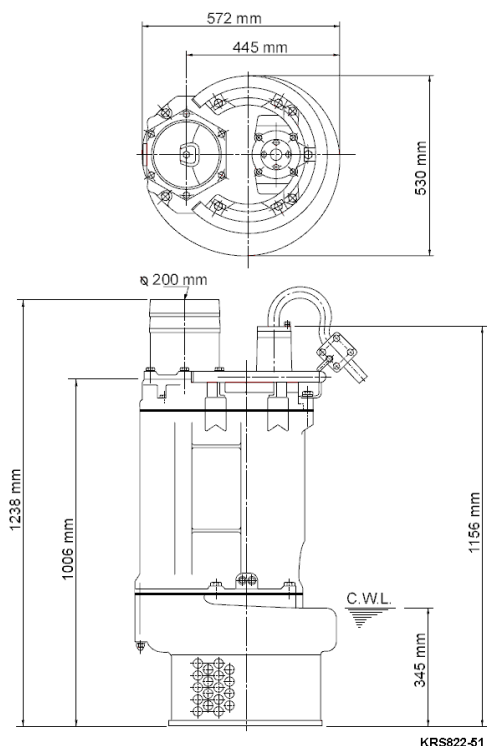
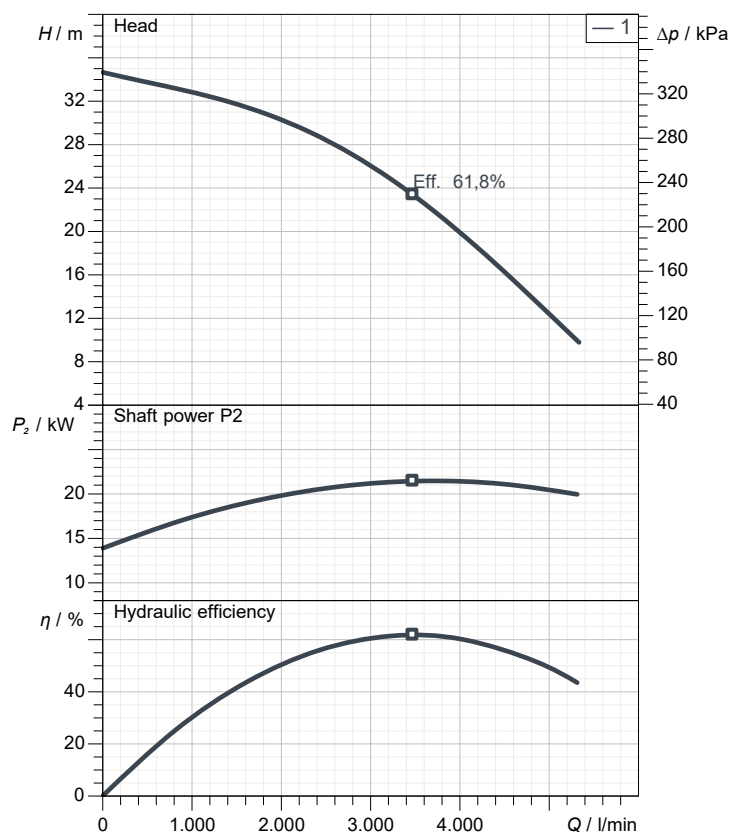


# Data sheet KRS822-51



CWL: Continuous running water level



## Specification

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

## Electric motor

Dry-type submersible induction motor  
 Insulation class F 4Poles 1.455 1/min  
 Starting mode Direct starting  
 Rated voltage 400 V 50 Hz 3~  
 Power uptake 27,09 kW  
 Rated power 22,00 kW  
 Rated current 44,6 A  
 Start current 316,2 A

## Cable

20m NSSHÖU 4Cx10mm2

## 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 silicon carbide

## Bearings

Shielded ball bearings, maintenance-free

## Materials

|               |                       |
|---------------|-----------------------|
| Impeller      | FCD700 (EN-GJS-700-2) |
| Pump casing   | FC200 (EN-GJL-200)    |
| Suction cover | FC200 (EN-GJL-200)    |
| Motor Frame   | FC200 (EN-GJL-200)    |
| Shaft         | SUS420J2 (EN-X30Cr13) |

## Discharge size

8" (200mm) hose coupling

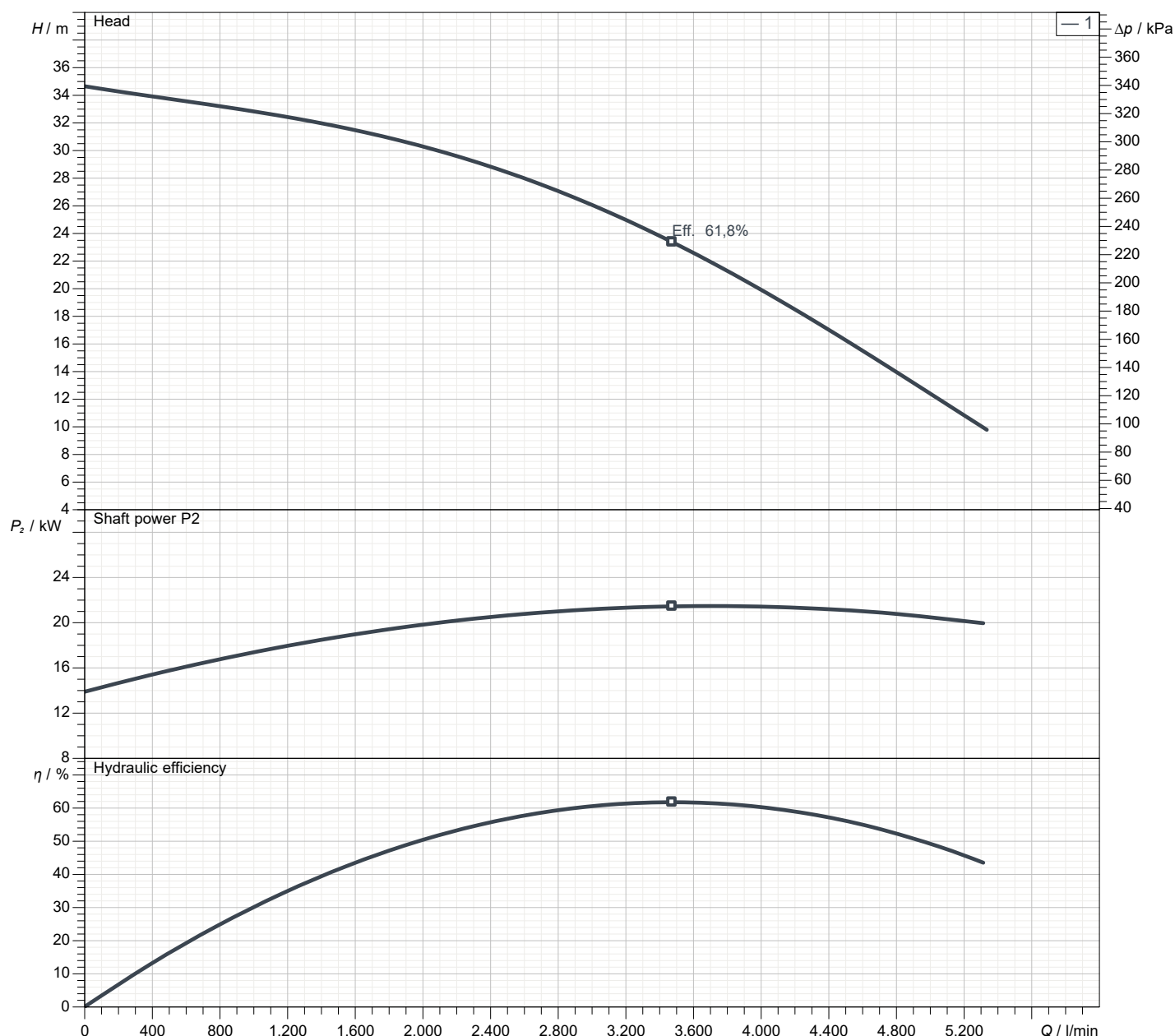
## Weight

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

# Performance curve

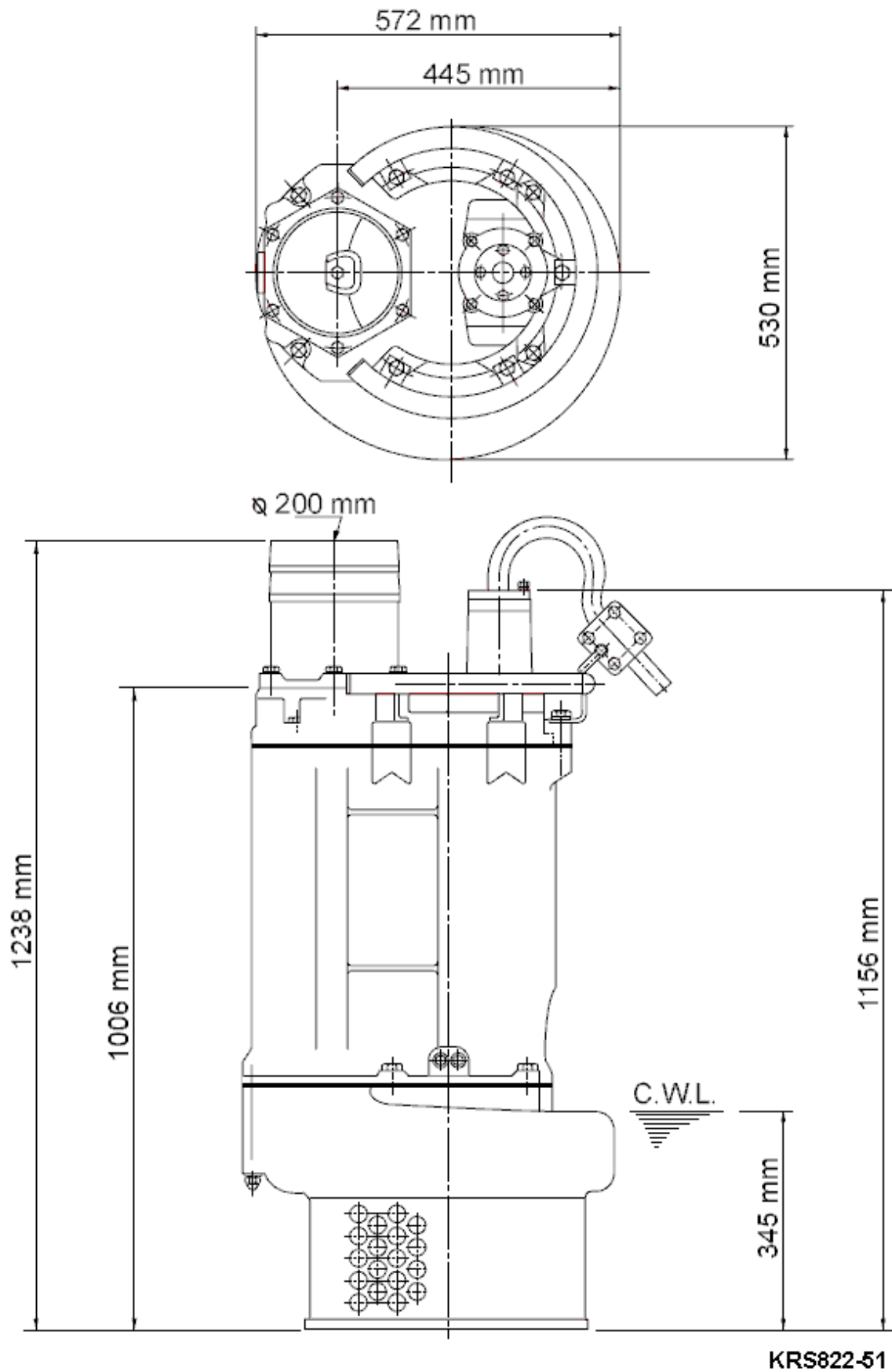
## KRS822-51

|                  |                 |
|------------------|-----------------|
| Discharge port   | 8"              |
| Head             | 34,7 m          |
| Flow             | 5.334,3 l/min   |
| Rated power      | 22,00 kW        |
| Power input      | 27,09 kW        |
| Phases           | 3~              |
| Voltages         | 400 V           |
| Frequency        | 50 Hz           |
| Rated current    | 44,6 A          |
| Starting current | 316,21 A        |
| Number of poles  | 4               |
| Speed            | 1.455 1/min     |
| Starting mode    | Direct starting |
| Insulation class | F               |



# Dimensions

## KRS822-51



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

**KRS822-51**



| No. | Description                       | Remark                  | No. | Description     | Remark                   |
|-----|-----------------------------------|-------------------------|-----|-----------------|--------------------------|
| 1   | Cable                             | 20m NSSHÖU              | 54  | Shaft           | SUS420J2 (EN-X30Cr13)    |
| 6   | Stuffing box                      | FC200 (EN-GJL-200)      | 55  | Rotor           | .                        |
| 20  | Pump casing                       | FC200 (EN-GJL-200)      | 56  | Stator          | .                        |
| 21  | Impeller                          | FCD700 (EN-GJS-700-2)   | 60  | Bearing Housing | FC200 (EN-GJL-200)       |
| 22  | Suction cover                     | FC200 (EN-GJL-200)      | 64  | Motor Frame     | FC200 (EN-GJL-200)       |
| 23  | Strainer                          | Steel plate             | 68  | Handle          | electroplated steel pipe |
| 25  | Mechanical seal                   | H-45X                   |     |                 |                          |
| 26  | Oil seal                          | TC709212                |     |                 |                          |
| 32  | Discharge coupling                | FC200 (EN-GJL-200)      |     |                 |                          |
| 35  | Oil screw                         | SUS304 (EN-X5CrNi18-10) |     |                 |                          |
| 36  | Lubricant                         | Turbine oil (ISO VG32)  |     |                 |                          |
| 49  | Bottom Plate                      | Steel plate SPCC        |     |                 |                          |
| 50  | Main cover                        | FC200 (EN-GJL-200)      |     |                 |                          |
| 52A | Upper bearing                     | 6309ZZC3                |     |                 |                          |
| 52B | Lower bearing                     | 6314ZZC3                |     |                 |                          |
| 53  | Motor Protector 380/400/415V-50Hz | KA314-HRXL00 (H.C)      |     |                 |                          |