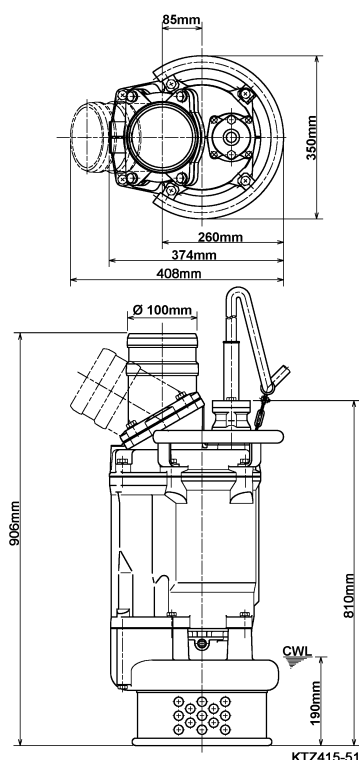
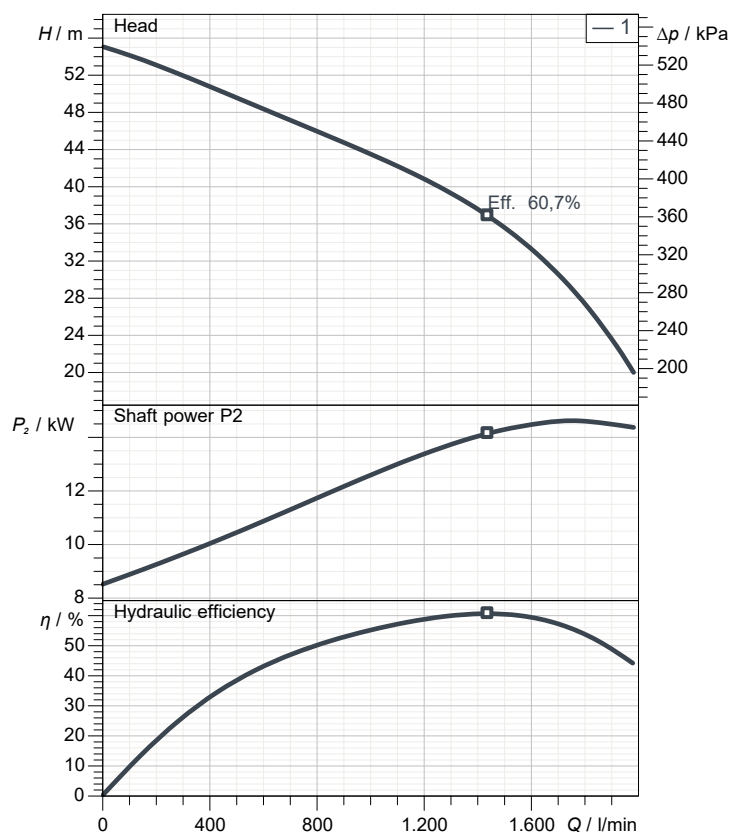


Data sheet KTZ415-51



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 12 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

4" (100mm) BS-Coupling / Hose Coupling (optional)

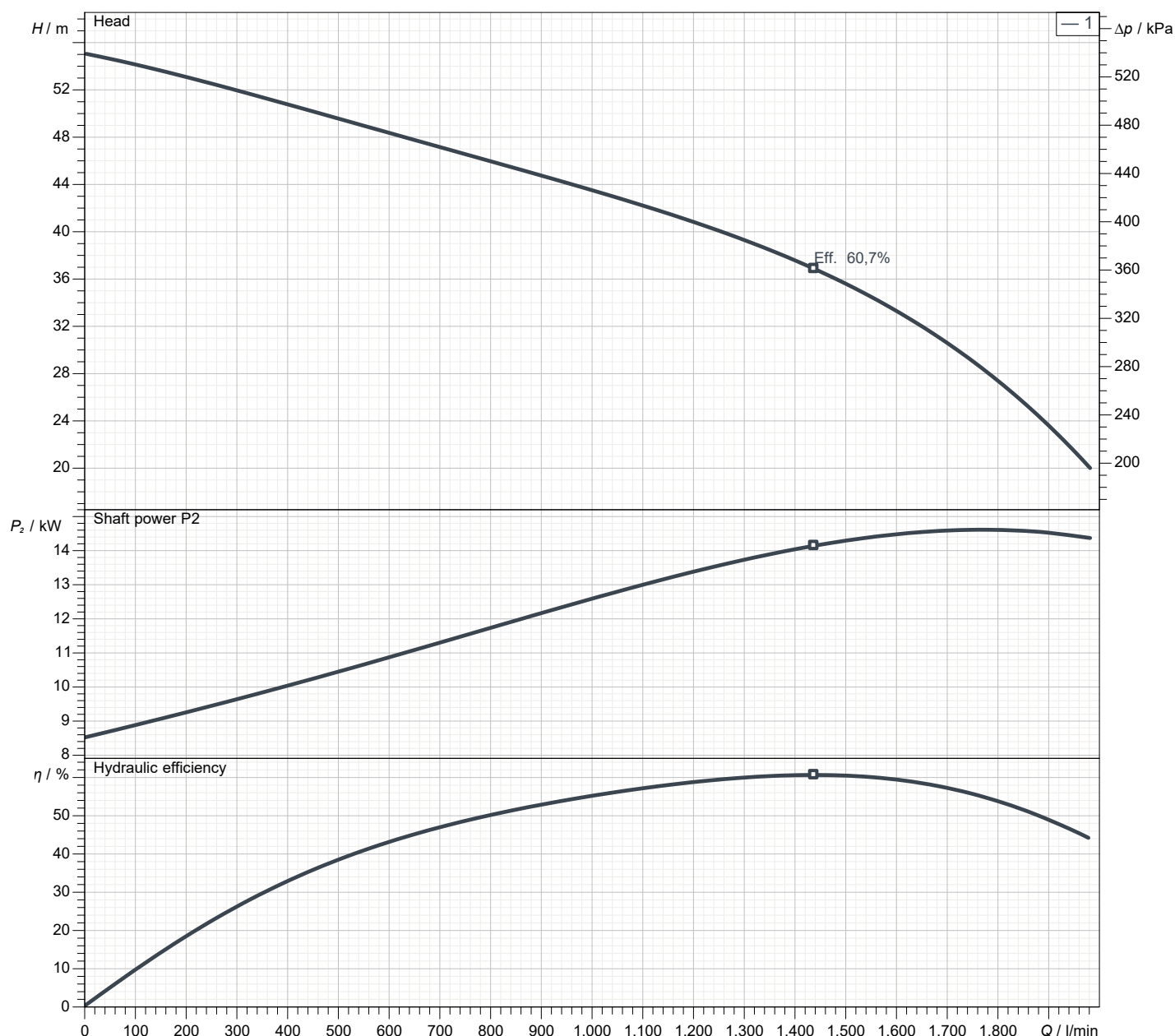
Weight

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

Performance curve

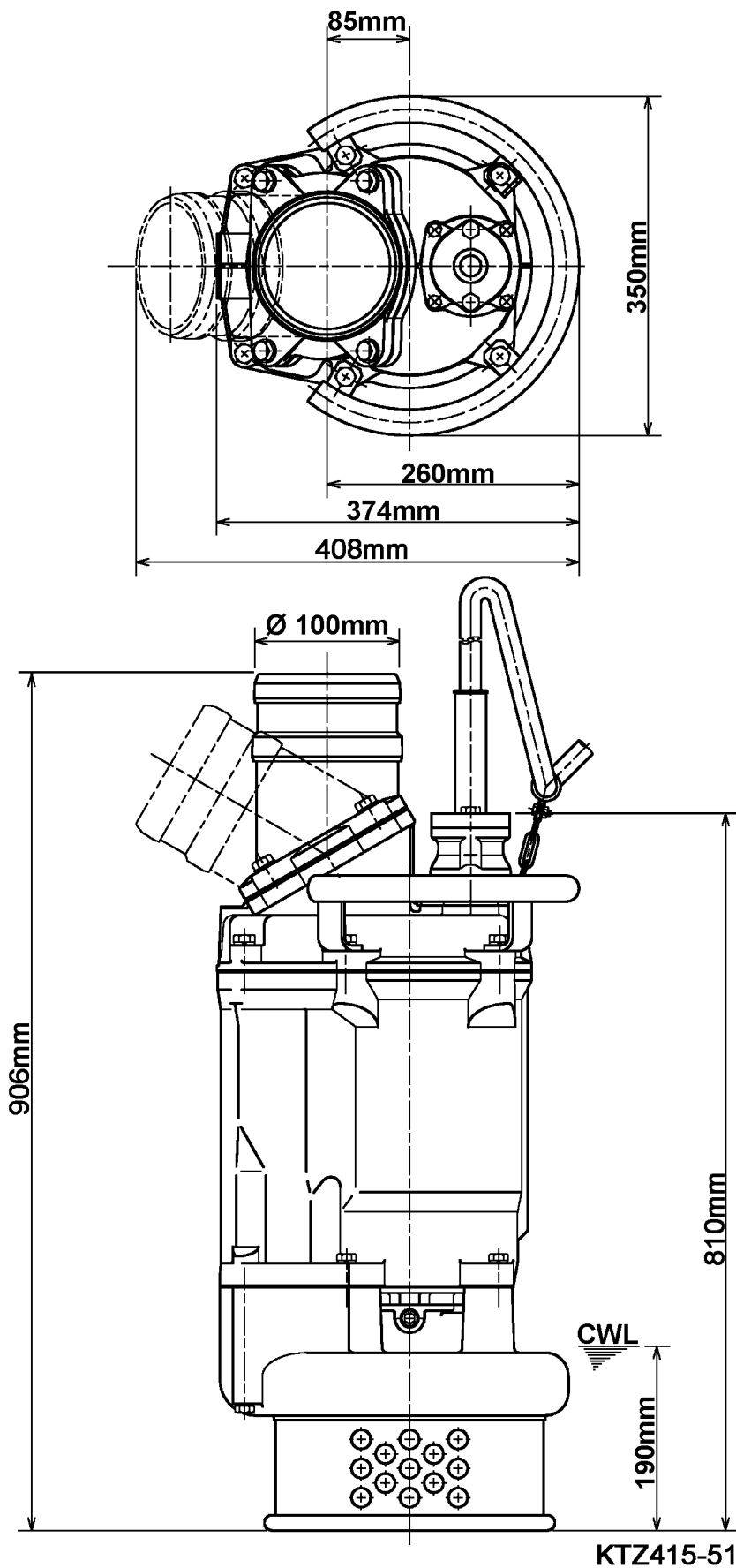
KTZ415-51

Discharge port	4"
Head	55,0 m
Flow	1.981,7 l/min
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

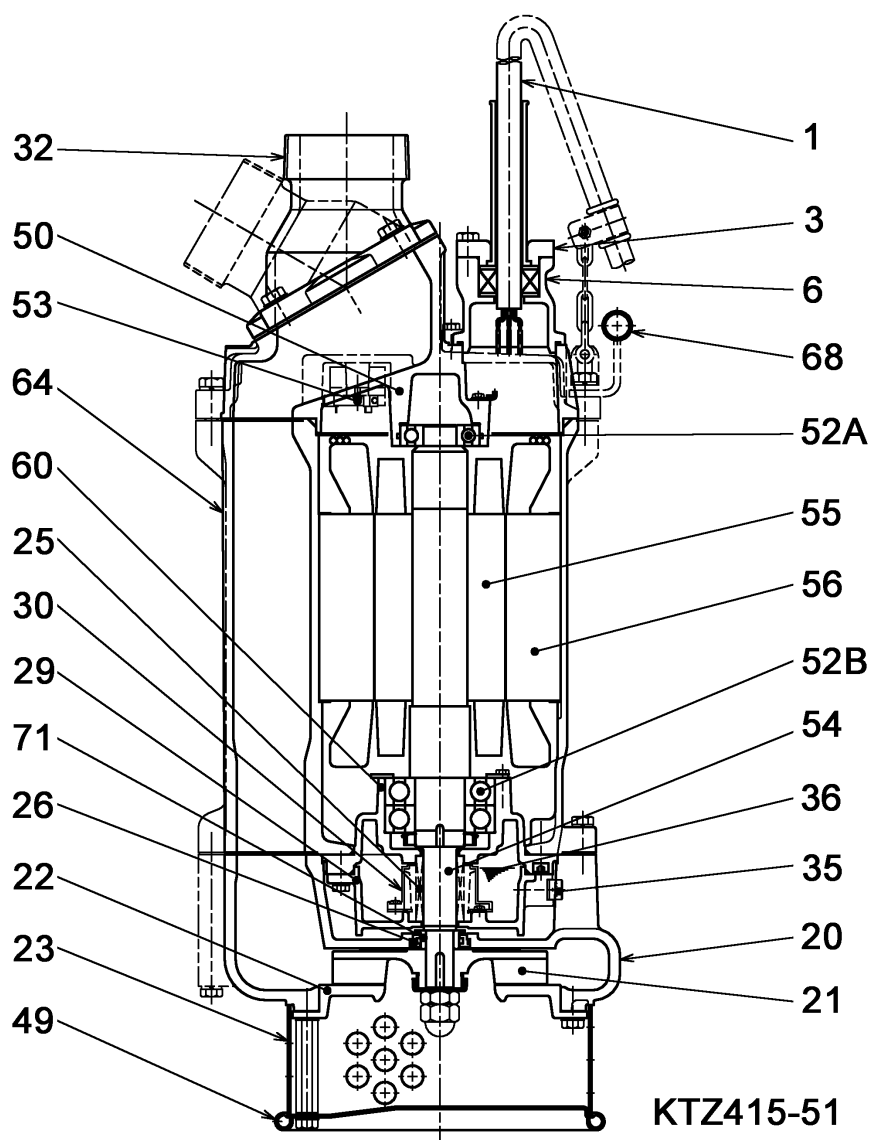
KTZ415-51



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

Sectional drawing

KTZ415-51



KTZ415-51

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)
26A	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			
50	Main cover	FC150 (EN-GJL-150)			