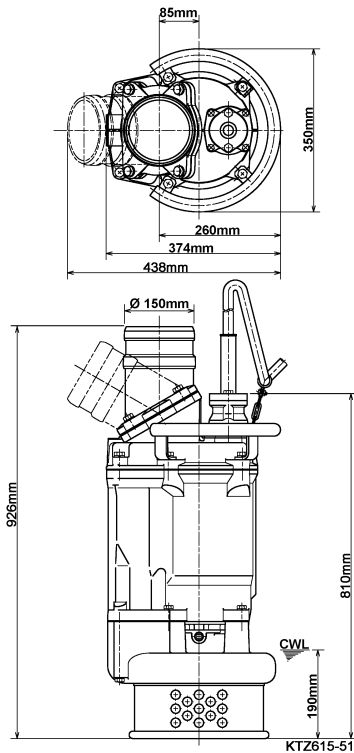
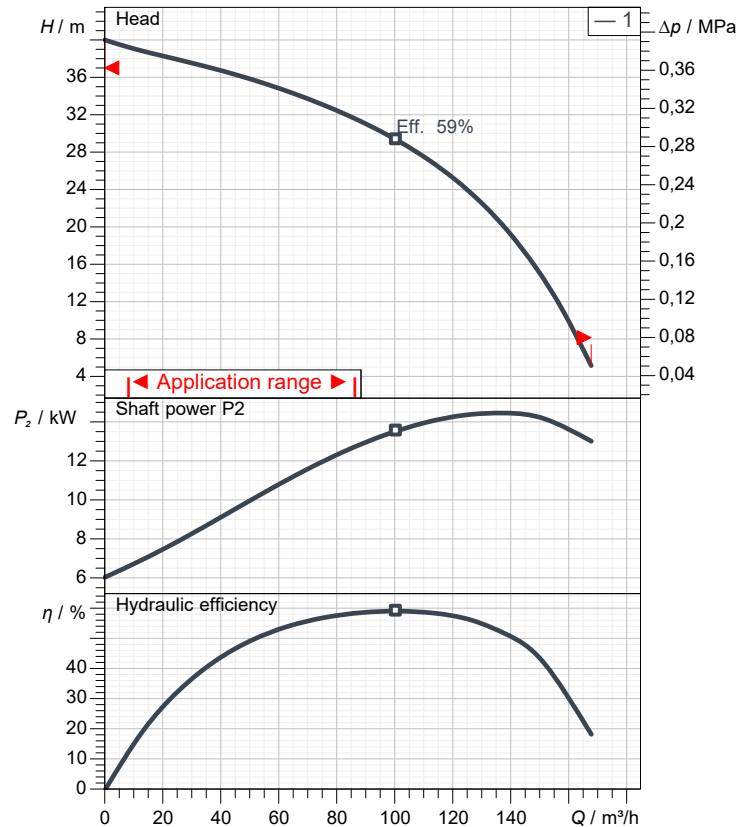


Data sheet KTZ615-51



CWL: Continuous running water level



Specification

Electric submersible pump KTZ-series
 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 2.890 1/min
 Starting mode Direct starting
 Rated voltage 400 V 50 Hz 3~
 Power uptake 17,80 kW
 Rated power 15,00 kW
 Rated current 28,3 A
 Start current 170,1 A

Cable

20m NSSHÖU 4Cx6mm²

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 / Hose Coupling (optional)

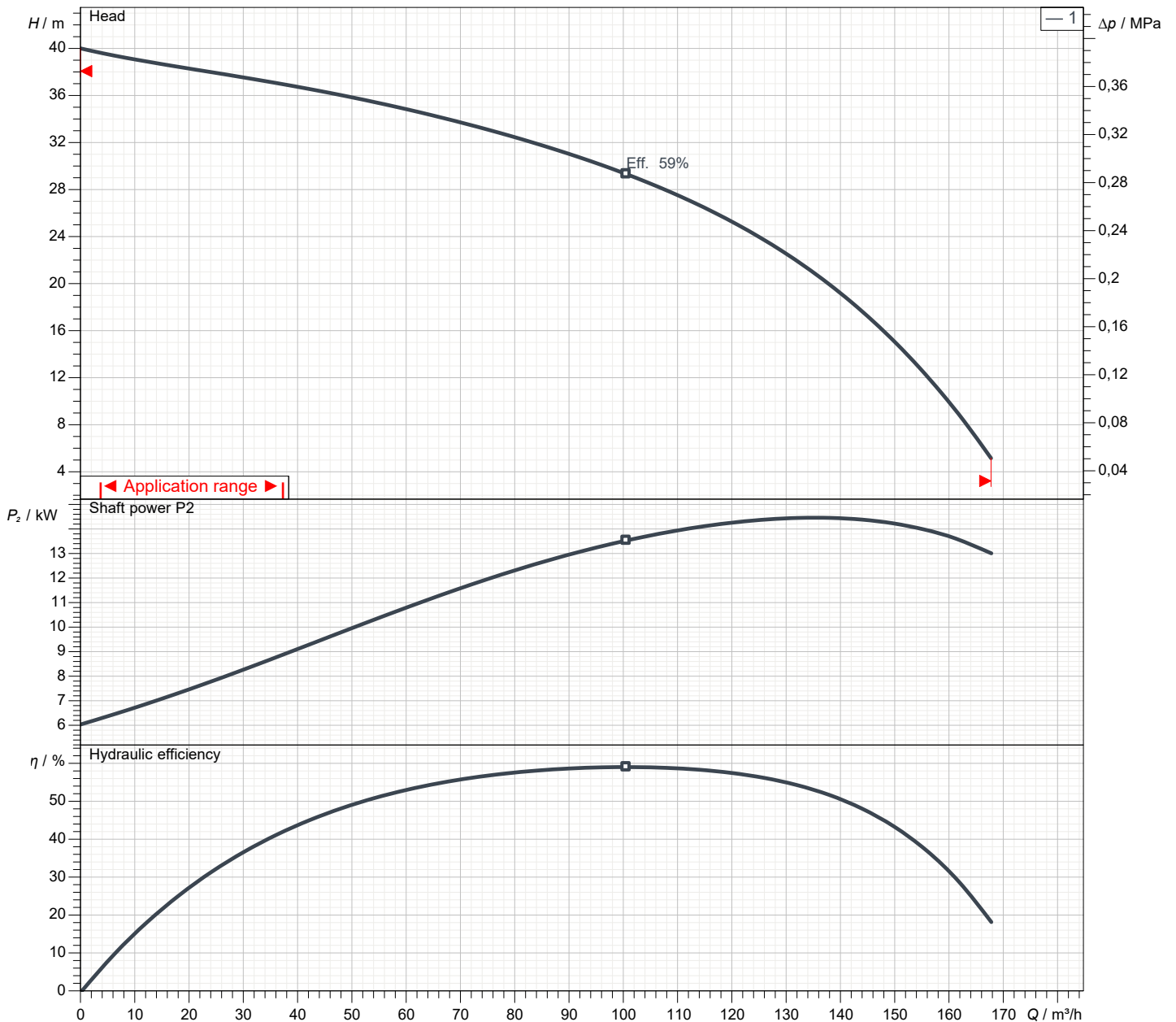
Weight

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

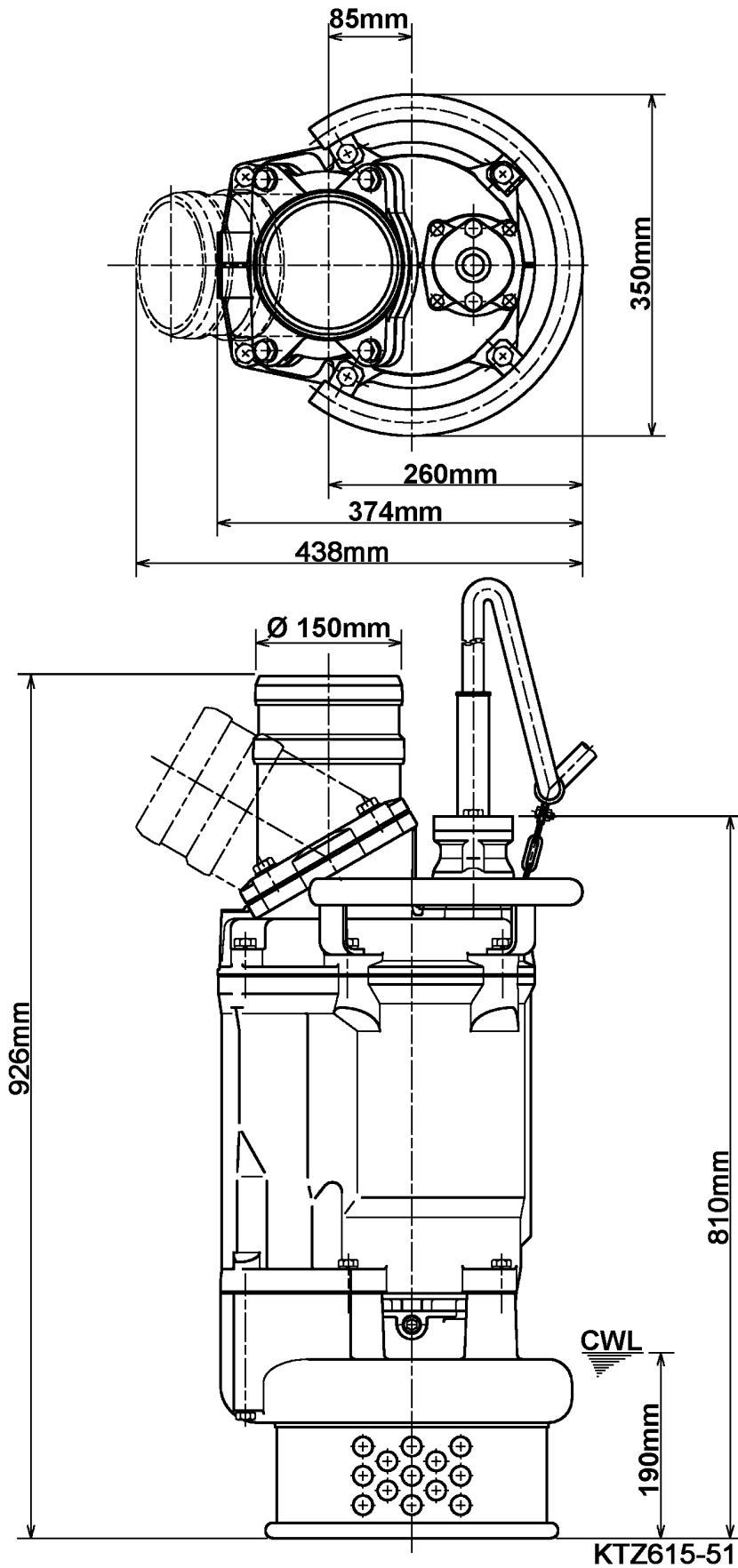
Performance curve

KTZ615-51

| | |
|------------------|-------------------------|
| Discharge port | 6" |
| Head | 40,0 m |
| Flow | 167,8 m ³ /h |
| Rated power | 15,00 kW |
| Power input | 17,80 kW |
| Phases | 3~ |
| Voltages | 400 V |
| Frequency | 50 Hz |
| Rated current | 28,3 A |
| Starting current | 170,08 A |
| Number of poles | 2 |
| Speed | 2.890 1/min |
| Starting mode | Direct starting |
| Insulation class | F |

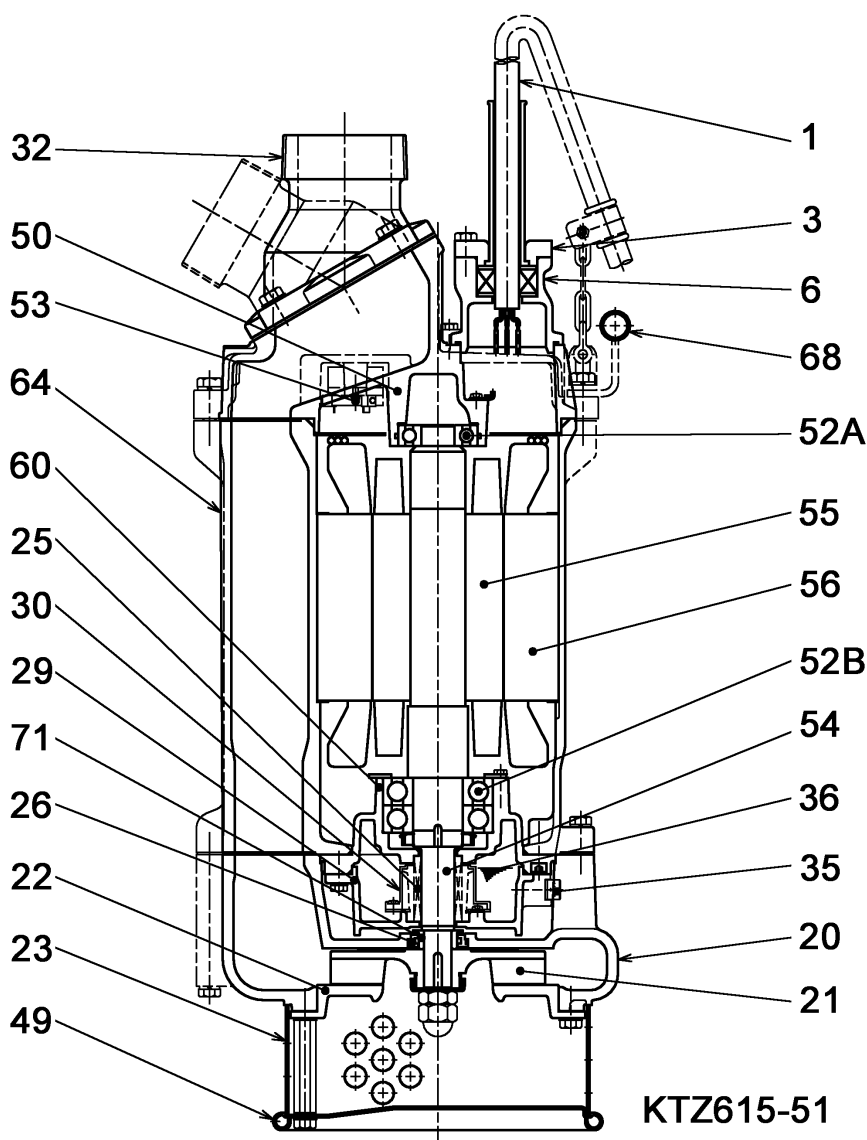


Dimensions KTZ615-51



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

Sectional drawing KTZ615-51



| No. | Description | Remark | No. | Description | Remark |
|-----|---------------------|-------------------------|-----|-----------------------------------|------------------------------|
| 1 | Cable | 20m NSSHÖU | 52A | Upper bearing | 6306ZZC3 |
| 3 | Gland | FC200 (EN-GJL-200) | 52B | Lower bearing | 6309ZZD2C3 |
| 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 | H-30T | 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 | 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 | FC150 (EN-GJL-150) | | | |