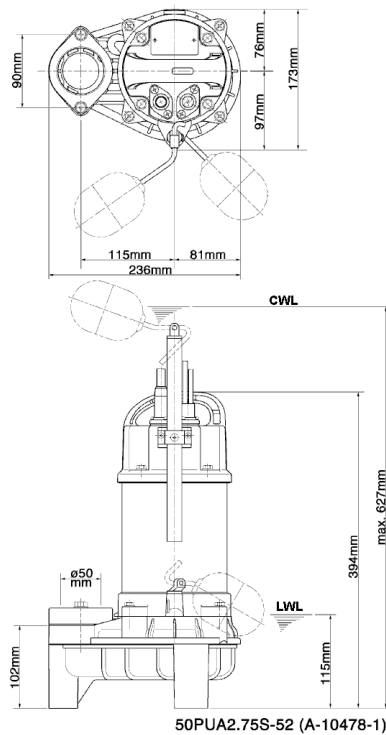
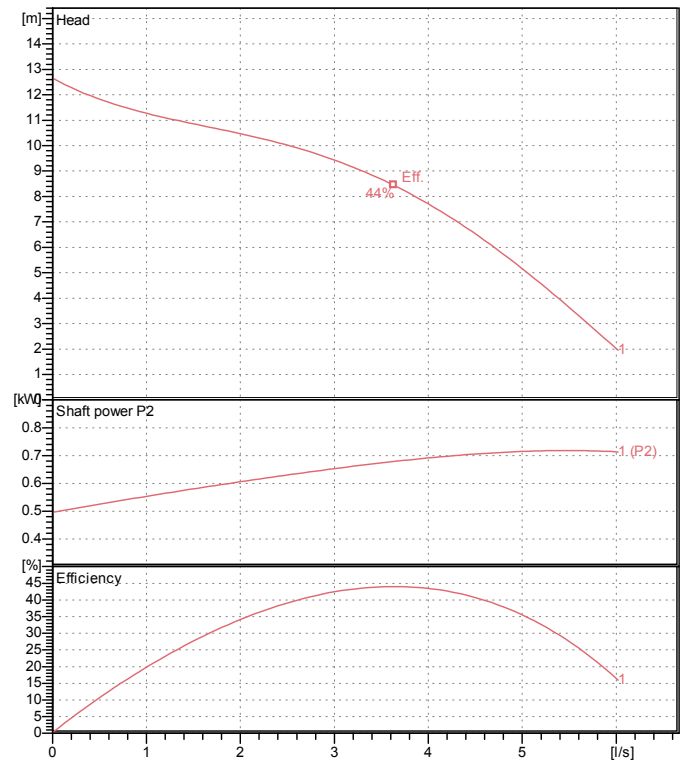


# Data sheet 50PUA2.75S-52



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



## Specification

Electric submersible pump  
Degree of protection IP 68  
Depth of submersion max. 20 m  
Type of impeller Vortex impeller  
Free passage 35 mm  
Suitable for:  
sewage water, waste water, various waste water

## Electric motor

Dry-type submersible induction motor  
Insulation class E 2Poles 2787 1/min  
Starting mode Directly  
Rated voltage 230 V 50 Hz 1~  
Power uptake 1.01 kW  
Rated power 0.75 kW  
Rated current 5.4 A  
Start current 18.0 A

## Cable

10m H07RN-F 4Cx1,5mm<sup>2</sup>

## 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 | Stainless steel SUS304 |
| Shaft       | Stainless steel SUS304 |

## Discharge size

50mm screwed-in mating flange

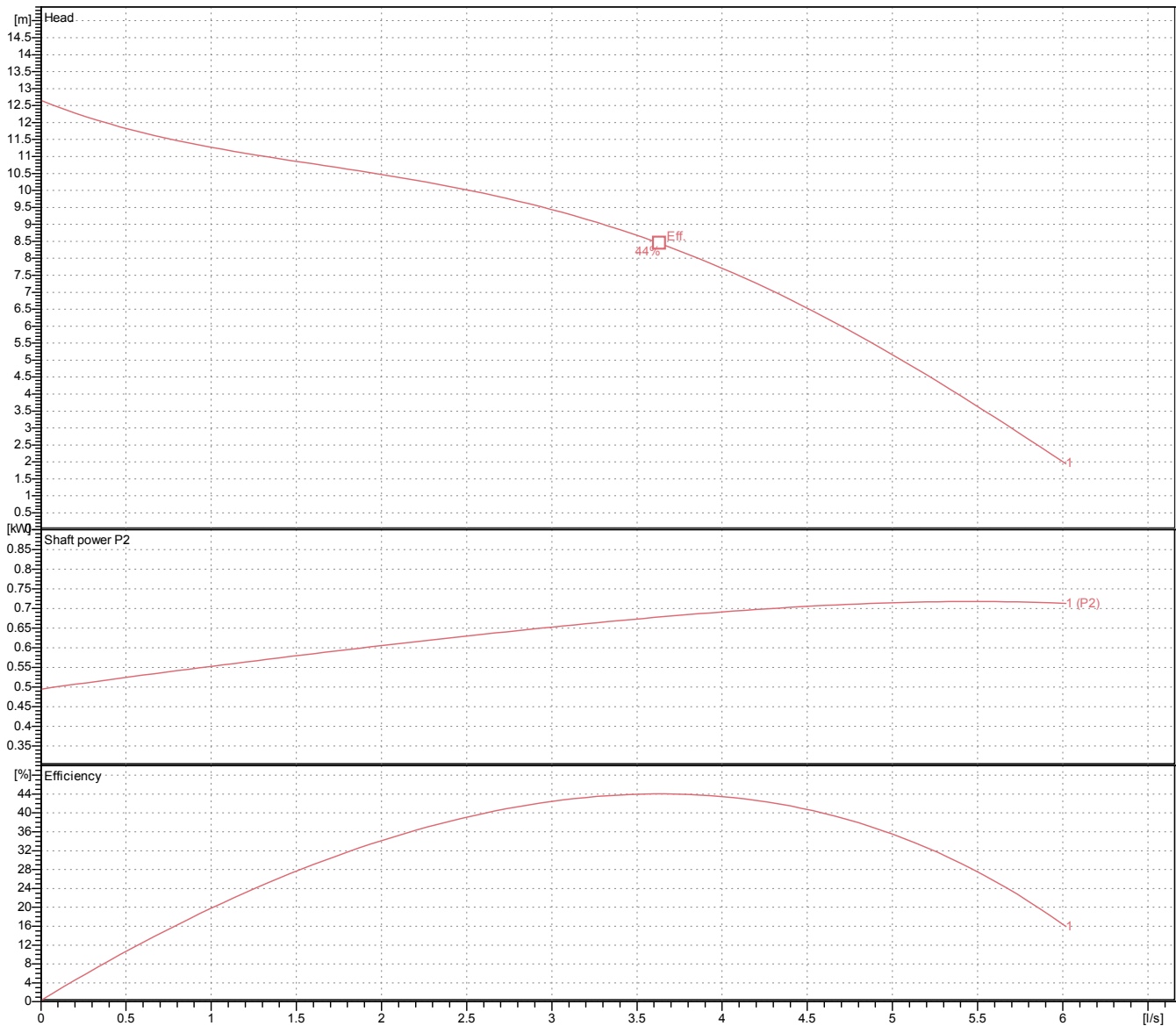
## Weight

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

# Performance curve

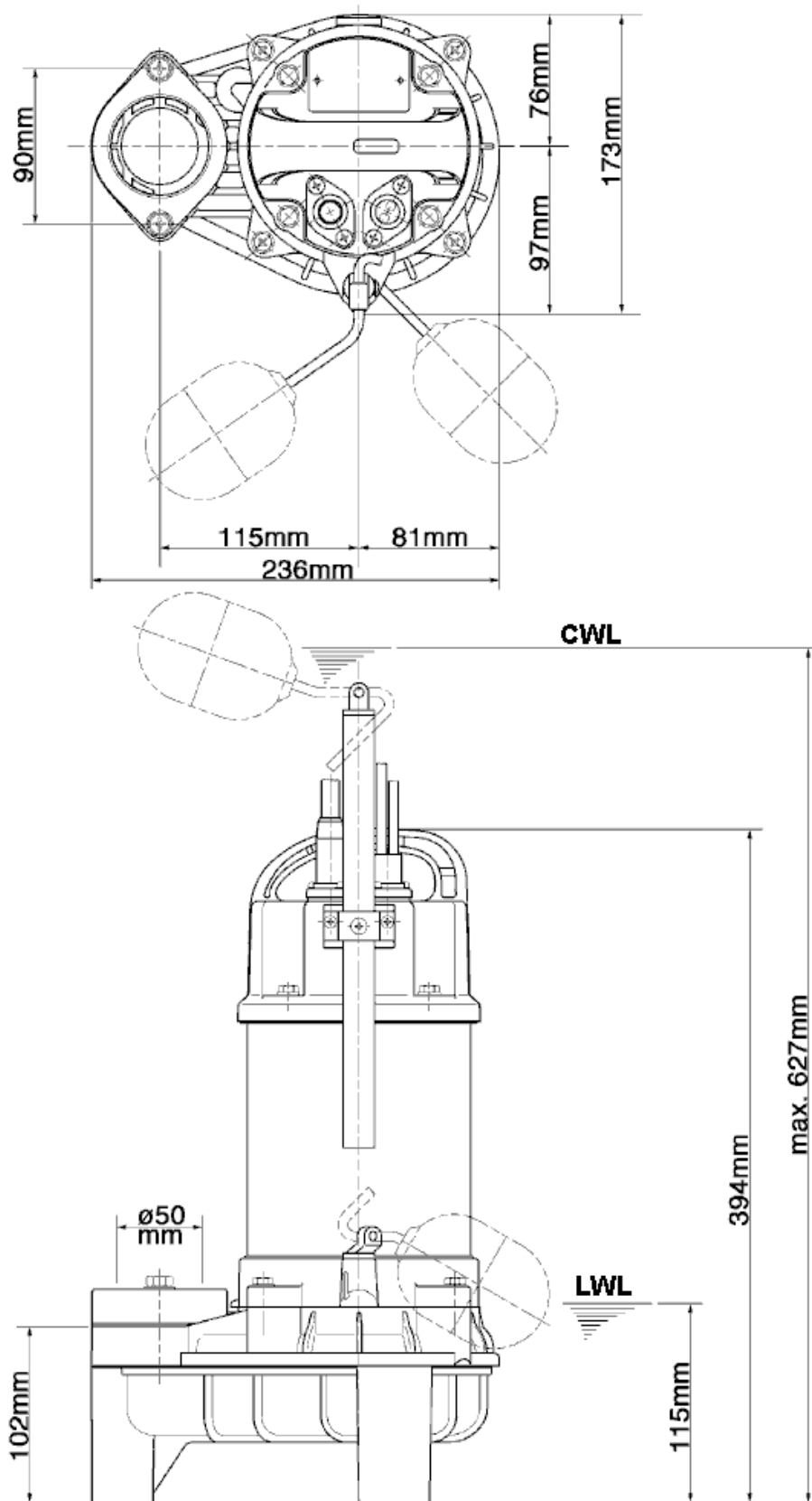
## 50PUA2.75S-52

|                  |            |
|------------------|------------|
| Discharge port   | 2"         |
| Head             | 12.7 m     |
| Flow             | 6.0 l/s    |
| Rated power      | 0.75 kW    |
| Power input      | 1.01 kW    |
| Phases           | 1~         |
| Voltages         | 230 V      |
| Frequency        | 50 Hz      |
| Rated current    | 5.4 A      |
| Starting current | 17.98 A    |
| Number of poles  | 2          |
| Speed            | 2787 1/min |
| Starting mode    | Directly   |
| Insulation class | E          |



# Dimensions

## 50PUA2.75S-52



50PUA2.75S-52 (A-10478-1)

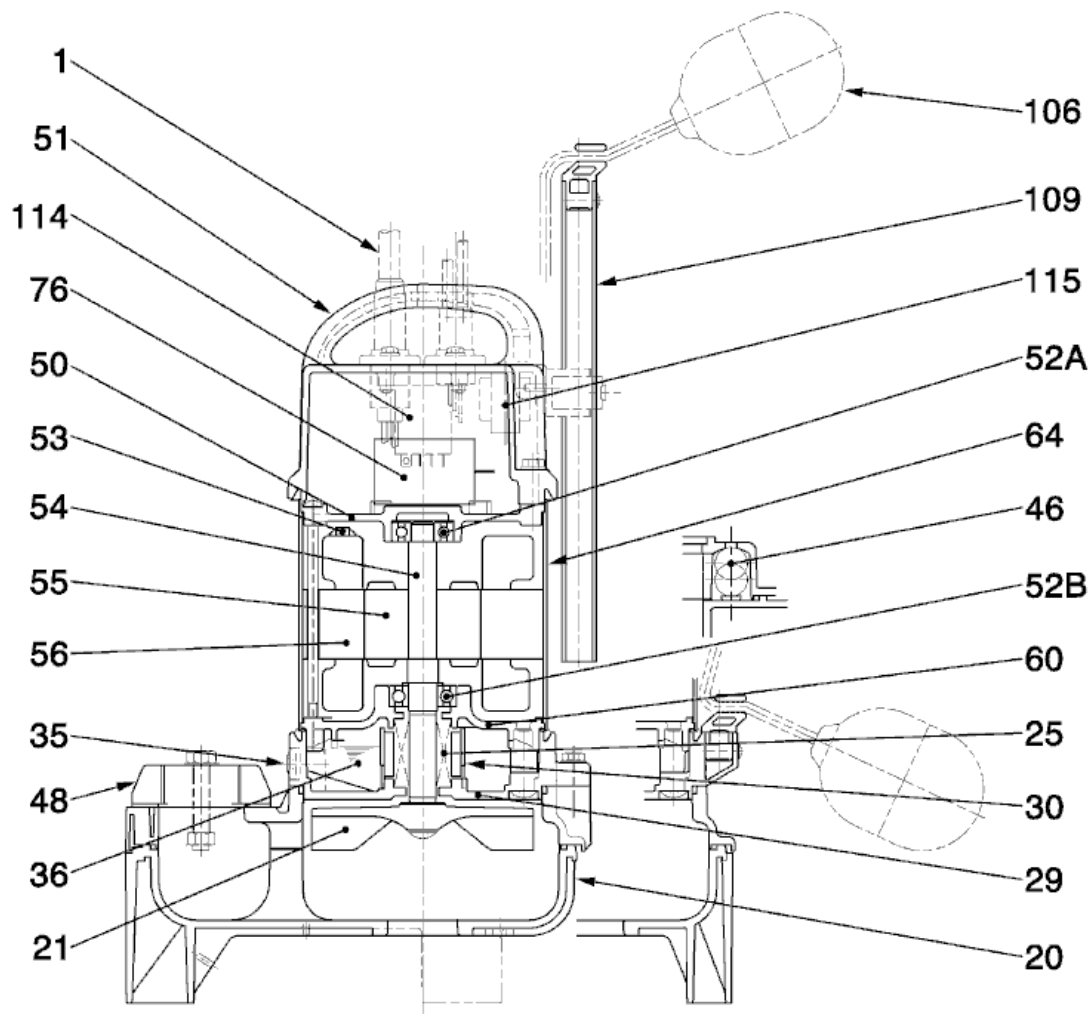
CWL: Continuous running water level  
LWL: Lowest running water level



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# Sectional drawing 50PUA2.75S-52



50PUA2.75S-52 (A-10020-1)

| No. | Denomination    | Remark                 | No. | Denomination      | Remark                 |
|-----|-----------------|------------------------|-----|-------------------|------------------------|
| 1   | Cable           | H07RN-F                | 55  | Rotor             | .                      |
| 20  | Pump casing     | ABS-GF20               | 56  | Stator            | .                      |
| 21  | Impeller        | PPO-GF20               | 60  | Bearing Housing   | Aluminium die casting  |
| 25  | Mechanical seal | W-14HL                 | 64  | Motor Frame       | Stainless steel SUS304 |
| 29  | Oil casing      | PPS-(GF+MD)50          | 76  | Condenser         | .                      |
| 30  | Oil distributor | Plastic                | 106 | Float switch (2x) | ABS                    |
| 35  | Oil screw       | Stainless steel SUS304 | 109 | Support           | PVC                    |
| 36  | Lubricant       | Turbine oil (ISO VG32) | 114 | Relais            | .                      |
| 46  | Air vent valve  | Glasskugel             | 115 | Transformator     | .                      |
| 48  | Screwed Flange  | PC(PBT-GF30)           |     |                   |                        |
| 50  | Motor cover     | Steel plate            |     |                   |                        |
| 51  | Main cover      | PPS-GF40               |     |                   |                        |
| 52A | Upper bearing   | 6201ZZC3               |     |                   |                        |
| 52B | Lower bearing   | 6302ZZC3               |     |                   |                        |
| 53  | Motor Protector | .                      |     |                   |                        |
| 54  | Shaft           | Stainless steel SUS304 |     |                   |                        |