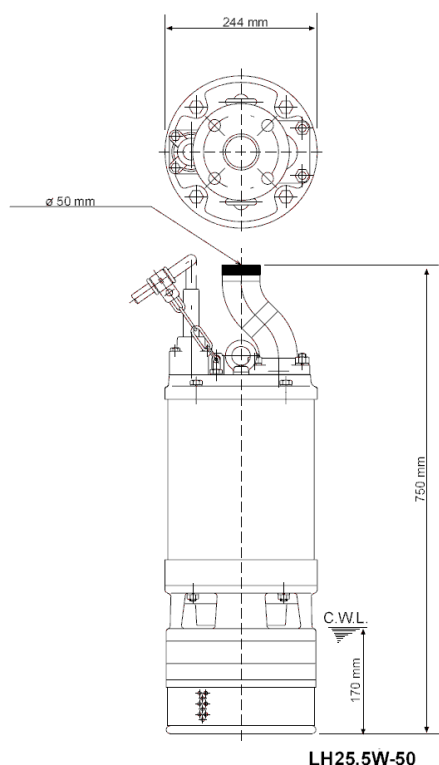


Data sheet LH25.5W-50



CWL: Continuous running water level



Specification

Electric submersible pump LHW-series
 Degree of protection IP 68
 Pressure resistance max. 30 m
 Type of impeller Closed
 Max. solid handling 6 mm
 Suitable for:
 rain water, ground water, sand water

Electric motor

Dry-type submersible induction motor
 Insulation class B 2Poles 2825 1/min
 Starting mode Direct starting
 Rated voltage 400 V 50 Hz 3~
 Power uptake 7,09 kW
 Rated power 5,50 kW
 Rated current 11 A
 Start current 65,0 A

Cable

20m NSSHÖU 4Cx2,5mm²

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 (2x)	Chromium Iron HiCrFC
Upper Pump casing	FC200 (EN-GJL-200)
Lower Pump casing	FC200 (EN-GJL-200)
Motor Frame	FC200 (EN-GJL-200)
Shaft	SUS420J2 (EN-X30Cr13)

Discharge size

2" (50mm) BS-Coupling (threaded flange)

Weight

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

Performance curve

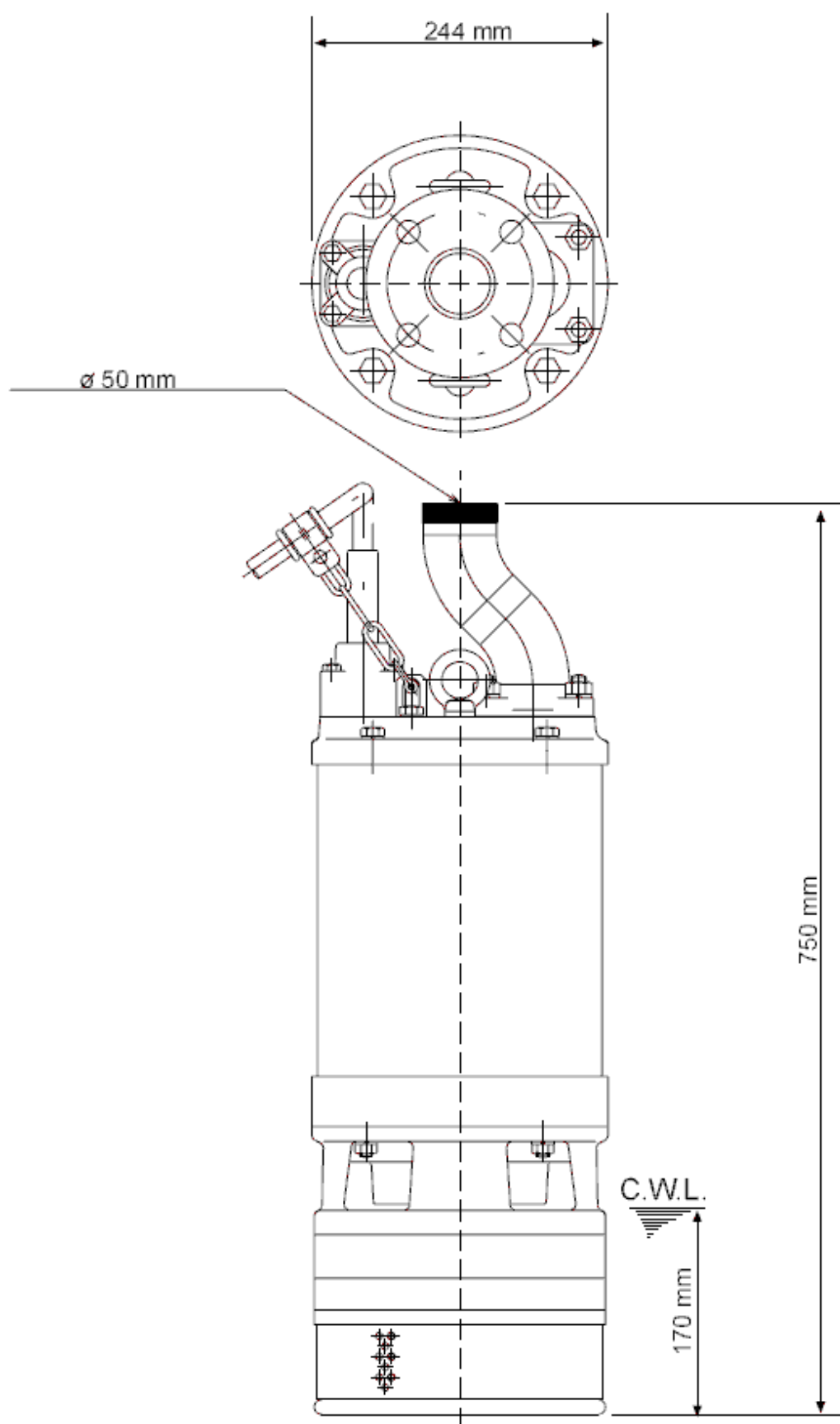
LH25.5W-50

Discharge port	2"
Head	65,0 m
Flow	29,3 m³/h
Rated power	5,50 kW
Power input	7,09 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	11 A
Starting current	65,01 A
Number of poles	2
Speed	2825 1/min
Starting mode	Direct starting
Insulation class	B



Dimensions

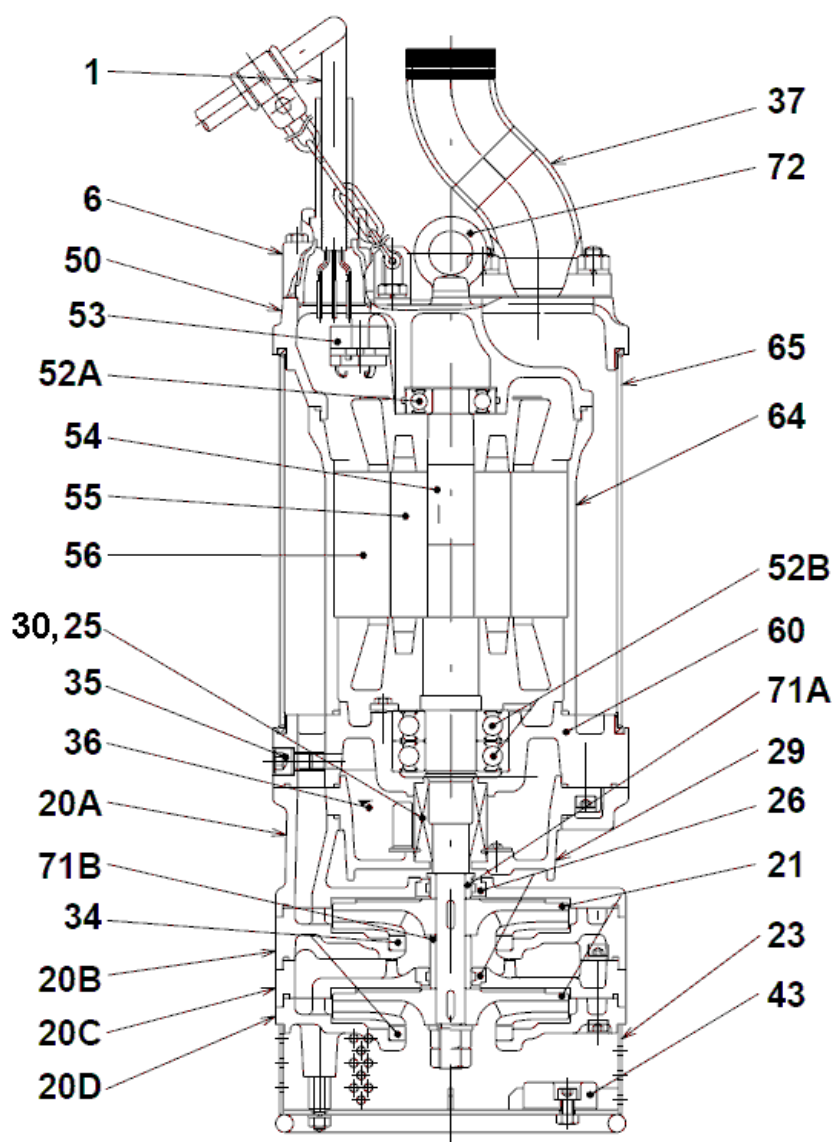
LH25.5W-50



LH25.5W-50

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

Sectional drawing LH25.5W-50



No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	43	Zinc anode (2x)	Zinc
6	Stuffing box	FC200 (EN-GJL-200)	50	Motor cover	FC200 (EN-GJL-200)
20A	Upper Pump casing	FC200 (EN-GJL-200)	52A	Upper bearing	6305ZZC3
20B	Lower Pump casing	FC200 (EN-GJL-200)	52B	Lower bearing	6307ZZC3
20C	Upper Pump casing	FC200 (EN-GJL-200)	53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)
20D	Lower Pump casing	FC200 (EN-GJL-200)	54	Shaft	SUS420J2 (EN-X30Cr13)
21	Impeller (2x)	Chromium Iron HiCrFC	55	Rotor	.
23	Strainer	Construction steel SS400	56	Stator	.
25	Mechanical seal	HT-2530	60	Bearing Housing	FC200 (EN-GJL-200)
26	Labyrinth ring (2x)	SUS304 (EN-X5CrNi18-10)	64	Motor Frame	FC200 (EN-GJL-200)
29	Oil casing	FC200 (EN-GJL-200)	65	Outer Cover	Construction steel SS400
30	Oil distributor	Plastic	71A	Upper shaft protection sleeve	SUS403 (EN-X6Cr13)
34	Wear Ring (2x)	Chromium Iron HiCrFC	71B	Lower shaft protection sleeve	SUS403 (EN-X6Cr13)
35	Oil screw	SUS304 (EN-X5CrNi18-10)	72	Eye screw (2x)	SUS304 (EN-X5CrNi18-10)
36	Lubricant	Turbine oil (ISO VG32)			
37	Discharge coupling	steel pipe / Sectional steel SUS 10040			