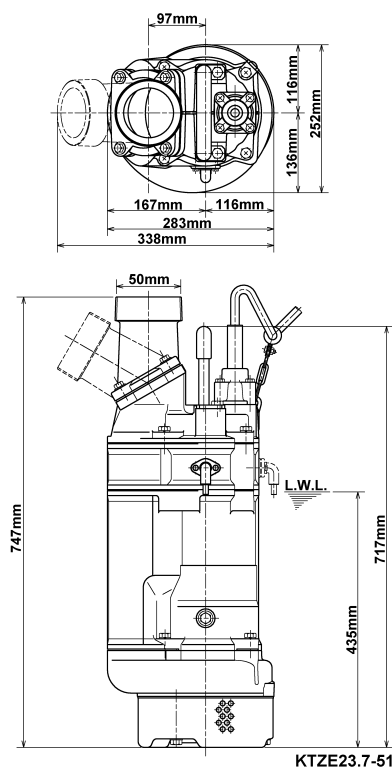
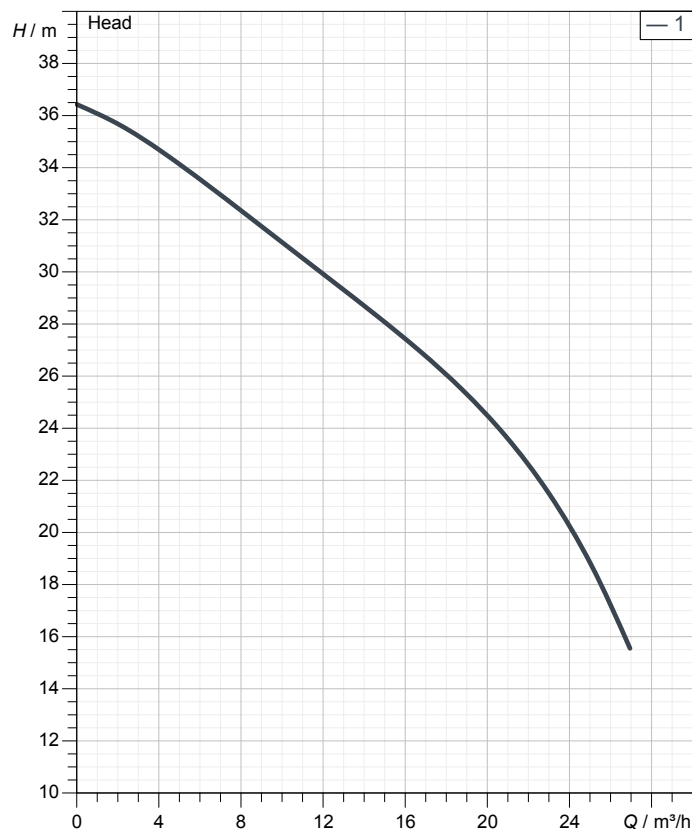


Data sheet KTZE23.7-51



CWL: Continuous running water level



Specification

Electric submersible pump KTZE-series

Degree of protection IP 68

Pressure resistance max. 25 m

Type of impeller Semi-open

Max. solid handling 8,5 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 4,91 kW

Rated power 3,70 kW

Rated current 7,7 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 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

2" (50mm) Hose Coupling / BS-Coupling (optional)

Weight

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

Performance curve

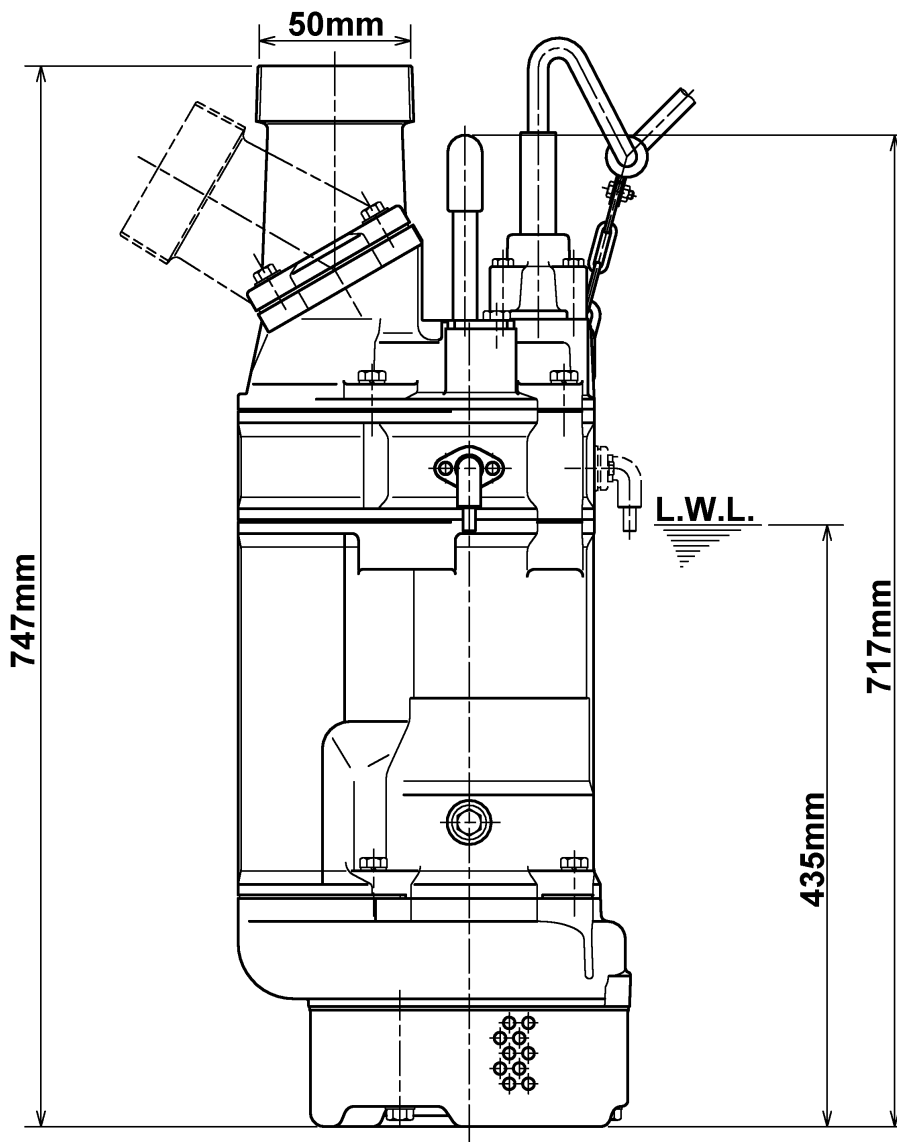
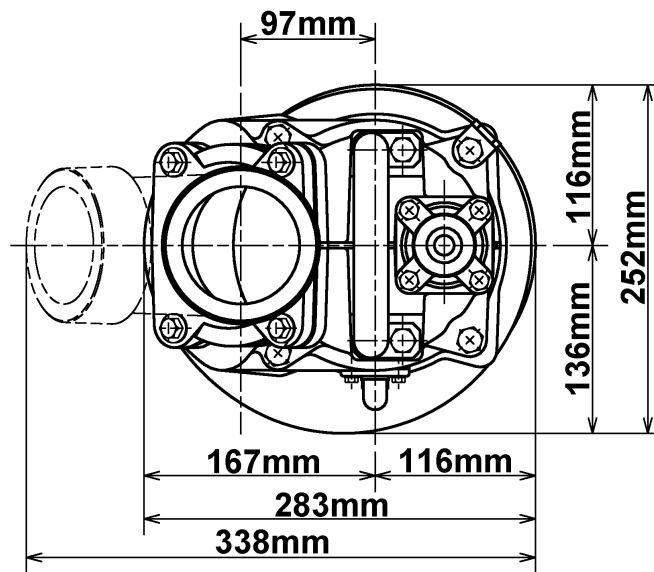
KTZE23.7-51

Discharge port	2"
Head	36,4 m
Flow	26,9 m³/h
Rated power	3,70 kW
Power input	4,91 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	7,7 A
Starting current	57,98 A
Number of poles	2
Speed	2850 1/min
Starting mode	Direct starting
Insulation class	F



Dimensions

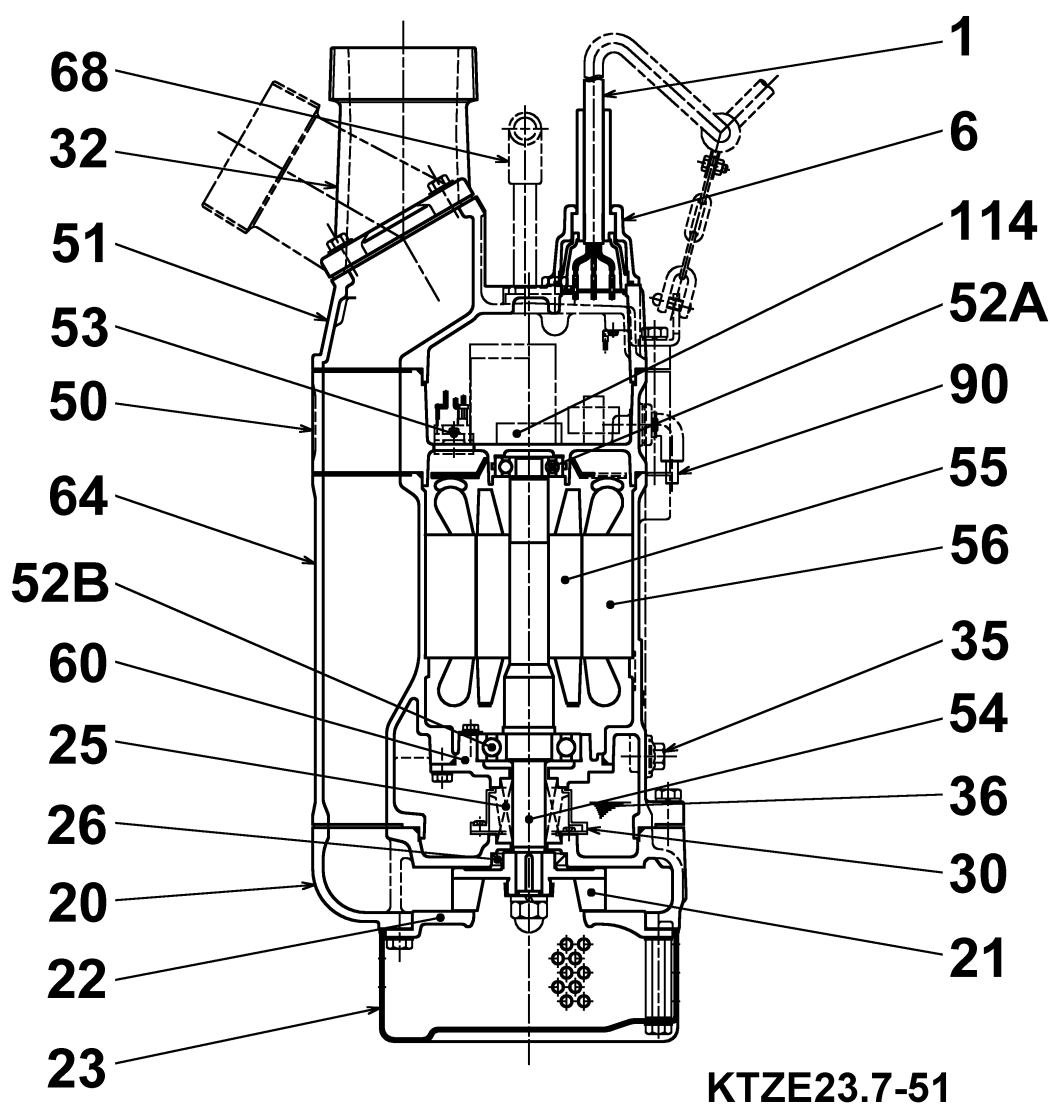
KTZE23.7-51



KTZE23.7-51

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

Sectional drawing KTZE23.7-51



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 HiCrFC	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
26	Oil seal	TC40588	71	Shaft protection sleeve	SUS304 (EN-X5CrNi18-10)
30	Oil distributor	Plastic	90	Electrode	.
32	Discharge coupling	FC200 (EN-GJL-200)	114	Relais	.
35	Oil screw	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
50	Lower motor cover	FC150 (EN-GJL-150)			
51	Upper motor cover	FC150 (EN-GJL-150)			
52A	Upper bearing	6304ZZC3			
52B	Lower bearing	6307ZZC3			