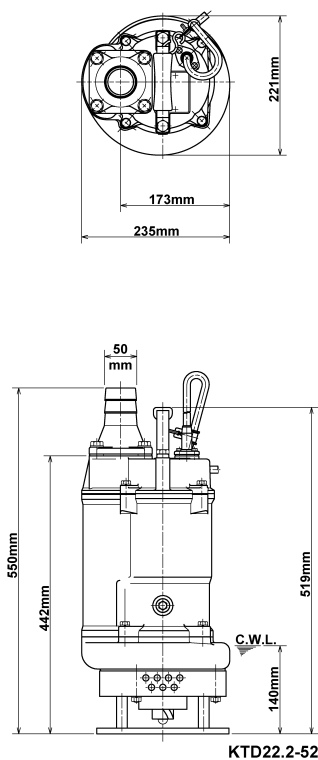


Data sheet KTD22.2-52



CWL: Continuous running water level



Specification

Electric submersible pump with agitator
Degree of protection IP 68
Pressure resistance max. 25 m
Type of impeller Semi-open
Max. solid handling 10 mm
Suitable for:
spring-/rain-/waste-/ground water, water containing sand

Electric motor

Dry-type submersible induction motor
Insulation class F 2Poles 2883 1/min
Starting mode Direct starting
Rated voltage 400 V 50 Hz 3~
Power uptake 3.20 kW
Rated power 2.20 kW
Rated current 5 A
Start current 32.1 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 silicon carbide

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller	Chromium Iron HiCrFC
Agitator	FCD700 (EN-GJS-700-2)
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) BS-Coupling / Hose Coupling (optional)

Weight

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

Performance curve

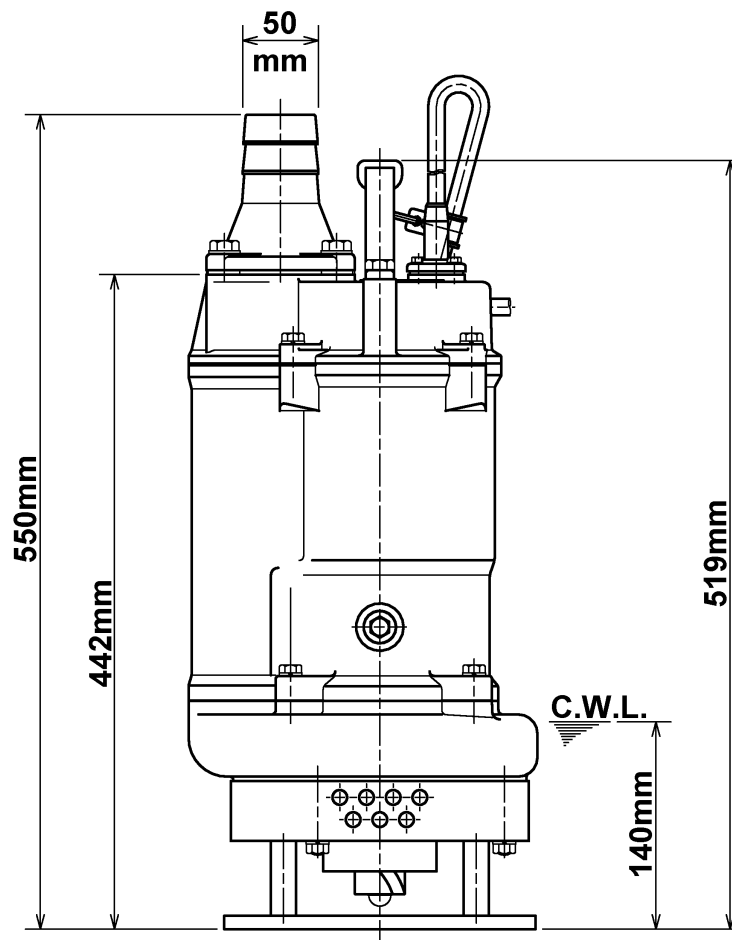
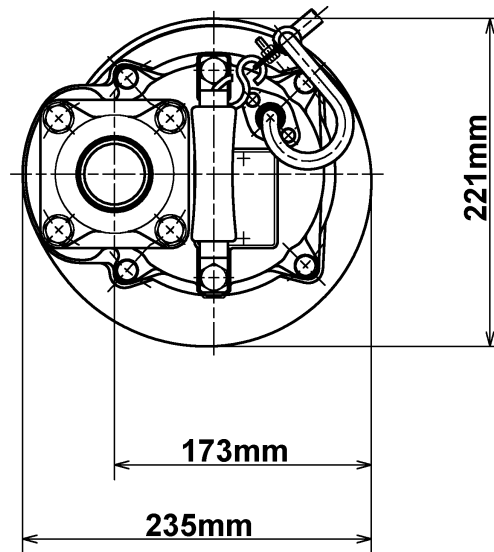
KTD22.2-52

Discharge port	2"
Head	21.5 m
Flow	33.0 m³/h
Rated power	2.20 kW
Power input	3.20 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	5 A
Starting current	32.08 A
Number of poles	2
Speed	2883 1/min
Starting mode	Direct starting
Insulation class	F



Dimensions

KTD22.2-52

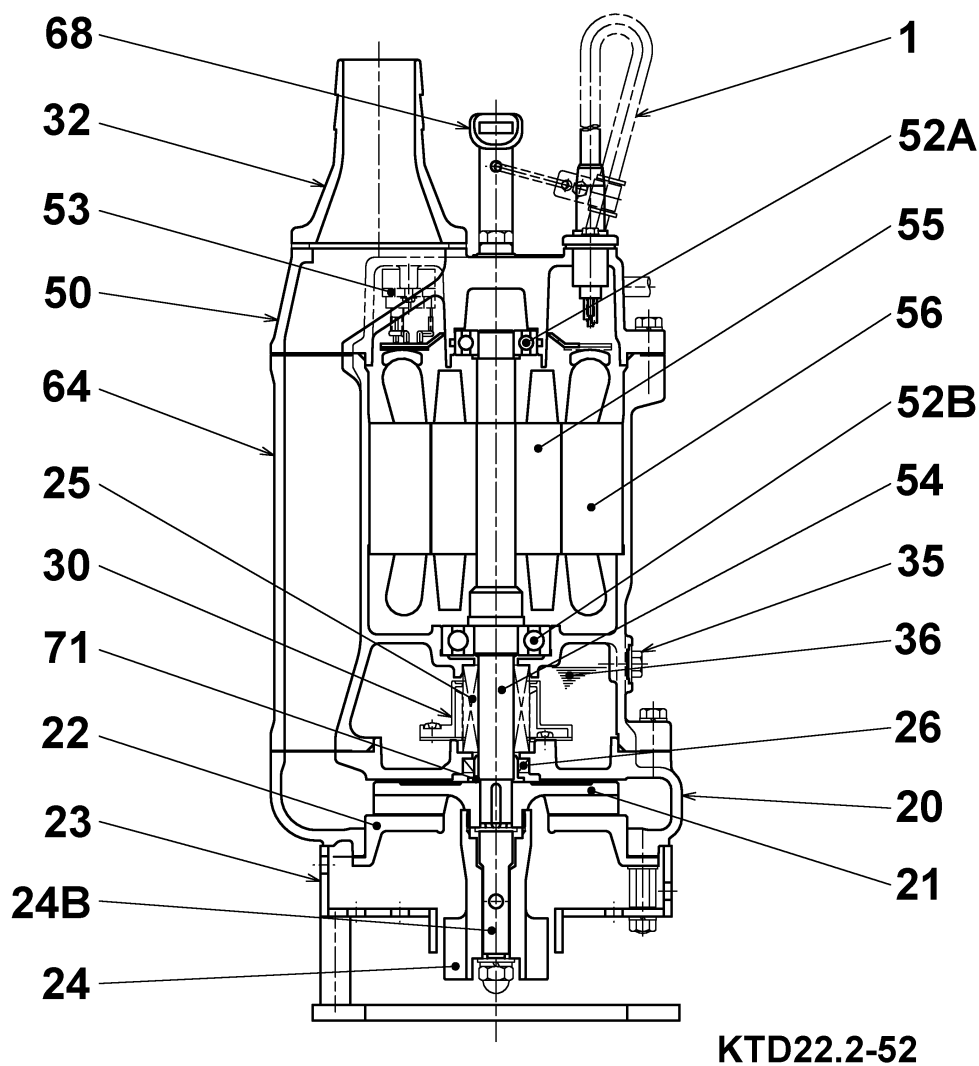


KTD22.2-52

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

Sectional drawing

KTD22.2-52



KTD22.2-52

No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	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	64	Motor Frame	FC150 (EN-GJL-150)
24	Agitator	FCD700 (EN-GJS-700-2)	68	Handle	Steelplate and rubber
24B	Connection rod	Black malleable cast iron	71	Shaft protection sleeve	SUS304 (EN-X5CrNi18-10)
25	Mechanical seal	H-20T			
26	Oil seal	TC25388			
30	Oil distributor	Plastic			
32	Discharge coupling	Aluminium / Grey iron cating			
35	Oil screw	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
50	Main cover	FC150 (EN-GJL-150)			
52A	Upper bearing	6204ZZC3			
52B	Lower bearing	6305ZZC3			