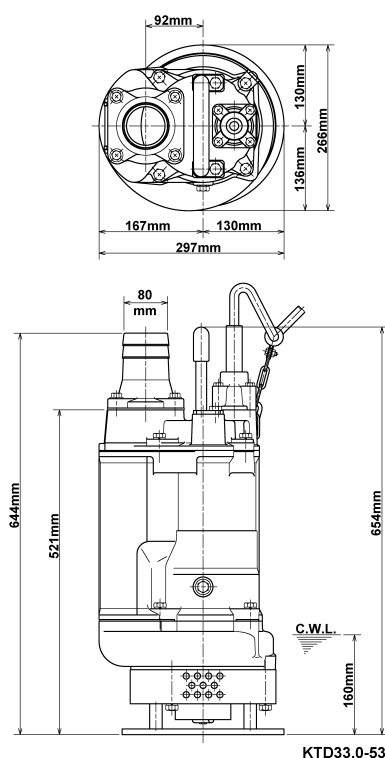
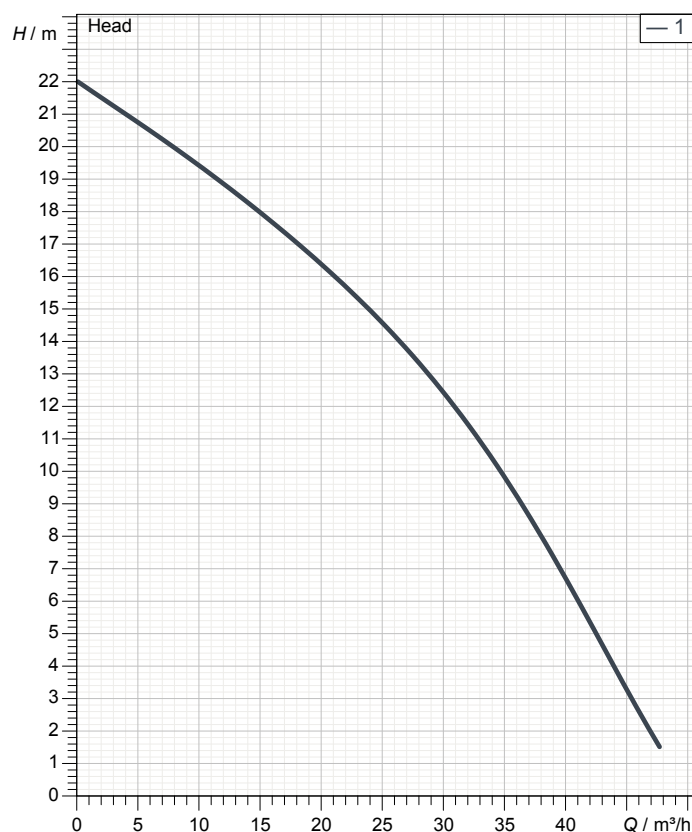


# Data sheet KTD33.0-53



CWL: Continuous running water level



## Specification

Electric submersible pump with agitator  
 Degree of protection IP 68  
 Pressure resistance max. 25 m  
 Type of impeller Semi-open  
 Max. solid handling 10 mm  
 Suitable for:  
 spring-/rain-/waste-/ground water, water containing sand

## Electric motor

Dry-type submersible induction motor  
 Insulation class F 2Poles 2850 1/min  
 Starting mode Direct starting  
 Rated voltage 400 V 50 Hz 3~  
 Power uptake 3,98 kW  
 Rated power 3,00 kW  
 Rated current 6,5 A  
 Start current 58,0 A

## Cable

20m NSSHÖU 4Cx1,5mm²

## 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 silicon carbide  
 Secondary seal  
 Silicon carbide on carbon

## Bearings

Shielded ball bearings, maintenance-free

## Materials

|               |                       |
|---------------|-----------------------|
| Impeller      | Chromium iron casting |
| Agitator      | FCD700 (EN-GJS-700-2) |
| Pump casing   | FC200 (EN-GJL-200)    |
| Suction cover | FCD50 (EN-GJS-500-7)  |
| Motor Frame   | FC150 (EN-GJL-150)    |
| Shaft         | SUS420J2 (EN-X30Cr13) |

## Discharge size

3" (80mm) Hose Coupling / BS-coupling (optional)

## Weight

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

# Performance curve

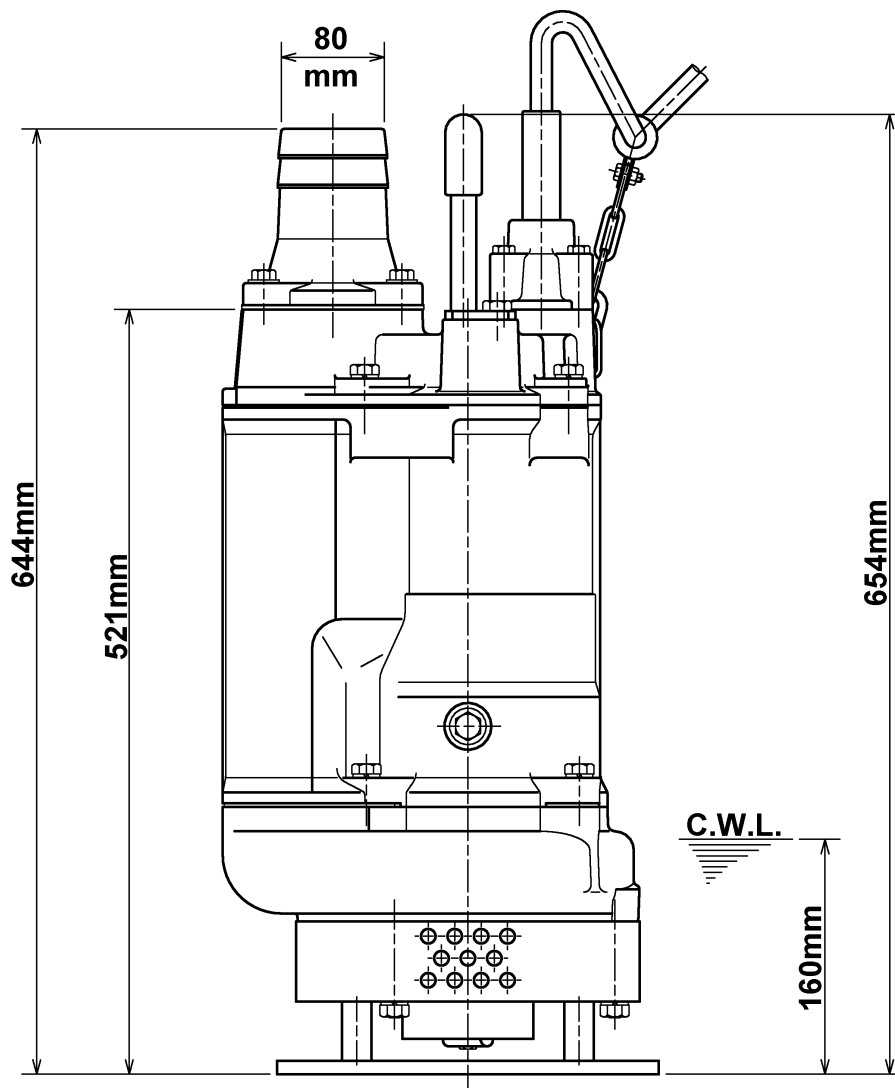
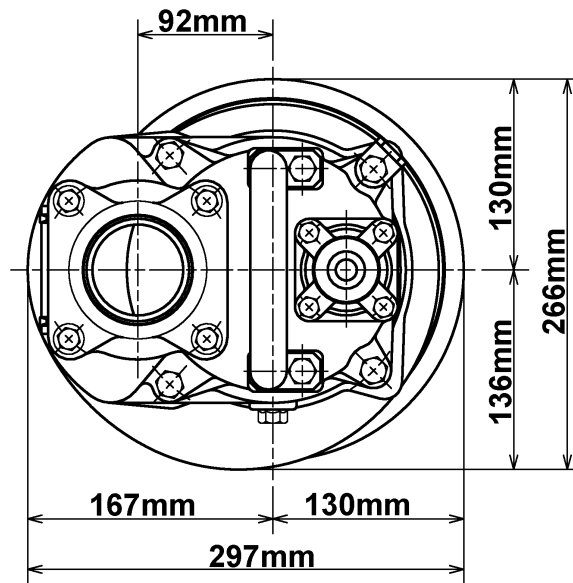
## KTD33.0-53

|                  |                 |
|------------------|-----------------|
| Discharge port   | 3"              |
| Head             | 22,0 m          |
| Flow             | 47,7 m³/h       |
| Rated power      | 3,00 kW         |
| Power input      | 3,98 kW         |
| Phases           | 3~              |
| Voltages         | 400 V           |
| Frequency        | 50 Hz           |
| Rated current    | 6,5 A           |
| Starting current | 57,98 A         |
| Number of poles  | 2               |
| Speed            | 2850 1/min      |
| Starting mode    | Direct starting |
| Insulation class | F               |



# Dimensions

## KTD33.0-53

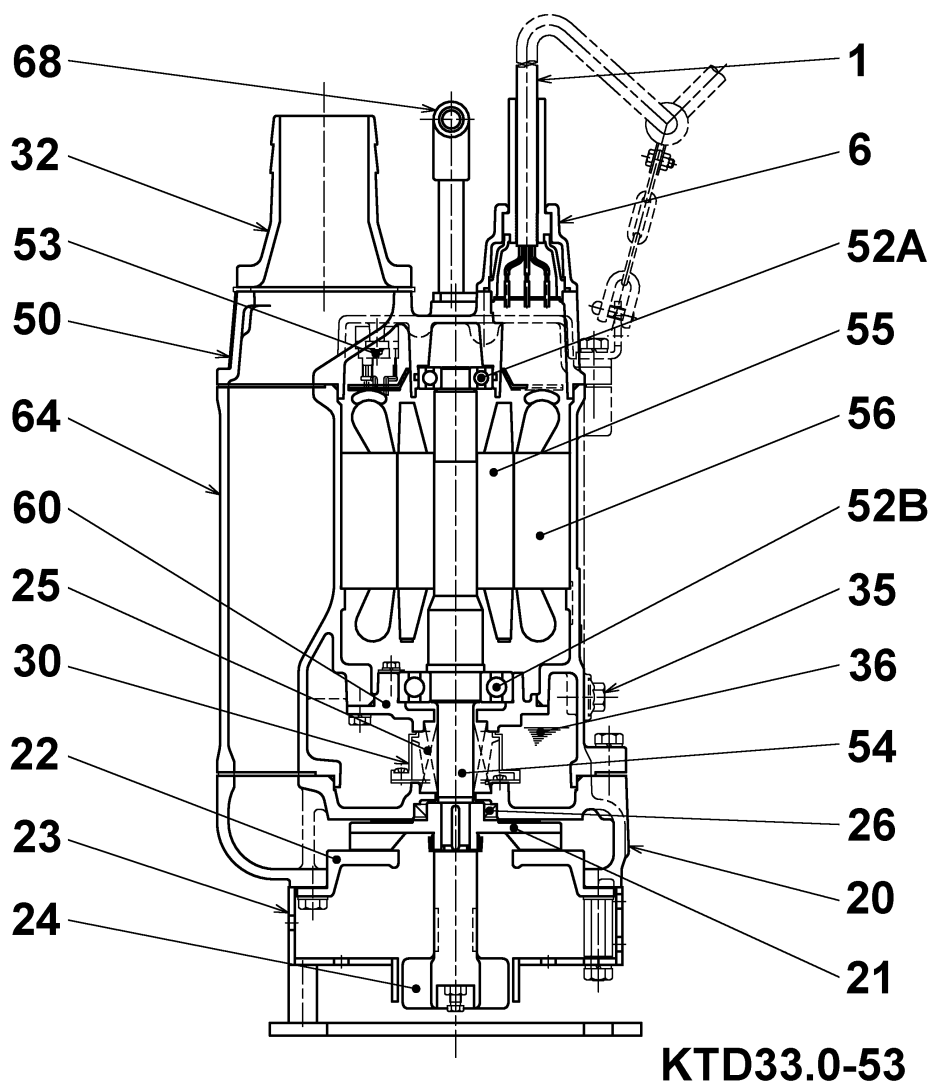


**KTD33.0-53**

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

# Sectional drawing

## KTD33.0-53



**KTD33.0-53**

| No. | Description        | Remark                  | No. | Description                                          | Remark                       |
|-----|--------------------|-------------------------|-----|------------------------------------------------------|------------------------------|
| 1   | Cable              | 20m NSSHÖU              | 53  | Motor Protector 380/400/415V-50Hz.KA314-HRXL00 (H.C) |                              |
| 6   | Stuffing box       | FC200 (EN-GJL-200)      | 54  | Shaft                                                | SUS420J2 (EN-X30Cr13)        |
| 20  | Pump casing        | FC200 (EN-GJL-200)      | 55  | Rotor                                                | .                            |
| 21  | Impeller           | Chromium iron casting   | 56  | Stator                                               | .                            |
| 22  | Suction cover      | FCD50 (EN-GJS-500-7)    | 60  | Bearing Housing                                      | FC150 (EN-GJL-150)           |
| 23  | Strainer           | Steel plate             | 64  | Motor Frame                                          | FC150 (EN-GJL-150)           |
| 25  | Mechanical seal    | H-25T                   | 68  | Handle                                               | steel pipe / Sectional steel |
| 24  | Agitator           | FCD700 (EN-GJS-700-2)   |     |                                                      |                              |
| 26  | Oil seal           | TC40588                 |     |                                                      |                              |
| 30  | Oil distributor    | Plastic                 |     |                                                      |                              |
| 32  | Discharge coupling | Aluminium alloy casting |     |                                                      |                              |
| 35  | Oil screw          | SUS304 (EN-X5CrNi18-10) |     |                                                      |                              |
| 36  | Lubricant          | Turbine oil (ISO VG32)  |     |                                                      |                              |
| 50  | Main cover         | FC150 (EN-GJL-150)      |     |                                                      |                              |
| 52A | Upper bearing      | 6304ZZC3                |     |                                                      |                              |
| 52B | Lower bearing      | 6307ZZC3                |     |                                                      |                              |