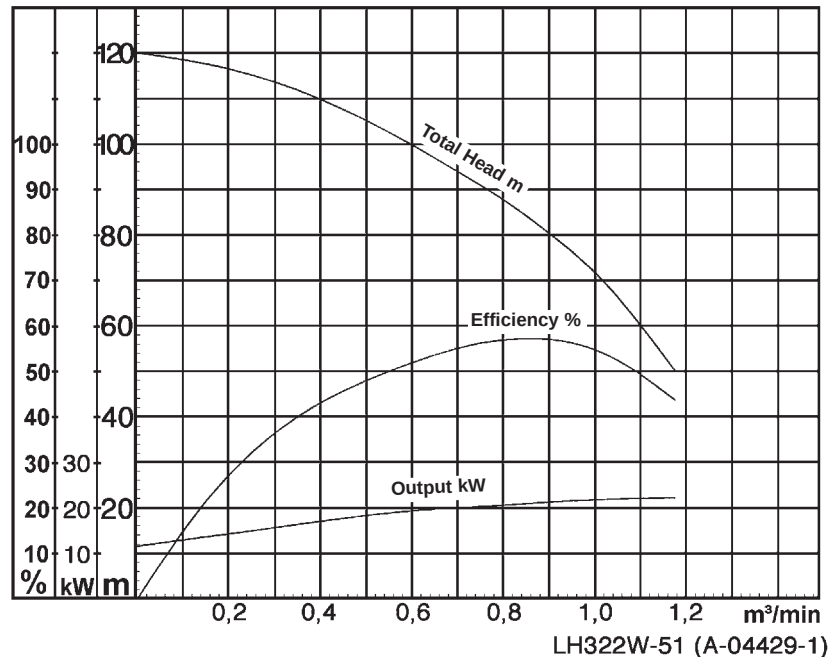
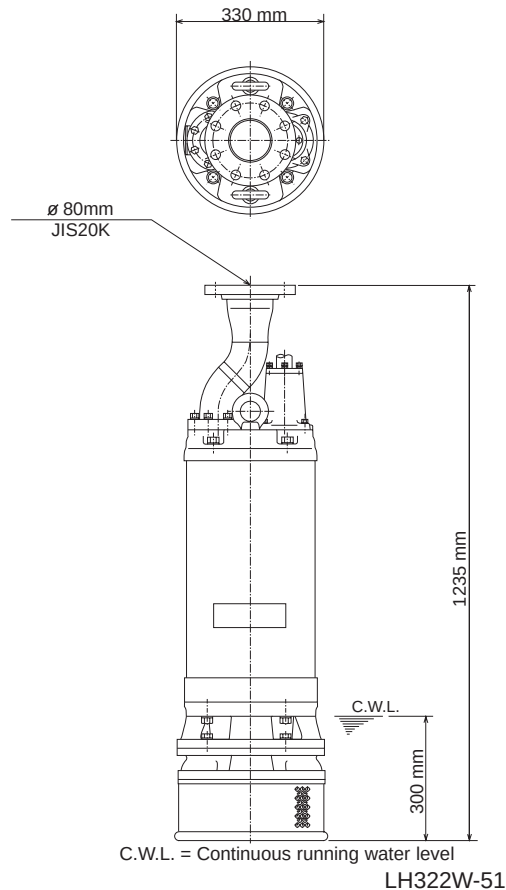


Data Sheet LH322W-51



Classification

Electric submersible pump
Protection class IP68
Depth of submersion max. 50m
2 Closed type impellers
Max. solid handling 8,5mm
Suitable for rain water, ground water, sand carrying water

Electric Motor

Dry-type submersible induction motor,
Insulation class B, 2 poles, 2910 r.p.m.
Direct-online-start
Voltage: 400V, 50Hz, 3-phase
Power input: 27,0kW
Power output: 22,0kW
Nominal current: 39,0A
Start current: 290,0A

Electric Cable

20mH07RN-F4Cx10mm²

Motor Protection

Circle thermal protector
(snap-action bi-metal device)

Shaft Seal

Double 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

Impellers:	Chromium iron casting
Casing:	FC200 (EN-GJL-200)
Mouth ring:	Chromium iron casting
Motor frame:	FC200(EN-GJL-200)
Shaft:	SUS420J2 (EN-X30Cr13)

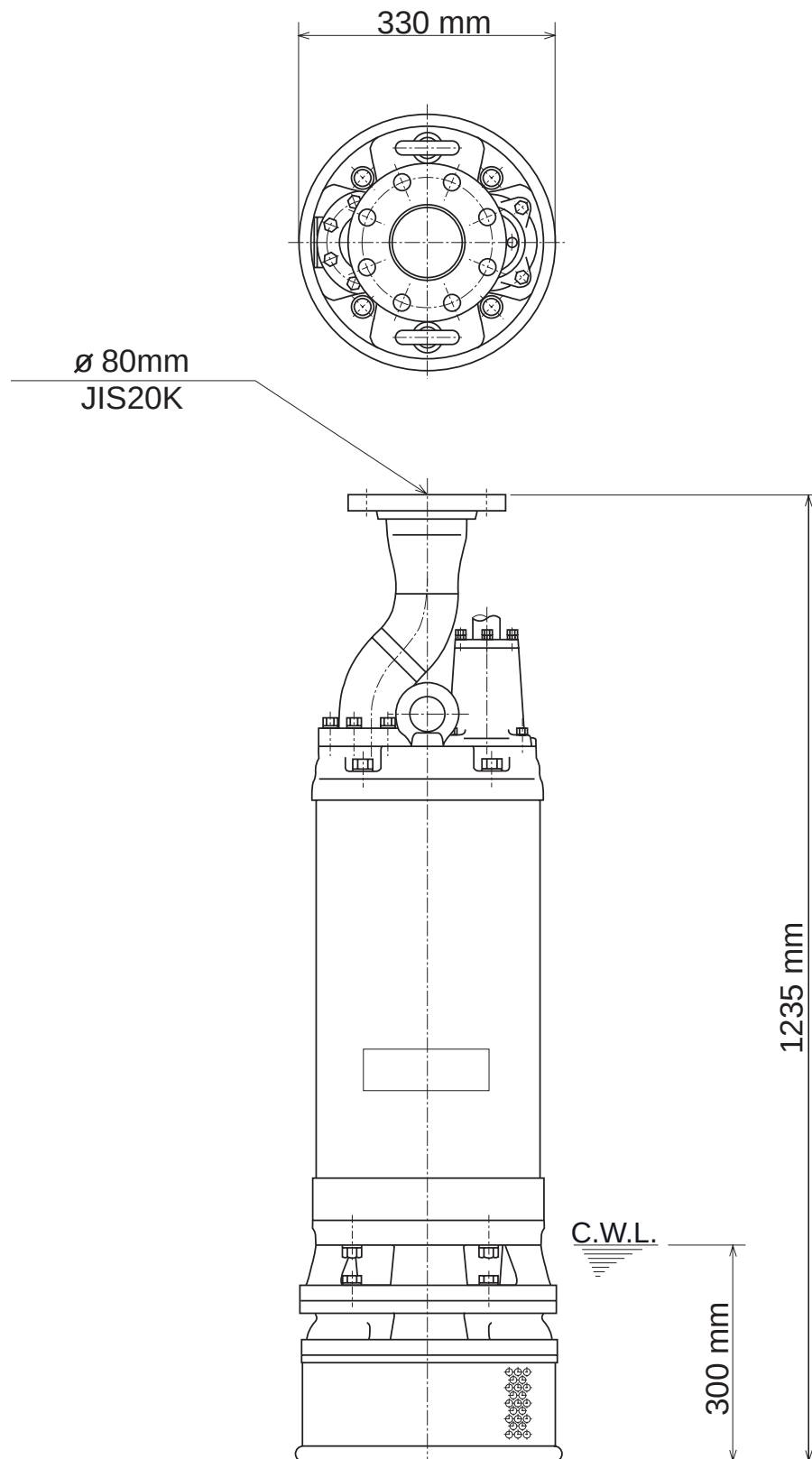
Discharge Connection

3" (80mm) JIS 20K flange

Weight

304 kg (dry weight of the pump without cable)

Dimensional Drawing LH322W-51

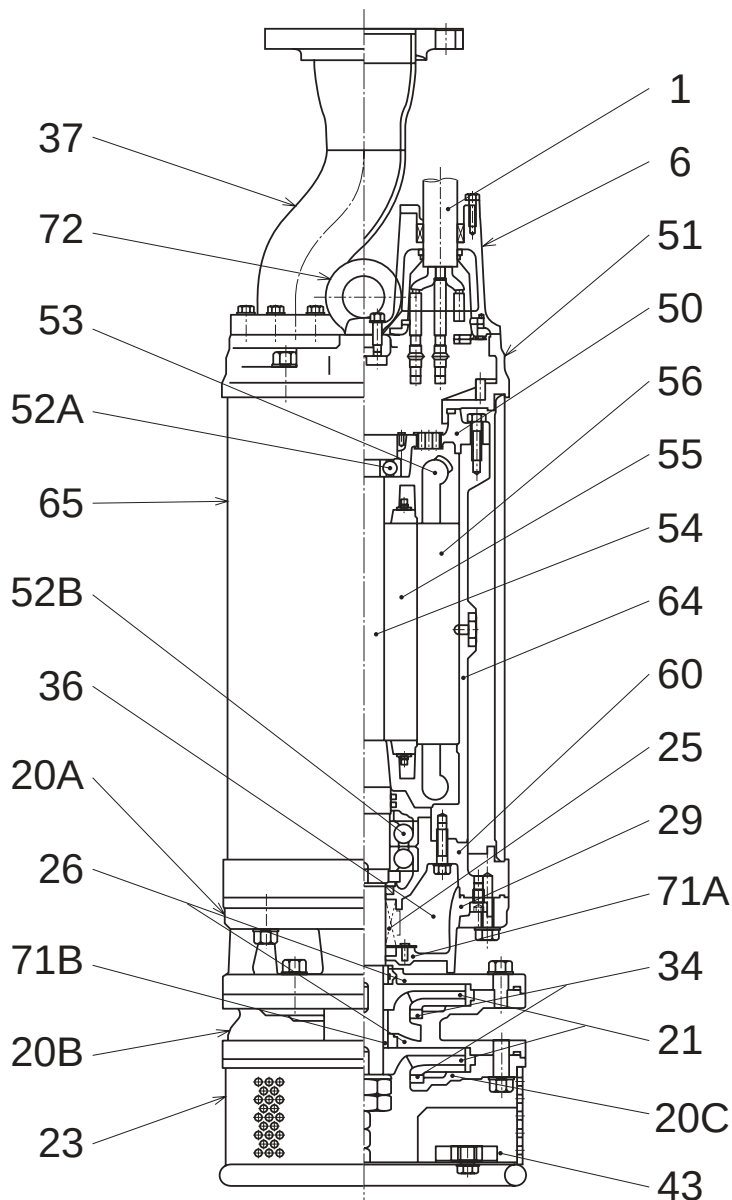


CWL: Continuous Running Water Level

LH322W-51

Sectional Drawing

LH322W-51



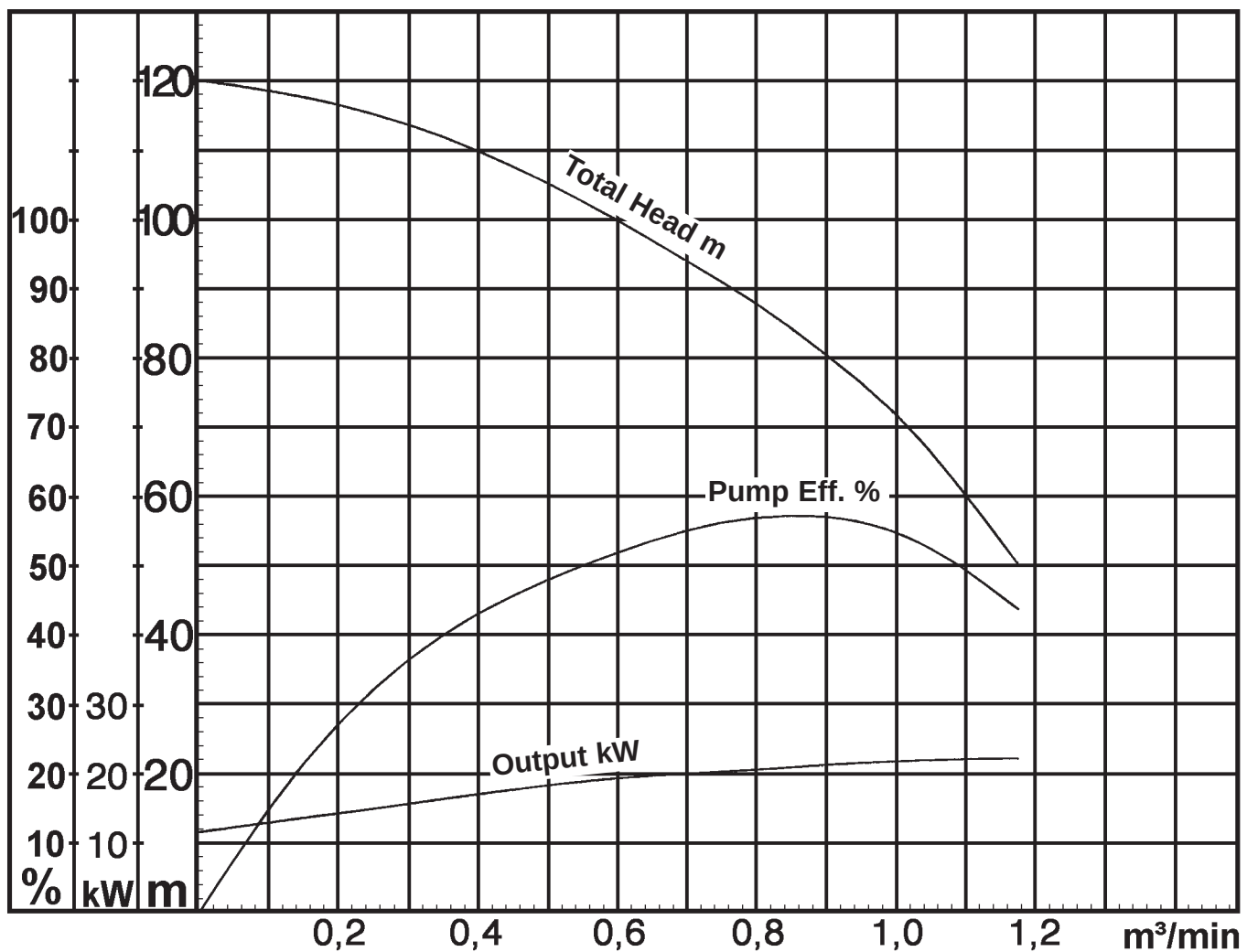
LH322W-51

No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	1	Choloprene Sheath	50	Motor Bracket	1	FC200 (EN-GJL-200)
6	Stuffing Box	1	FC200 (EN-GJL-200)	51	Motor Head Cover	1	FC200 (EN-GJL-200)
20A	Upper Pump Casing	1	FC200 (EN-GJL-200)	52A	Upper Bearing	1	6307ZZC3
20B	Middle Pump Casing	1	FC200 (EN-GJL-200)	52B	Lower Bearing	1	7311DBC3
20C	Lower Pump Casing	1	FC200 (EN-GJL-200)	53	Motor Protector	1	
21	Impeller	2	Chromium Iron Casting HiCrFC	54	Shaft	1	SUS420J2 (EN X30Cr13)
23	Strainer Stand	1	SS400 (DIN 1.0040)	55	Rotor	1	
25	Mechanical Seal	1	HT-4550	56	Stator	1	
26	Labyrinth Ring	2	SUS304 (EN X5CrNi18-10)	60	Bearing Housing	1	FC200 (EN-GJL-200)
29	Oil Casing	1	FC200 (EN-GJL-200)	64	Motor Frame	1	FC200 (EN-GJL-200)
30	Oil Ring	1	SPCC Steel Plate	65	Outer Cover	1	SS400 (DIN 1.0040)
34	Mouth Ring	2	Chromium Iron Casting HiCrFC	71A	Upper Shaft Sleeve	1	SUS403 (EN X6Cr13)
35	Oil Plug	3	SUS304 (EN X5CrNi18-10)	71B	Lower Shaft Sleeve	1	SUS403 (EN X6Cr13)
36	Lubricant		Turbine Oil ISO VG32	72	Eyebolt	2	SUS304 (EN X5CrNi18-10)
37	Discharge Pipe	1	SGP+SS400 (DIN.10040)				
43	Cathodic Protection Plate	2	Aluminium Alloy				

Pump Performance Curve

LH322W-51

Discharge Bore	80 mm
Total Head	100 m
Capacity	0,6 m³/min
Motor Output	22,0 kW
Motor Input	27,0 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	39,0 A
Starting Current	290,0 A
Poles	2
Revolution	S.S. 2910 r.p.m.
Starting Method	direct-online
Insulation Class	B



LH322W-51 (A-04429-1)