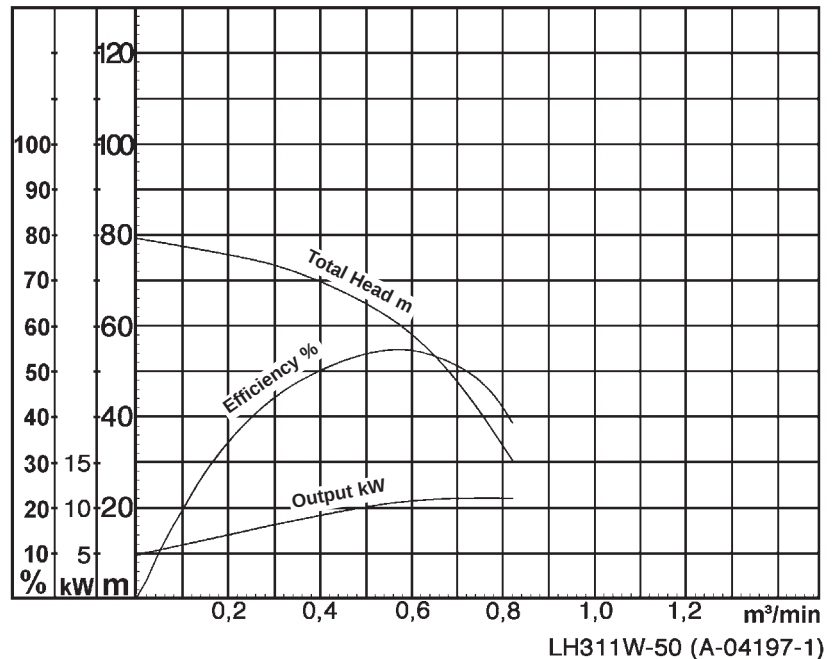
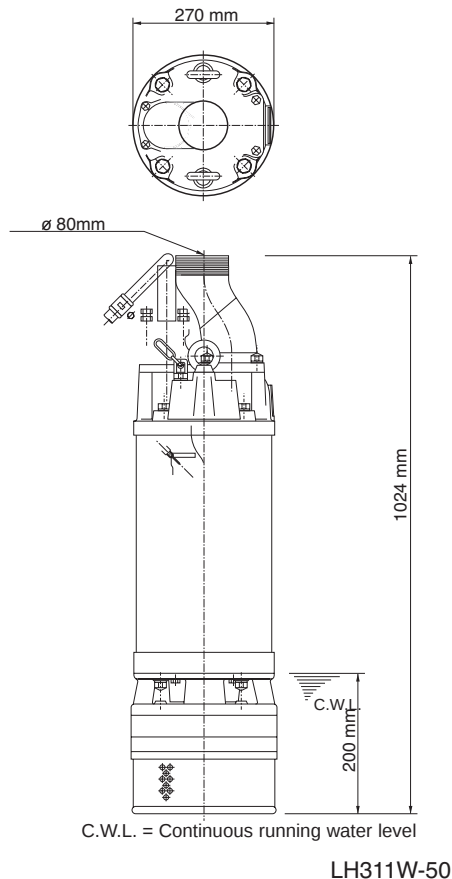


Data Sheet LH311W-50



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, 2890 r.p.m.
Direct-online-start
Voltage: 400V, 50Hz, 3-phase
Power input: 13,9kW
Power output: 11,0kW
Nominal current: 22,0A
Start current: 135,0A

Electric Cable

20m H07RN-F 4Cx4mm²

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)

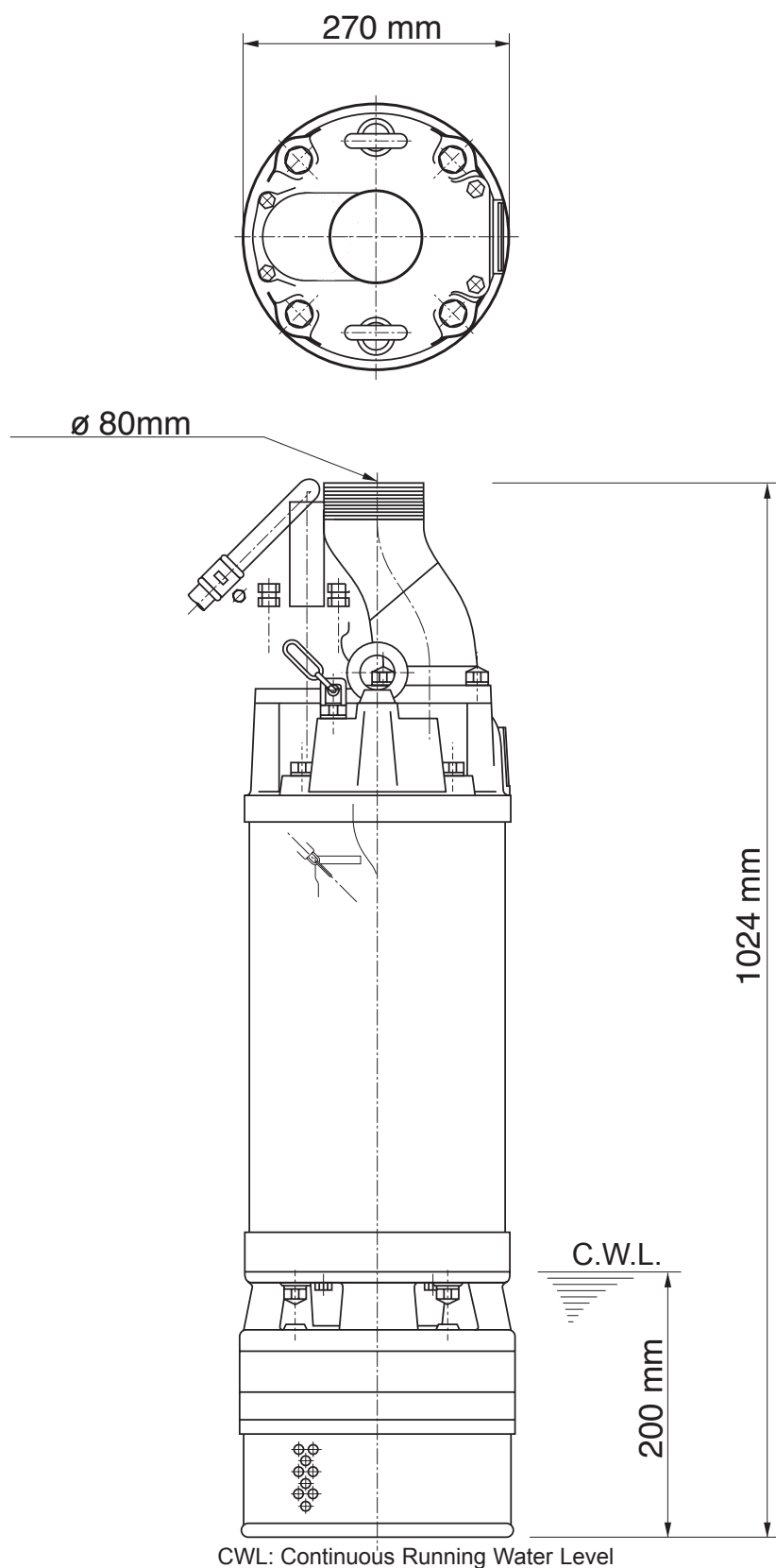
Discharge Connection

3" (80mm) JIS 10K flange

Weight

130 kg (dry weight of the pump without cable)

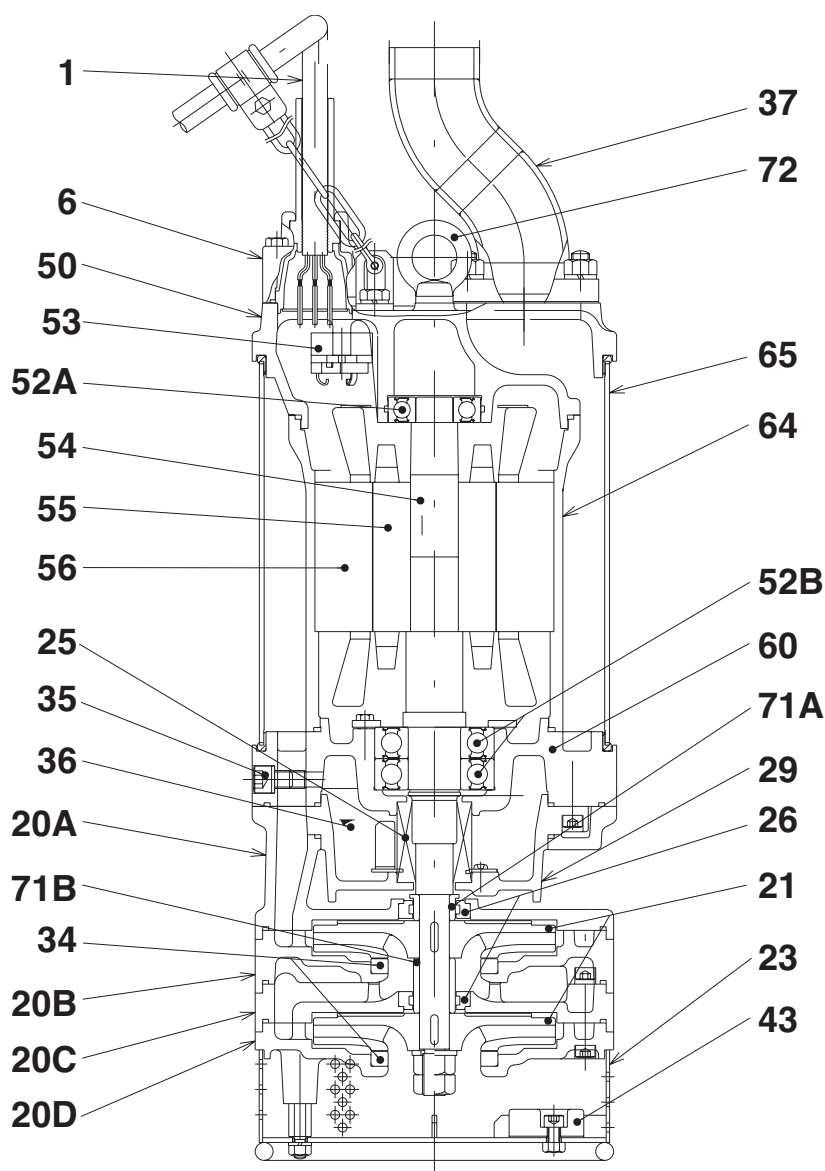
Dimensional Drawing LH311W-50



LH311W-50

Sectional Drawing

LH311W-50



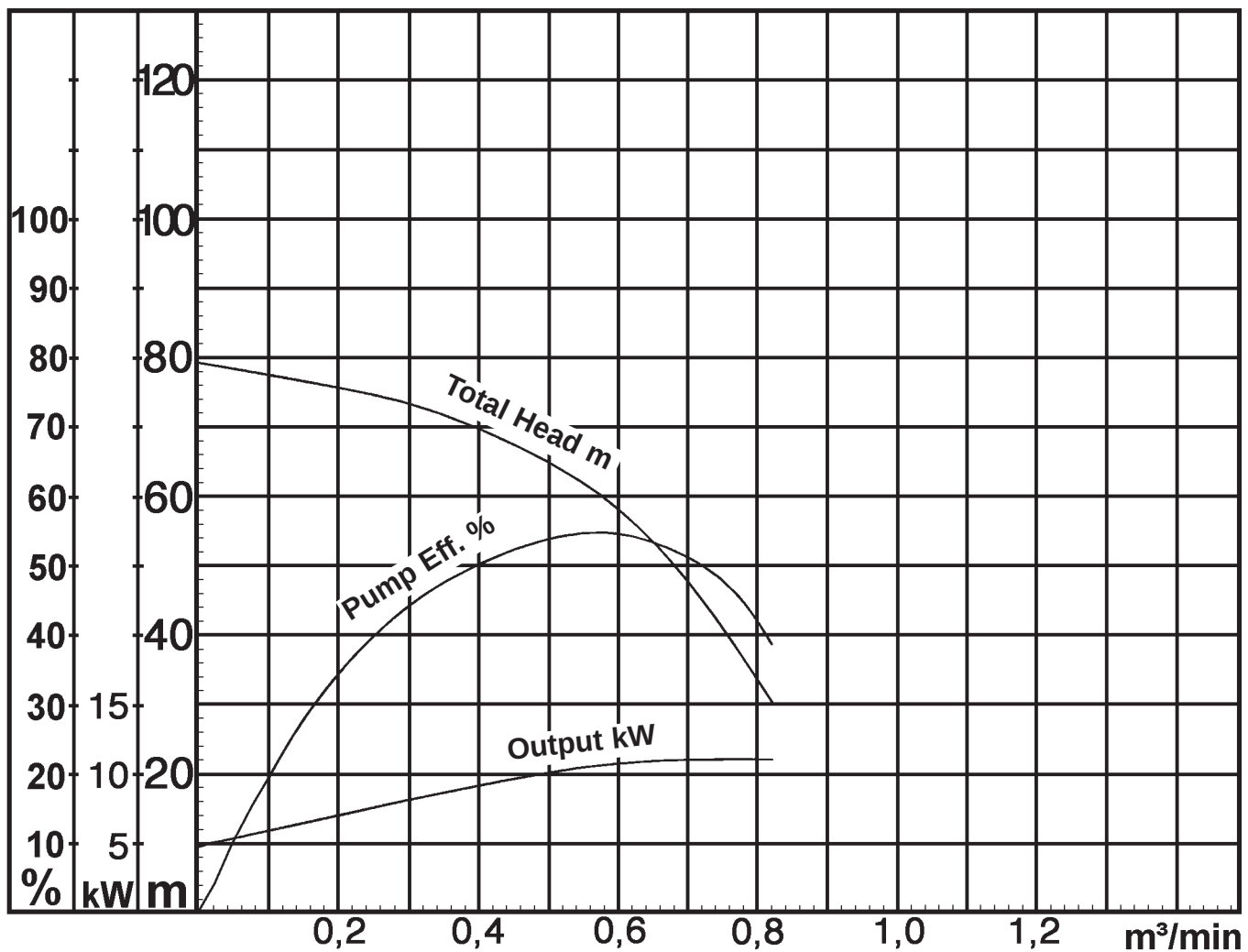
LH311W-50

No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	1	20m H07RN-F 4Cx4mm ²	43	Cathodic Protection Plate	2	Zinc
6	Stuffing Box	1	FC200 (EN-GJL-200)	50	Motor Bracket	1	FC200 (EN-GJL-200)
20A	Upper Pump Casing	1	FC200 (EN-GJL-200)	52A	Upper Bearing	1	6306ZZC3
20B	Lower Pump Casing	1	FC200 (EN-GJL-200)	52B	Lower Bearing	1	7309DBC3
20C	Upper Pump Casing	1	FC200 (EN-GJL-200)	53	Motor Protector	1	
20D	Lower Pump Casing	1	FC200 (EN-GJL-200)	54	Shaft	1	SUS420J2 (EN X30Cr13)
21	Impeller	2	Chromium Iron Casting HiCrFC	55	Rotor	1	
23	Strainer Stand	1	SS400 (DIN 1.0040)	56	Stator	1	
25	Mechanical Seal	1	HT-3540	60	Bearing Housing	1	FC200 (EN-GJL-200)
26	Labyrinth Ring	2	SUS304 (EN X5CrNi18-10)	64	Motor Frame	1	FC200 (EN-GJL-200)
29	Oil Casing	1	FC200 (EN-GJL-200)	65	Outer Cover	1	SS400 (DIN 1.0040)
30	Oil Ring	1	SPCC Steel Plate	71A	Upper Shaft Sleeve	1	SUS403 (EN X6Cr13)
34	Mouth Ring	2	Chromium Iron Casting HiCrFC	71B	Lower Shaft Sleeve	1	SUS403 (EN X6Cr13)
35	Oil Plug	1	SUS304 (EN X5CrNi18-10)	72	Eyebolt	2	SUS304 (EN X5CrNi18-10)
36	Lubricant		Turbine Oil ISO VG32				
37	Discharge Pipe	1	SGP+SS400 (DIN.10040)				

Pump Performance Curve

LH311W-50

Discharge Bore	80 mm
Total Head	65 m
Capacity	0,5 m ³ /min
Motor Output	11,0 kW
Motor Input	13,9 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	22,0 A
Starting Current	135,0 A
Poles	2
Revolution	S.S. 2890 r.p.m.
Starting Method	direct-online
Insulation Class	B



LH311W-50 (A-04197-1)