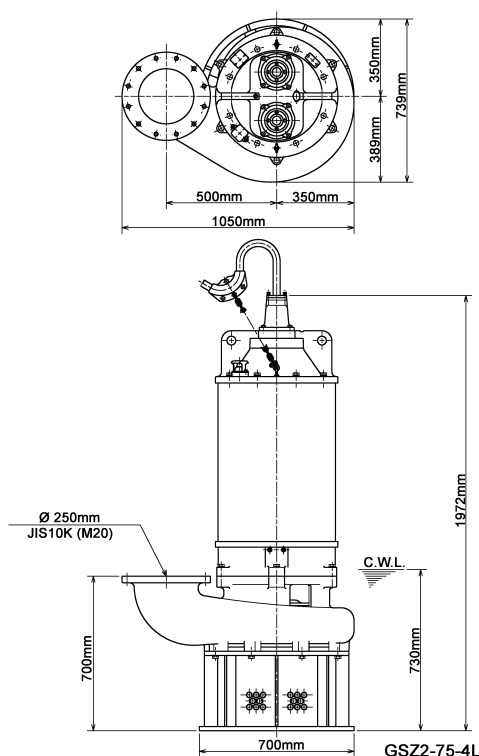
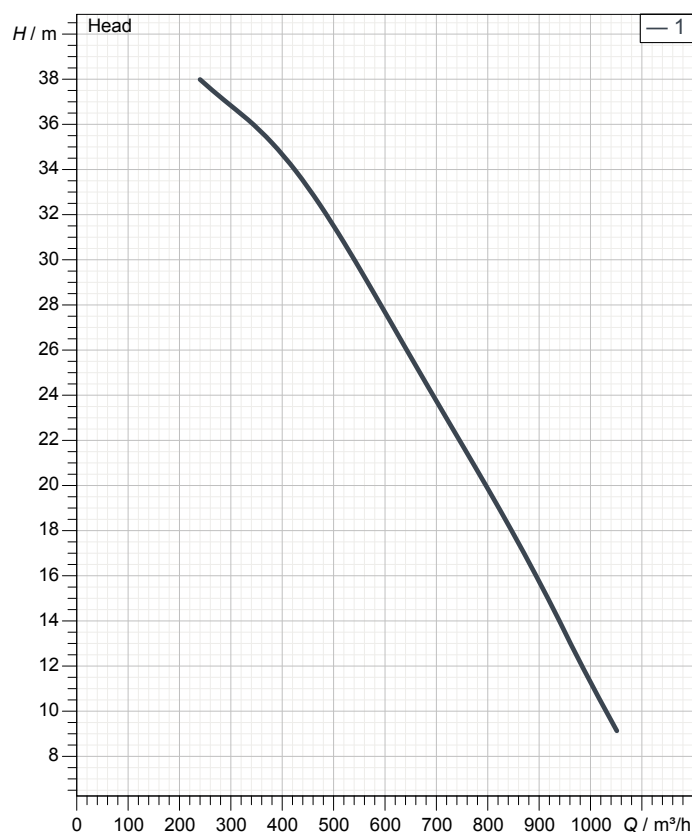


# Data sheet GSZ2-75-4L



CWL: Continuous running water level



## Specification

Electric submersible pump GSZ-series  
 Degree of protection IP 68  
 Pressure resistance max. 20 m  
 Type of impeller Closed  
 Max. solid handling 25 mm  
 Suitable for:  
 rain water, ground water, sand water

## Electric motor

Dry-type submersible induction motor  
 Insulation class E 4Poles 1470 1/min  
 Starting mode Star-delta  
 Rated voltage 400 V 50 Hz 3~  
 Power uptake 85,03 kW  
 Rated power 75,00 kW  
 Rated current 152 A  
 Start current 1249,4 A

## Cable

20m NSSHÖU(3Cx35mm²,3x16mm²/3E,2x2,5ST);NSSHÖU (3Cx35mm², 3x16mm²/3E)

## Motor Protection

Miniature protector in windings  
 (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 silicon carbide  
 Secondary seal  
 Silicon carbide on silicon carbide

## Bearings

Shielded ball bearings, maintenance-free

## Materials

|               |                       |
|---------------|-----------------------|
| Impeller      | Chromium iron casting |
| Pump casing   | FC200 (EN-GJL-200)    |
| Suction cover | FC200 (EN-GJL-200)    |
| Motor Frame   | FC200 (EN-GJL-200)    |
| Shaft         | SUS420J2 (EN-X30Cr13) |

## Discharge size

10" JIS10K Flange

## Weight

1200 kg (dry weight of the pump only without cable)

# Performance curve

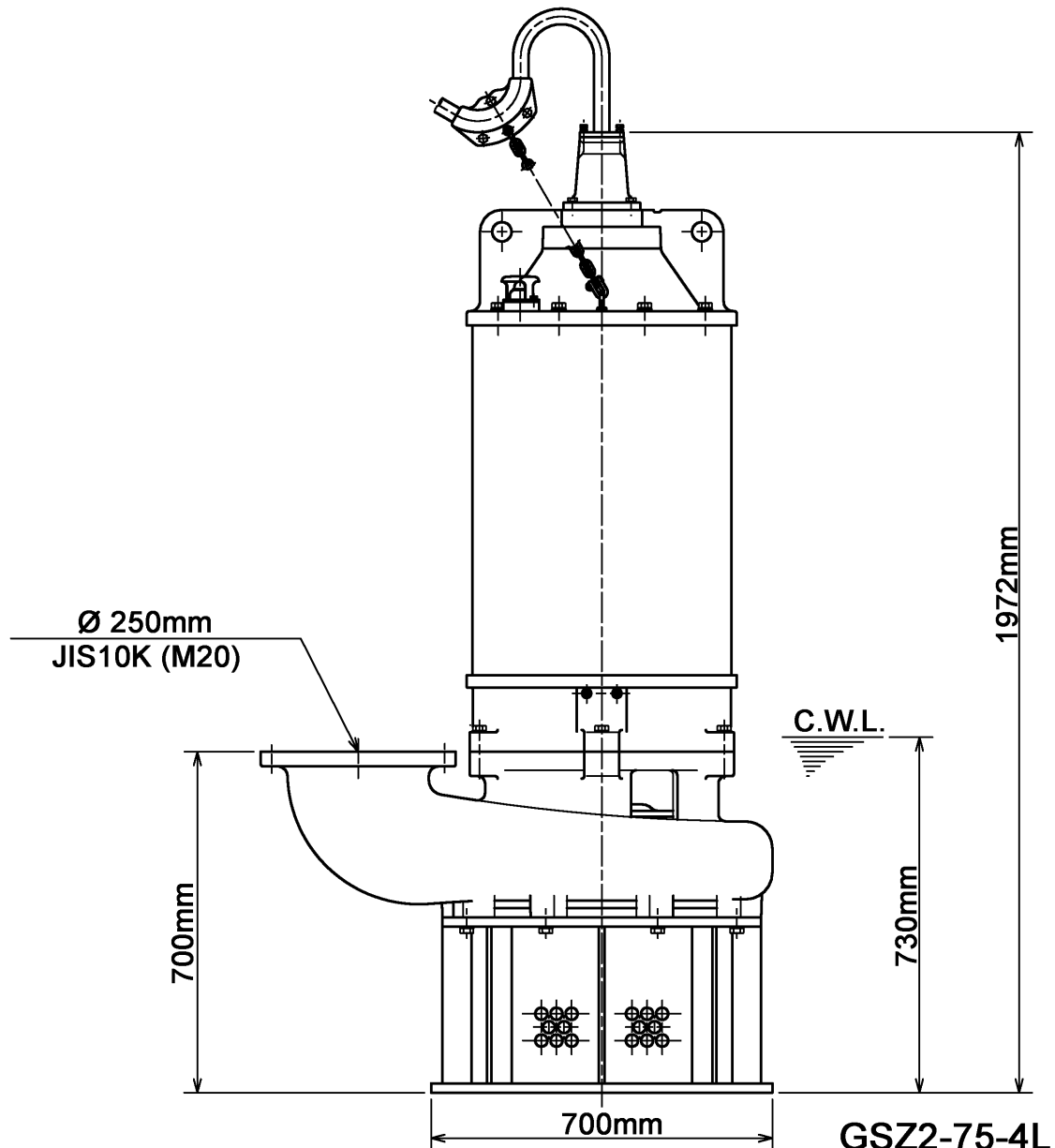
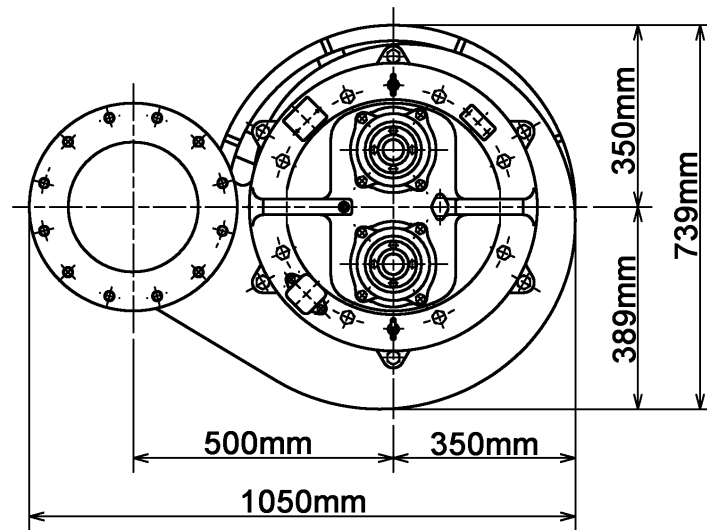
## GSZ2-75-4L

|                  |             |
|------------------|-------------|
| Discharge port   | 10"         |
| Head             | 38,0 m      |
| Flow             | 1051,2 m³/h |
| Rated power      | 75,00 kW    |
| Power input      | 85,03 kW    |
| Phases           | 3~          |
| Voltages         | 400 V       |
| Frequency        | 50 Hz       |
| Rated current    | 152 A       |
| Starting current | 416,48 A    |
| Number of poles  | 4           |
| Speed            | 1470 1/min  |
| Starting mode    | Star-delta  |
| Insulation class | E           |



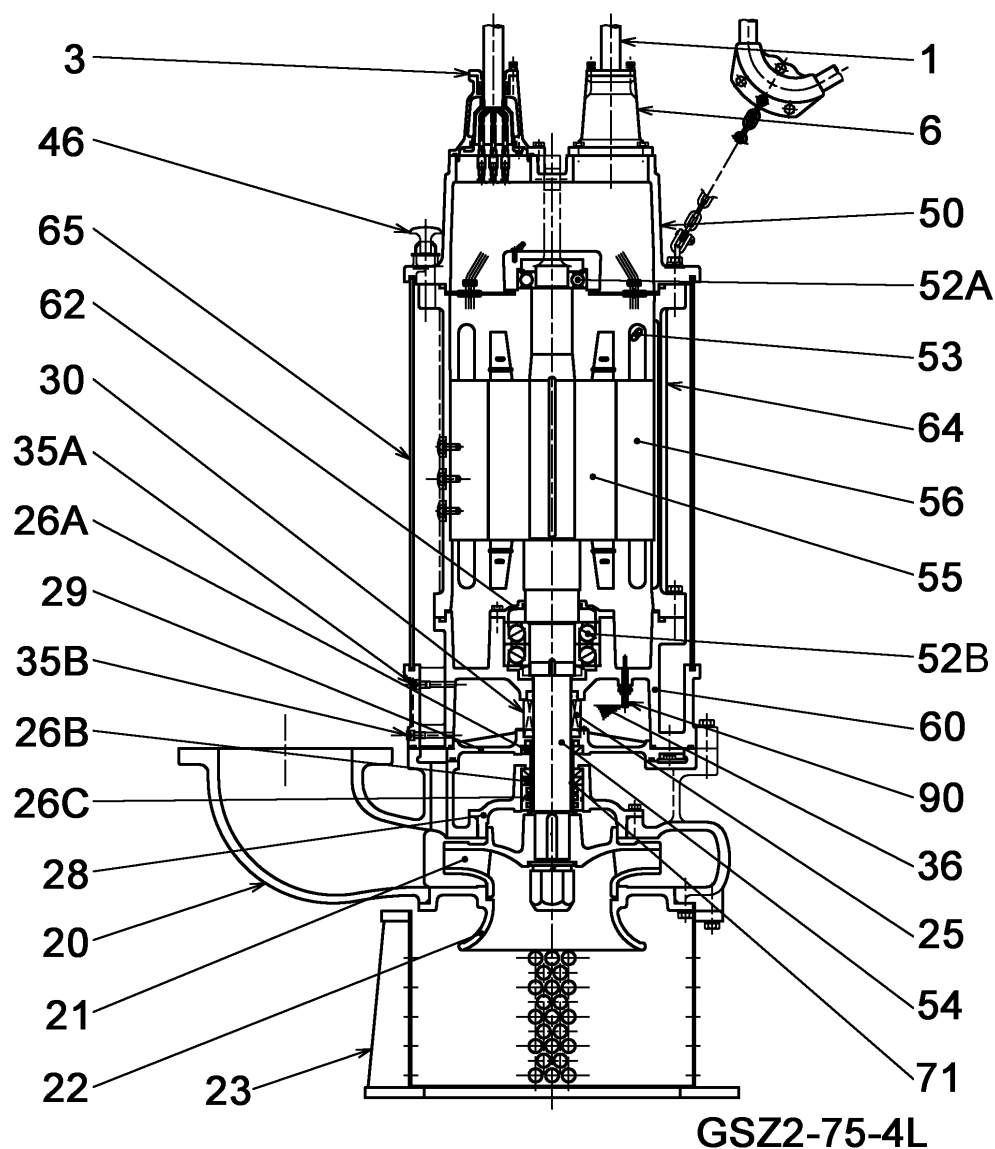
# Dimensions

## GSZ2-75-4L



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

# Sectional drawing GSZ2-75-4L



GSZ2-75-4L

| No. | Description         | Remark                   | No. | Description              | Remark                   |
|-----|---------------------|--------------------------|-----|--------------------------|--------------------------|
| 1   | Cable               | 20m NSSHÖU               | 36  | Lubricant                | Turbine oil (ISO VG32)   |
| 3   | Gland               | FC200 (EN-GJL-200)       | 46  | Air valve                | Steel plate              |
| 6   | Stuffing box (2x)   | FC200 (EN-GJL-200)       | 50  | Motor cover              | FC200 (EN-GJL-200)       |
| 20  | Pump casing         | FC200 (EN-GJL-200)       | 52A | Upper bearing            | 6312ZZC3                 |
| 21  | Impeller            | Chromium iron casting    | 52B | Lower bearing            | 7317DBC3                 |
| 22  | Suction cover       | FC200 (EN-GJL-200)       | 53  | Miniature protector (3x) | .                        |
| 23  | Strainer            | Construction steel SS400 | 54  | Shaft                    | SUS420J2 (EN-X30Cr13)    |
| 25  | Mechanical seal     | H-70                     | 55  | Rotor                    | .                        |
| 26A | Oil seal            | TC8011515                | 56  | Stator                   | .                        |
| 26B | oil seal (2x)       | TC8011515                | 60  | Bearing Housing          | FC200 (EN-GJL-200)       |
| 26C | Labyrinth ring only | SUS403 (EN-X6Cr13)       | 62  | Bearing Cover            | FC200 (EN-GJL-200)       |
| 28  | Seal casing         | FC200 (EN-GJL-200)       | 64  | Motor Frame              | FC200 (EN-GJL-200)       |
| 29  | Oil casing          | FC200 (EN-GJL-200)       | 65  | Outer Cover              | Construction steel SS400 |
| 30  | Oil distributor     | Steel plate              | 71  | Shaft protection sleeve  | SUS403 (EN-X6Cr13)       |
| 35A | Oil screw           | SUS304 (EN-X5CrNi18-10)  | 90  | Density sensor           | .                        |
| 35B | Oil screw           | SUS304 (EN-X5CrNi18-10)  |     |                          |                          |