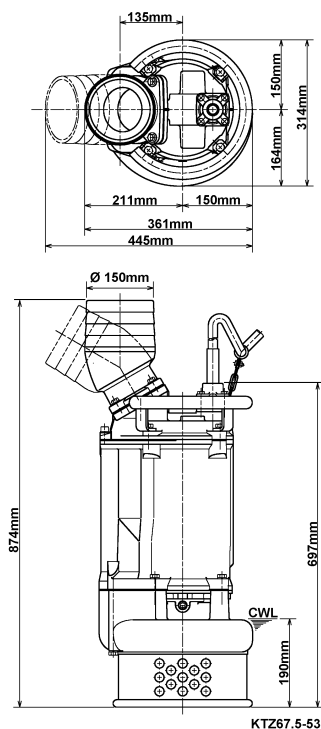
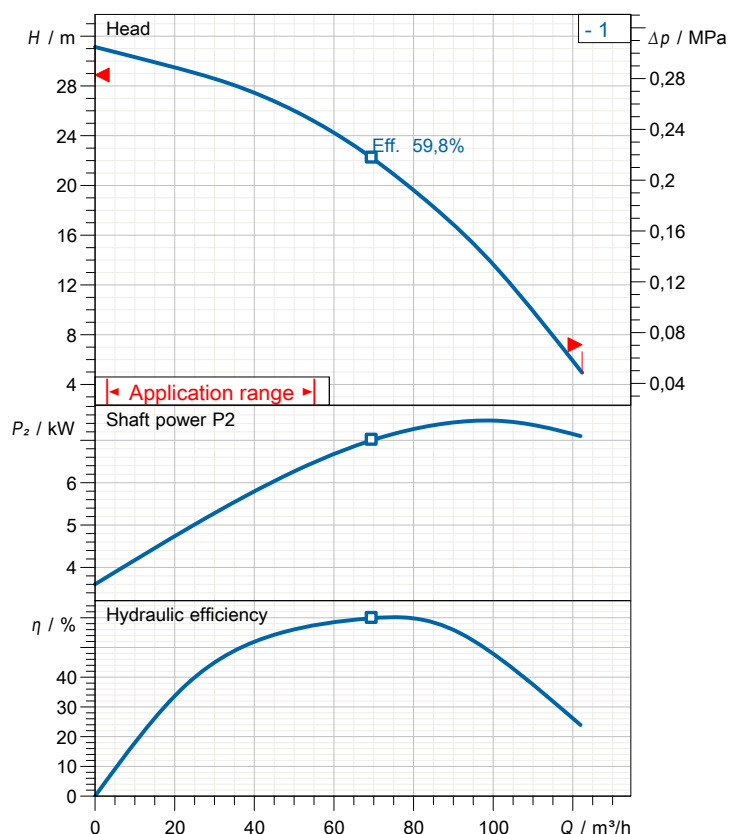


# Data sheet KTZ67.5-53



CWL: Continuous running water level



## Specification

Elektrische Tauchpumpe KTZ-Serie  
 Degree of protection IP 68  
 Pressure resistance max. 25 m  
 Type of impeller Semi-open  
 Max. solid handling 20 mm  
 Suitable for:  
 spring-/rain-/waste-/ground water, water containing sand

## Electric motor

Dry-type submersible induction motor  
 Insulation class F 2Poles 2945 1/min  
 Starting mode Direct starting  
 Rated voltage 400 V 50 Hz 3~  
 Power uptake 9,19 kW  
 Rated power 7,50 kW  
 Rated current 15,1 A  
 Start current 117,9 A

## Cable

20m NSSHÖU 4Cx4mm²

## 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 HiCrFC  |
| 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

6" (150mm) BS-coupling (threaded flange)

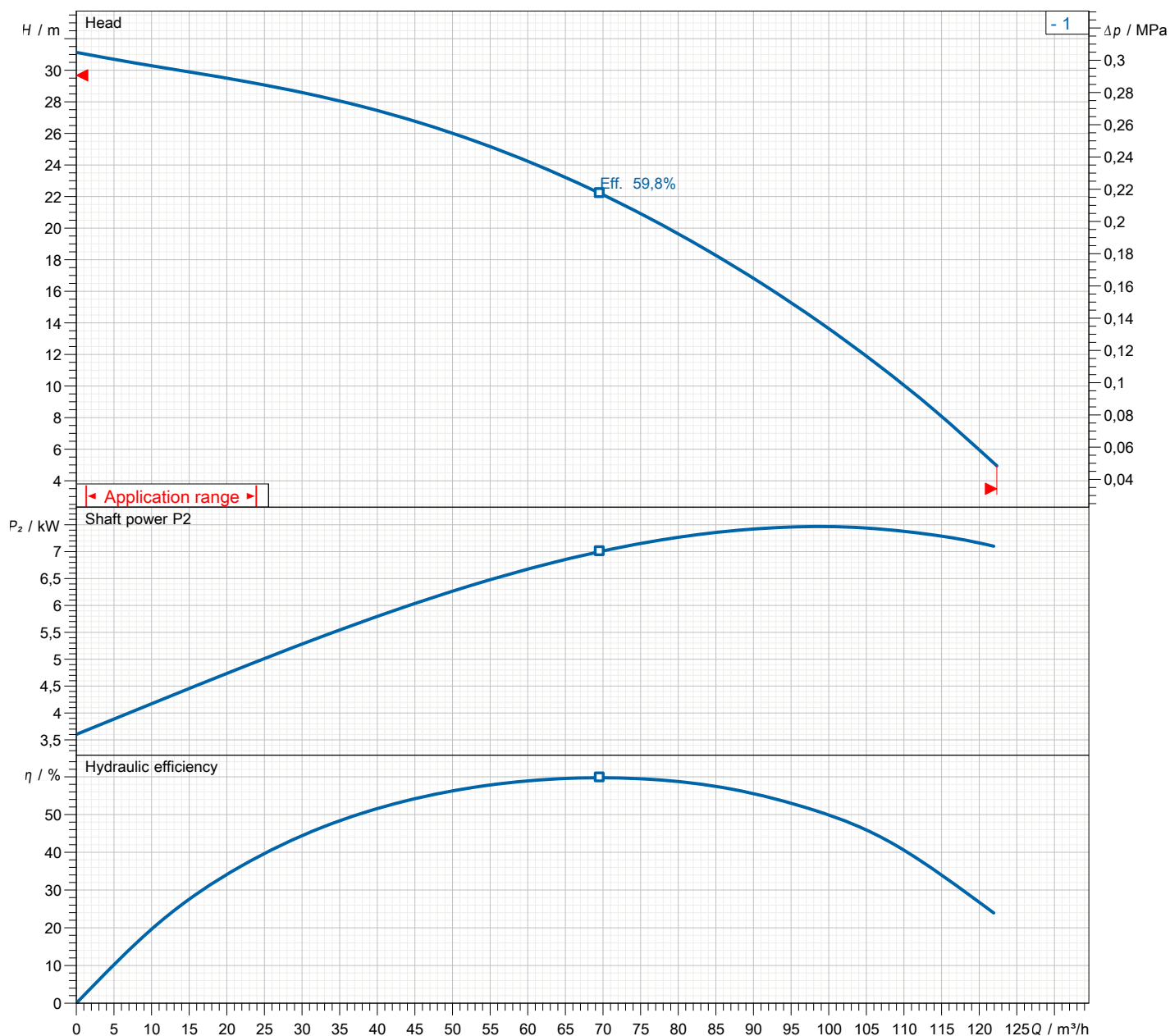
## Weight

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

# Performance curve

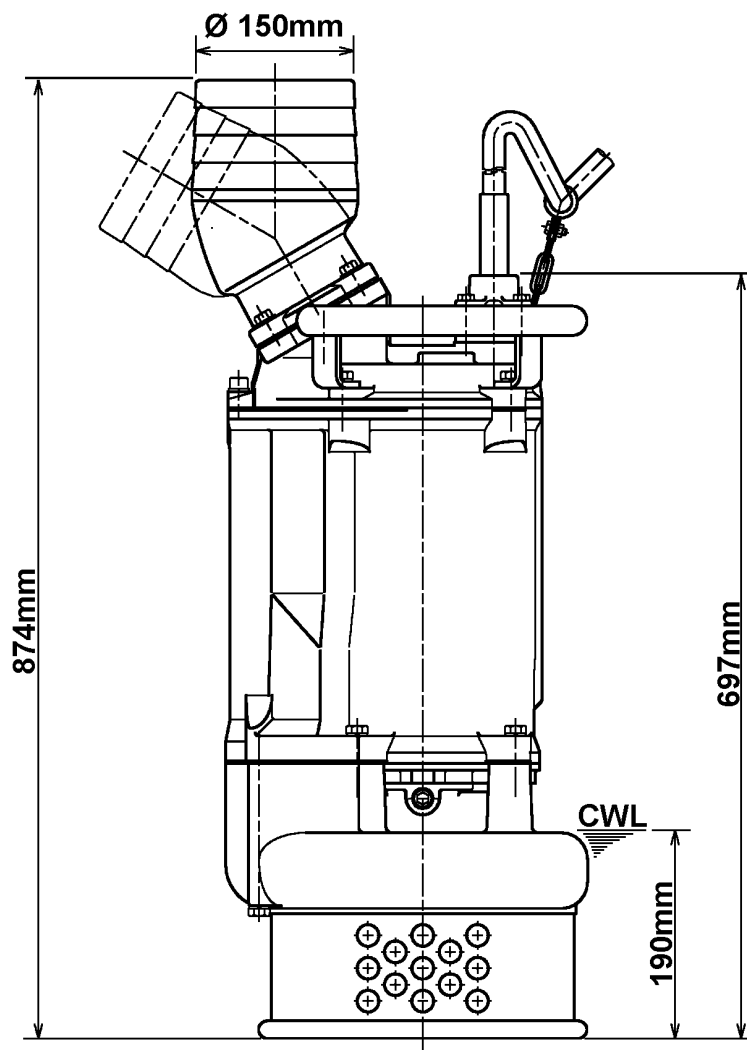
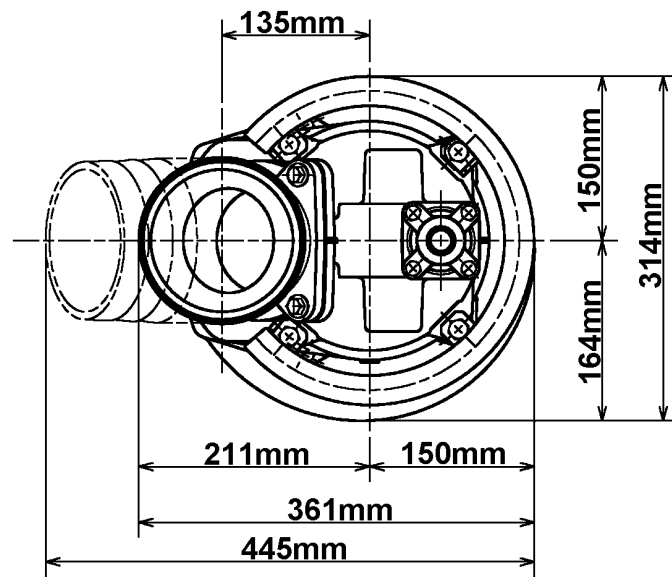
## KTZ67.5-53

|                  |                 |
|------------------|-----------------|
| Discharge port   | 6"              |
| FördH            | 31,1 m          |
| Flow             | 122,3 m³/h      |
| Rated power      | 7,50 kW         |
| Power input      | 9,19 kW         |
| Phases           | 3~              |
| Voltages         | 400 V           |
| Frequency        | 50 Hz           |
| Rated current    | 15,1 A          |
| Starting current | 117,93 A        |
| Number of poles  | 2               |
| Speed            | 2945 1/min      |
| Starting mode    | Direct starting |
| Insulation class | F               |



# Dimensions

## KTZ67.5-53

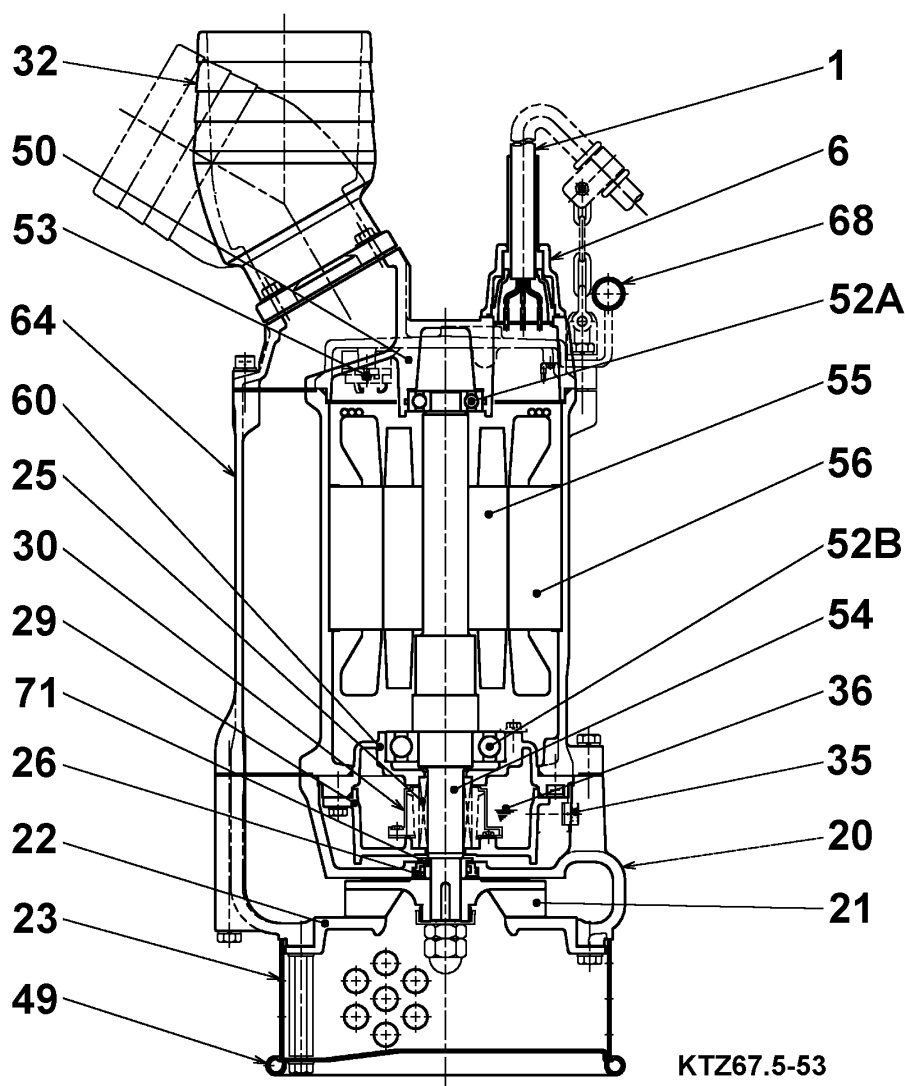


KTZ67.5-53

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

# Sectional drawing

## KTZ67.5-53



KTZ67.5-53

| No. | Description         | Remark                  | No. | Description                       | Remark                       |
|-----|---------------------|-------------------------|-----|-----------------------------------|------------------------------|
| 1   | Cable               | 20m NSSHÖU              | 52B | Lower bearing                     | 6309ZZC3                     |
| 6   | Stuffing box        | FC200 (EN-GJL-200)      | 53  | Motor Protector 380/400/415V-50Hz | KA314-HRXL00 (H.C)           |
| 20  | Pump casing         | FC200 (EN-GJL-200)      | 54  | Shaft                             | SUS420J2 (EN-X30Cr13)        |
| 21  | Impeller            | Chromium Iron HiCrFC    | 55  | Rotor                             | .                            |
| 22  | Suction cover       | FCD50 (EN-GJS-500-7)    | 56  | Stator                            | .                            |
| 23  | Strainer            | Steel plate             | 60  | Bearing Housing                   | FC150 (EN-GJL-150)           |
| 25  | Mechanical seal     | HT-3035N                | 64  | Motor Frame                       | FC150 (EN-GJL-150)           |
| 26  | Labyrinth ring only | SUS304 (EN-X5CrNi18-10) | 68  | Handle                            | steel pipe / Sectional steel |
| 29  | Oil casing          | FC200 (EN-GJL-200)      | 71  | Shaft protection sleeve           | SUS403 (EN-X6Cr13)           |
| 30  | Oil distributor     | Plastic                 |     |                                   |                              |
| 32  | Discharge coupling  | Aluminium alloy casting |     |                                   |                              |
| 35  | Oil screw           | SUS304 (EN-X5CrNi18-10) |     |                                   |                              |
| 36  | Lubricant           | Turbine oil (ISO VG32)  |     |                                   |                              |
| 49  | Bottom Plate        | Steel plate             |     |                                   |                              |
| 50  | Main cover          | FC150 (EN-GJL-150)      |     |                                   |                              |
| 52A | Upper bearing       | 6305ZZC3                |     |                                   |                              |