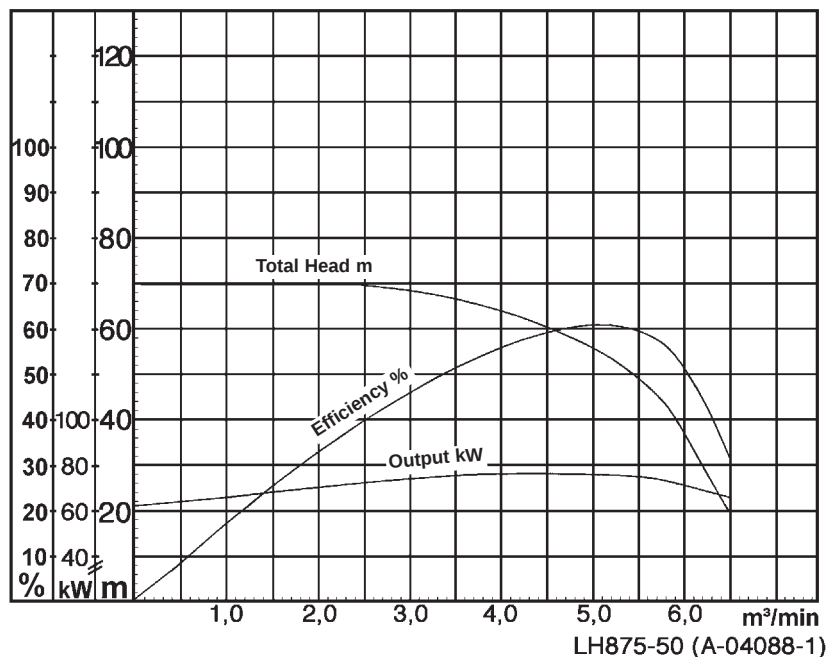
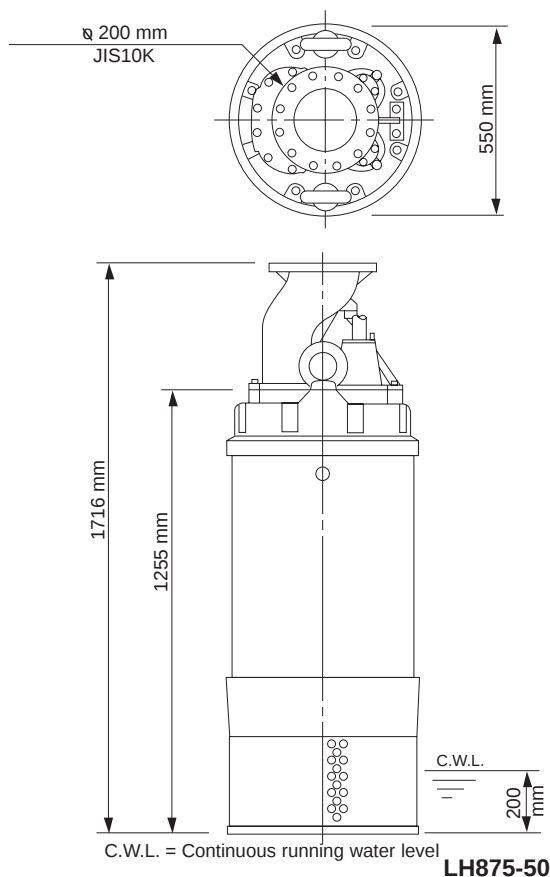


Data Sheet LH875-50



Classification

Electric submersible pump
Protection class IP68
Depth of submersion max. 50m
Closed type impeller
Max. solid handling 20mm
Suitable for rain water, ground water, sand carrying water

Electric Motor

Dry-type submersible induction motor,
Insulation class F, 2 poles, 2935 r.p.m.
Star / delta start
Voltage: 400V, 50Hz, 3-phase
Power input: 82,9kW
Power output: 75,0kW
Nominal current: 130A
Start current: 1140A

Electric Cable

20m 6Cx30mm²/1Cx22mm²/3Cx2mm²

Motor Protection

Miniature protectors in windings
(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 silicon carbide

Bearings

Shielded ball bearings, maintenance-free

Materials

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

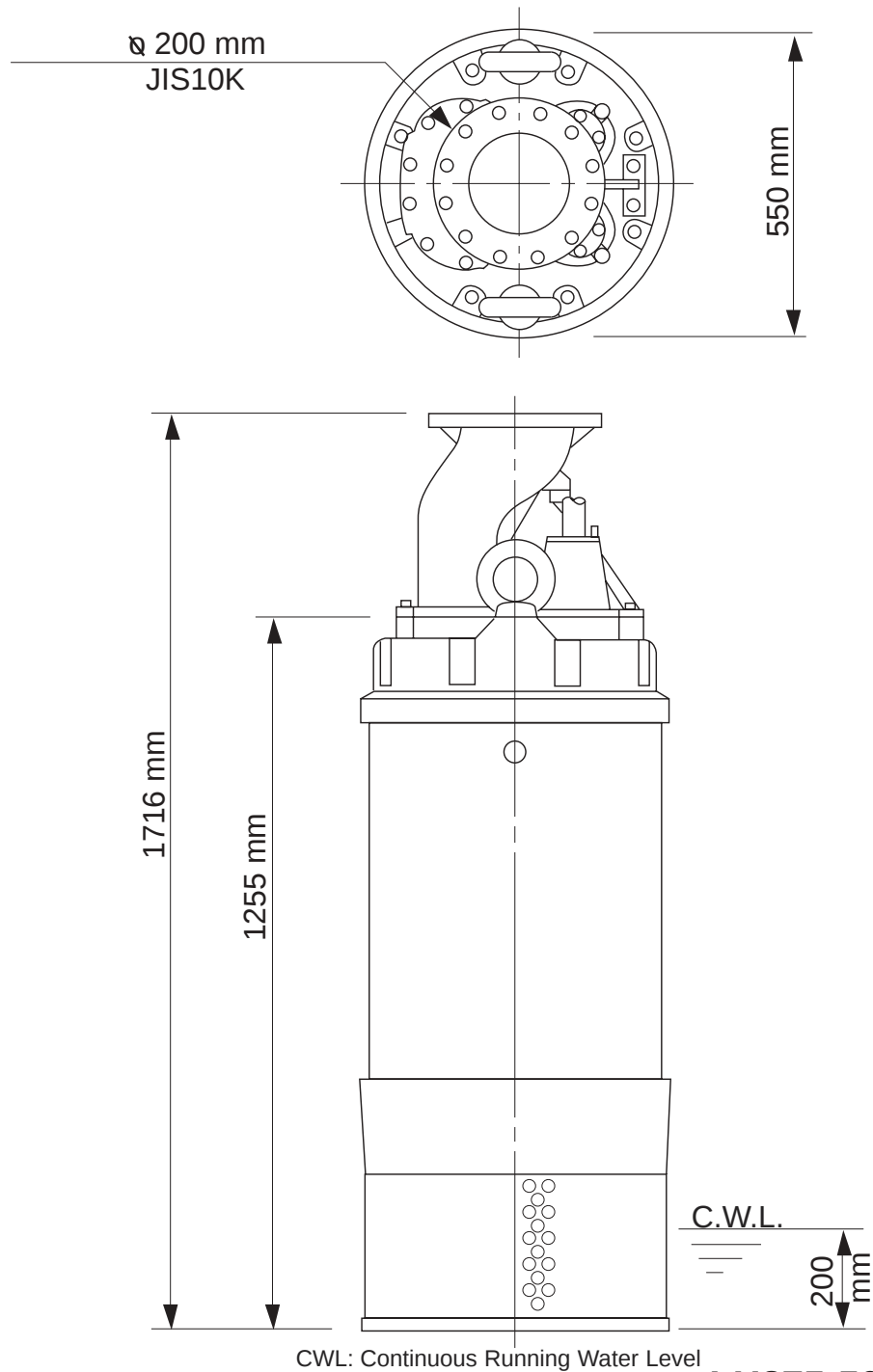
Discharge Connection

8" (200mm) JIS 20K flange

Weight

850 kg (dry weight of the pump without cable)

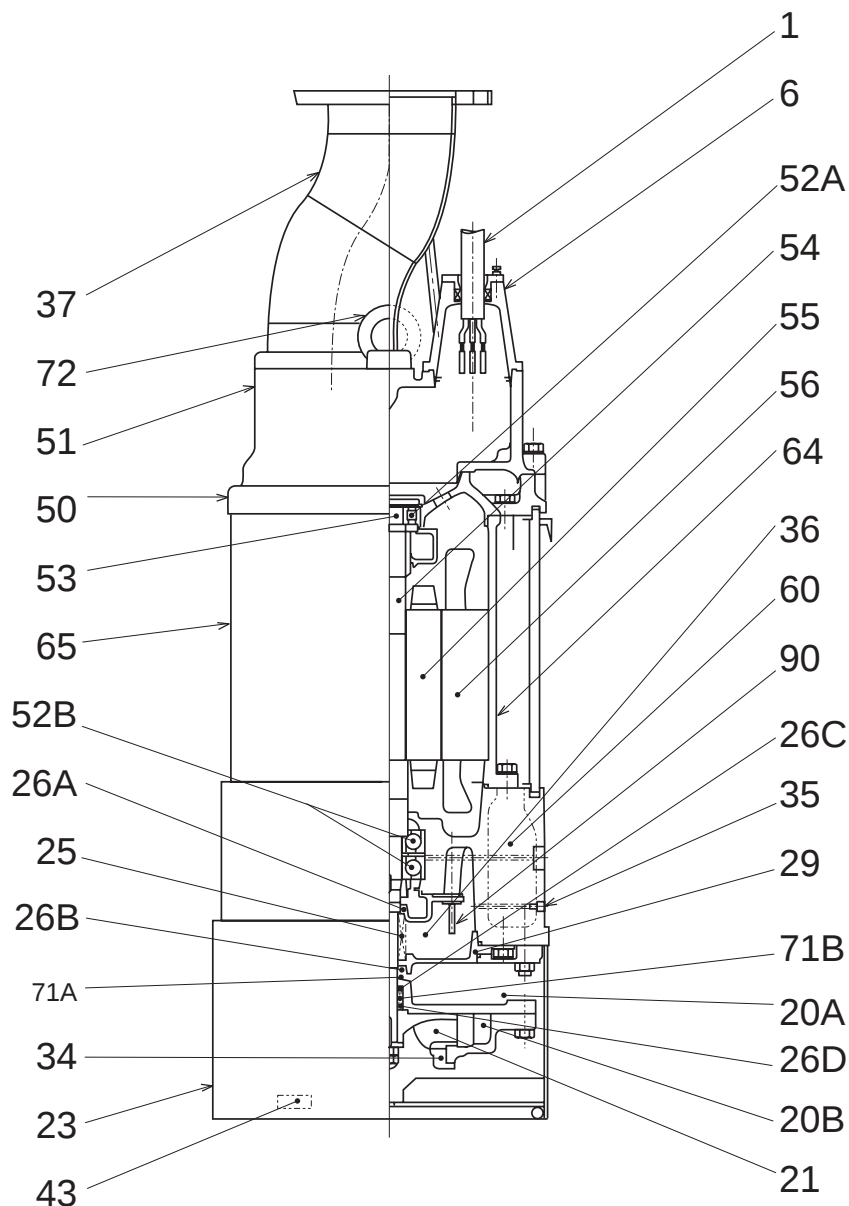
Dimensional Drawing LH875-50



CWL: Continuous Running Water Level

LH875-50

Sectional Drawing LH875-50



LH875-50

No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	1	20m 6Cx30mm ² /1Cx22mm ² /2Cx2mm ²	43	Cathodic Protection Plate	3	Aluminium Alloy ALAP
6	Stuffing Box	1	FC200 (EN-GJL-200)	50	Motor Bracket	1	FC200 (EN-GJL-200)
20A	Pump Casing upper	1	FC200 (EN-GJL-200)	51	Head Cover	1	FC200 (EN-GJL-200)
20B	Pump Casing lower	1	FC200 (EN-GJL-200)	52A	Upper Bearing	1	NU310C3
21	Impeller	1	Chromium Iron Casting HiCrFC	52B	Lower Bearing	1	7313BTDBC3
23	Strainer Stand	1	SS400 (DIN 1.0040)	53	Motor Protector	3	
25	Mechanical Seal	1	H-50T	54	Shaft	1	SUS420J2 (EN-X30Cr13)
26A	Oil Seal	1	TC60759	55	Rotor	1	
26B	Oil Seal	1	TC557812	56	Stator	1	
26C	Oil Seal	1	TCN557812	60	Bearing Housing	1	FC200 (EN-GJL-200)
26D	Labyrinth Ring	1	SUS304 (EN-X5CrNi18-10)	64	Motor Frame	1	FC200 (EN-GJL-200)
29	Oil casing	1	FC200 (EN-GJL-200)	65	Outer Cover	1	Carbon Steel STKM
34	Suction Mouth	1	Chromium Iron Casting HiCrFC	71A	Upper Shaft Sleeve	1	SUS403 (EN-X6Cr13)
35	Oil Plug	2	SUS304 (EN-X5CrNi18-10)	71B	Lower Shaft Sleeve	1	SUS403 (EN-X6Cr13)
36	Lubricant		Turbine Oil (ISO VG32)	72	Eyebolt	1	SS400 (DIN 1.0040)
37	Discharge Pipe	1	SS400 (DIN 1.0040)/Carbon Steel SGP	90	Leakage Sensor Electrode	1	

Pump Performance Curve

LH875-50

Discharge Bore	200 mm
Total Head	60 m
Capacity	4,5 m ³ /min
Motor Output	75,0 kW
Motor Input	82,9 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	130 A
Starting Current	1140 A
Poles	2
Revolution	S.S. 2935 r.p.m.
Starting Method	star delta
Insulation Class	F

