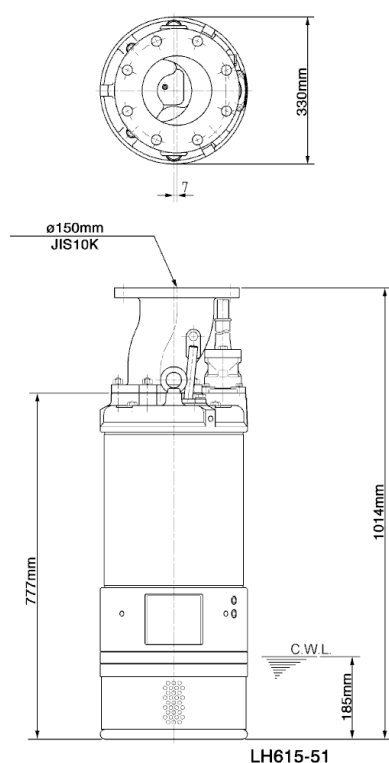
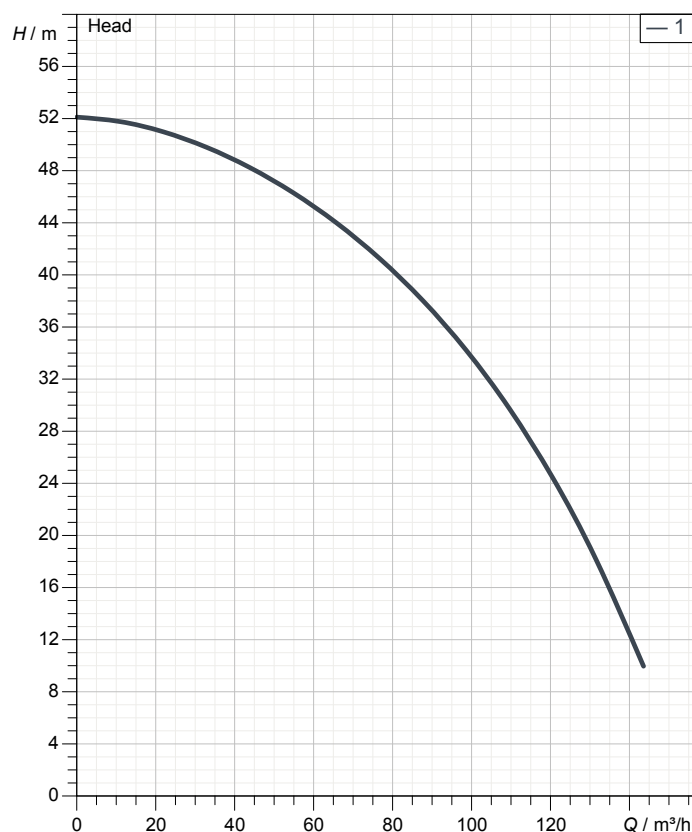


Data sheet LH615-51



CWL: Continuous running water level



Specification

Electric submersible pump LH-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 2890 1/min

Starting mode Direct starting

Rated voltage 400 V 50 Hz 3~

Power uptake 17,86 kW

Rated power 15,00 kW

Rated current 27,5 A

Start current 170,0 A

Cable

20m NSSHÖU 4Cx6mm²

Motor Protection

Miniature protector in windings
(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 casting
Upper casing	FCD45 (EN-GJS-450-10)
Lower casing	FCD45 (EN-GJS-450-10)
Wear Ring	Chromium iron casting
Motor Frame	FC200 (EN-GJL-200)
Shaft	SUS420J2 (EN-X30Cr13)

Discharge size

150mm JIS10K flange

Weight

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

Performance curve

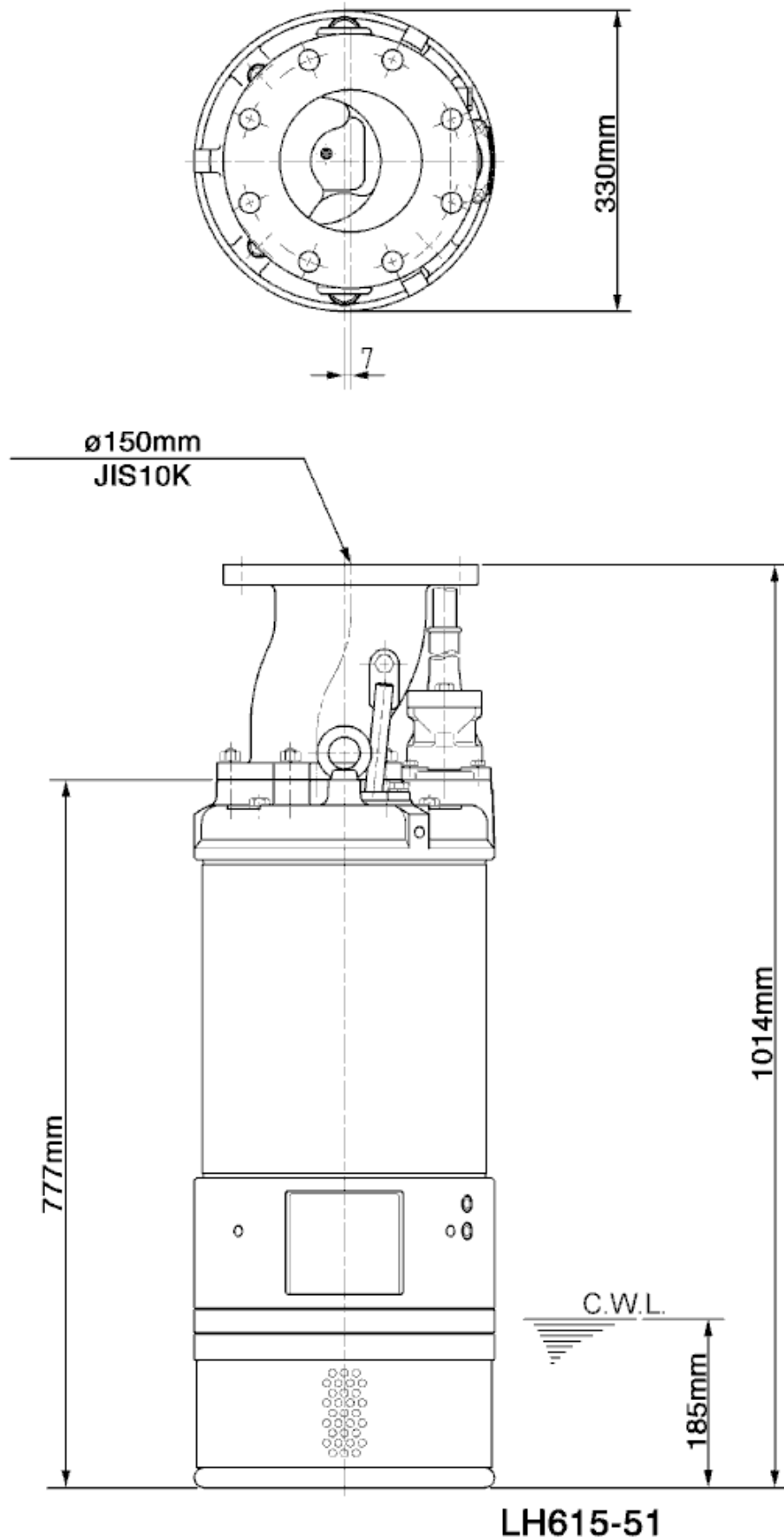
LH615-51

Discharge port	6"
Head	52,1 m
Flow	143,6 m³/h
Rated power	15,00 kW
Power input	17,86 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	27,5 A
Starting current	169,95 A
Number of poles	2
Speed	2890 1/min
Starting mode	Direct starting
Insulation class	B



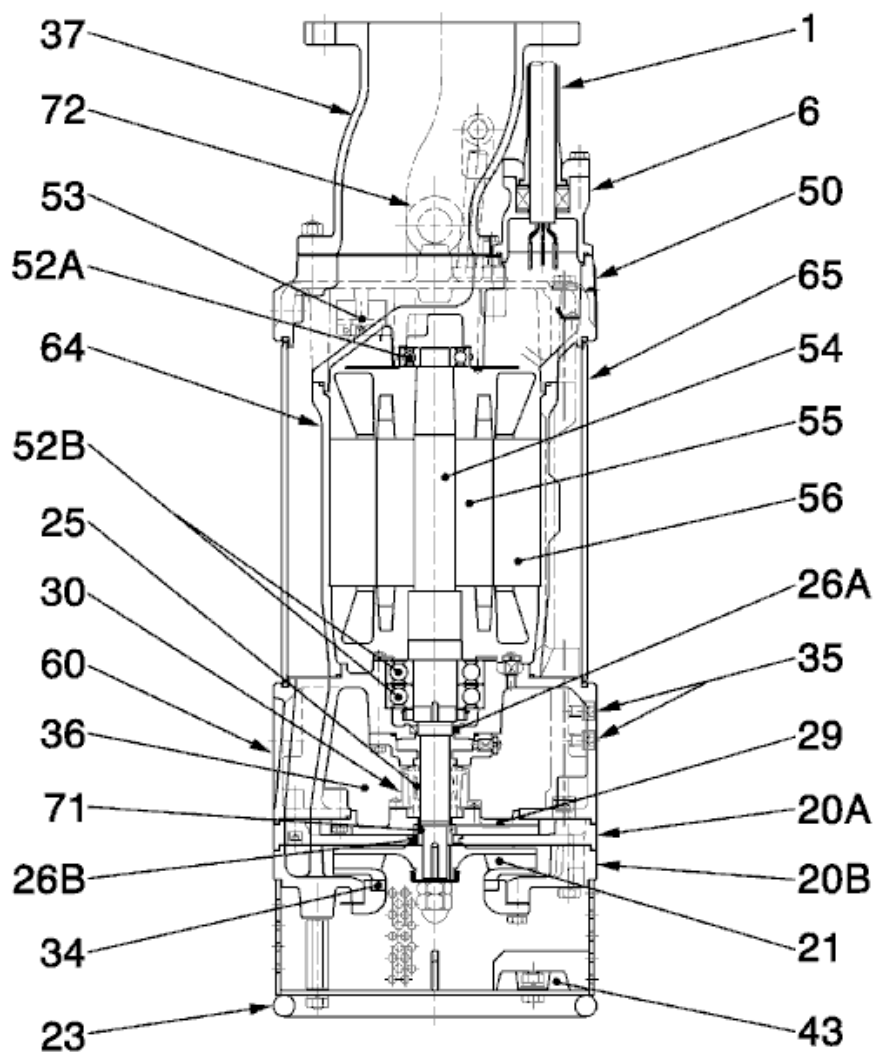
Dimensions

LH615-51



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

Sectional drawing LH615-51



LH615-51

No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	50	Main cover	FC200 (EN-GJL-200)
6	Stuffing box	FC200 (EN-GJL-200)	52A	Upper bearing	6306ZZC3
20A	Upper casing	FCD45 (EN-GJS-450-10)	52B	Lower bearing	6309ZZD2C3
20B	Lower casing	FCD45 (EN-GJS-450-10)	53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)
21	Impeller	Chromium iron casting	54	Shaft	SUS420J2 (EN-X30Cr13)
23	Strainer	Construction steel SS400	55	Rotor	.
25	Mechanical seal	H-30T	56	Stator	.
26A	Oil seal	SC35508	60	Bearing Housing	FC200 (EN-GJL-200)
26B	Oil seal	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	71	Shaft protection sleeve	SUS403 (EN-X6Cr13)
34	Wear Ring	Chromium iron casting	72	Eye screw (2x)	Construction steel SS400
35	Oil screw (2x)	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
37	Discharge coupling	FCD700 (EN-GJS-700-2)			
43	Sacrificial anode (4x)	Aluminium alloy			