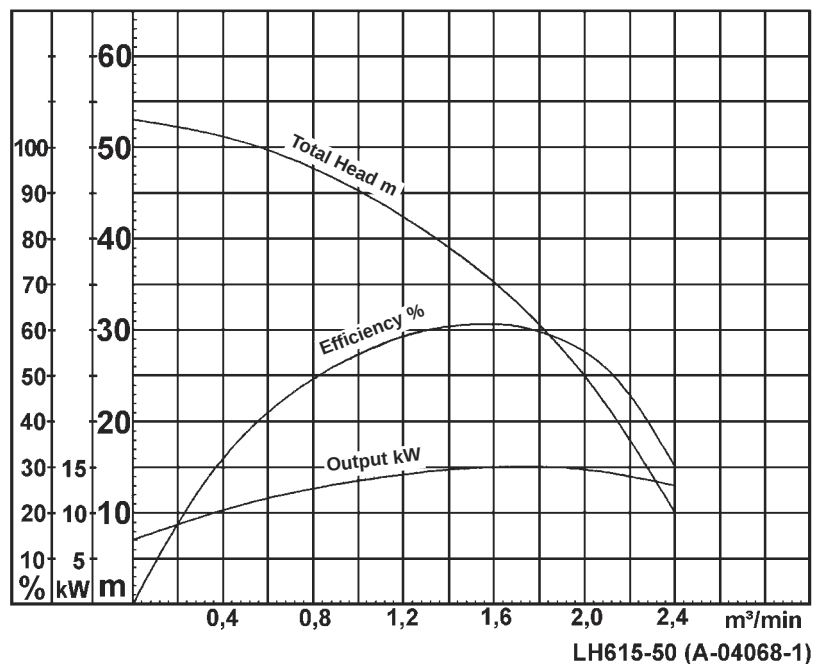
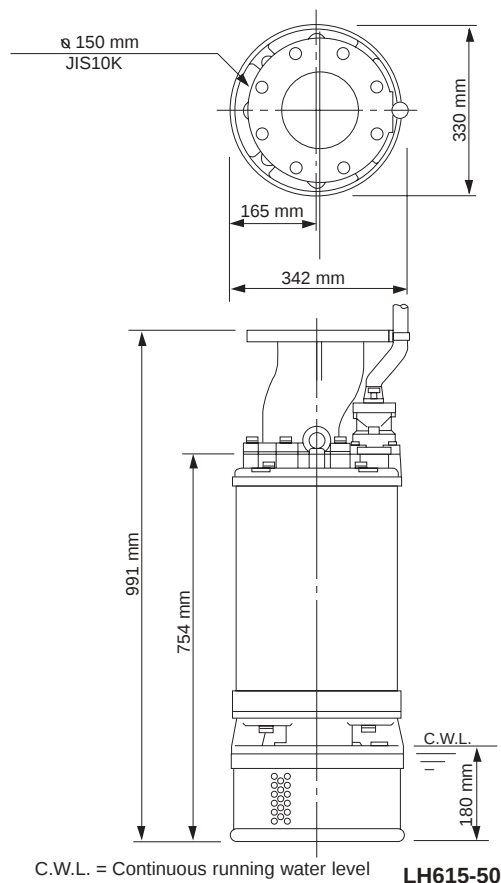


Data Sheet LH615-50



Classification

Electric submersible pump
Protection class IP68
Depth of submersion max. 100m
Closed type impeller
Max. solid handling 6mm
Suitable for rain water, ground water, sand carrying water

Electric Motor

Dry-type submersible induction motor,
Insulation class B, 2 poles, 2850 r.p.m.
Direct on line start
Voltage: 400V, 50Hz, 3-phase
Power input: 18,7kW
Power output: 15,0kW
Nominal current: 27,5A
Start current: 169,5A

Electric Cable

20m 4Cx8mm²

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

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

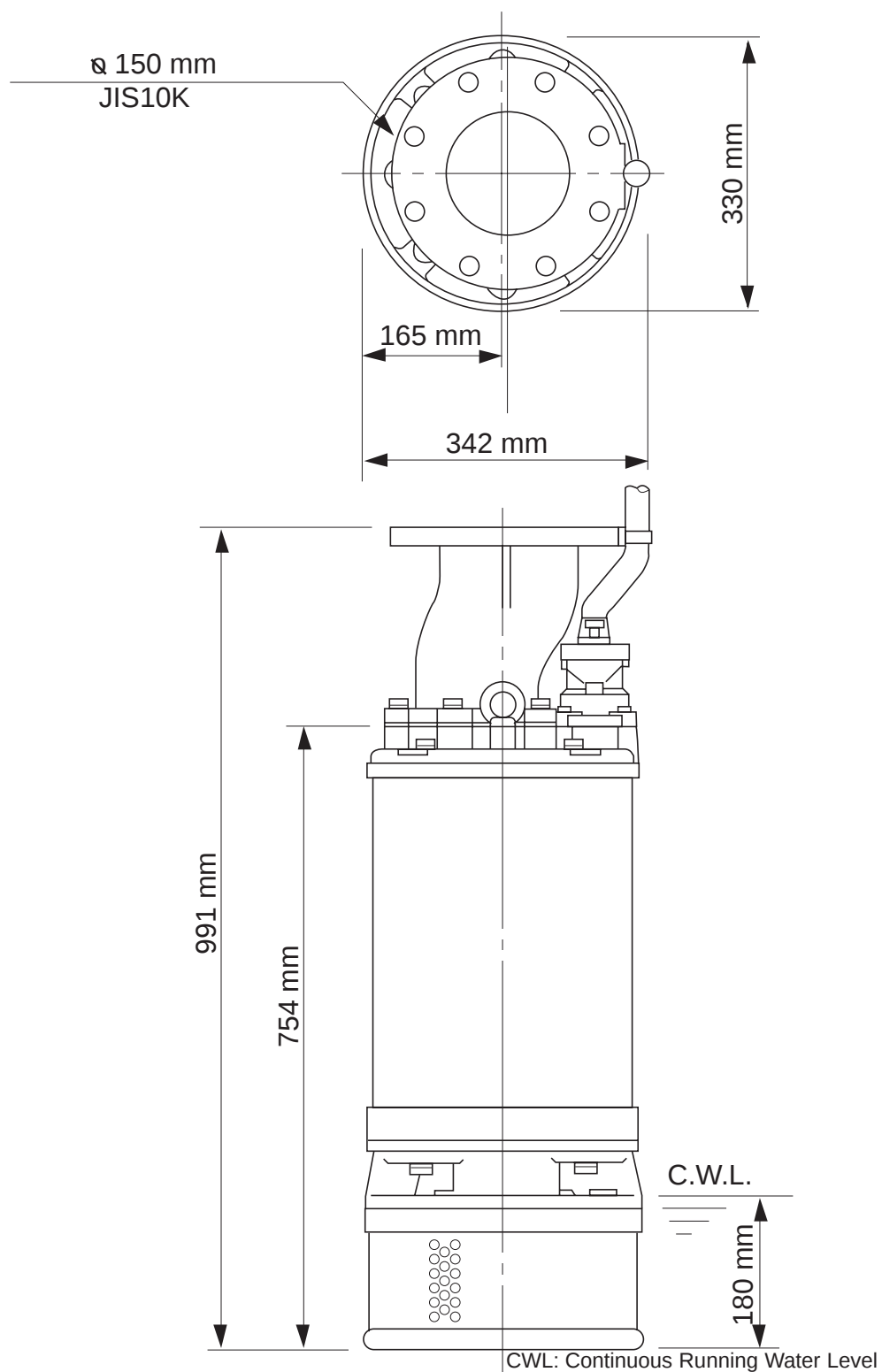
Discharge Connection

6" (150mm) JIS 10K flange

Weight

190 kg (dry weight of the pump without cable)

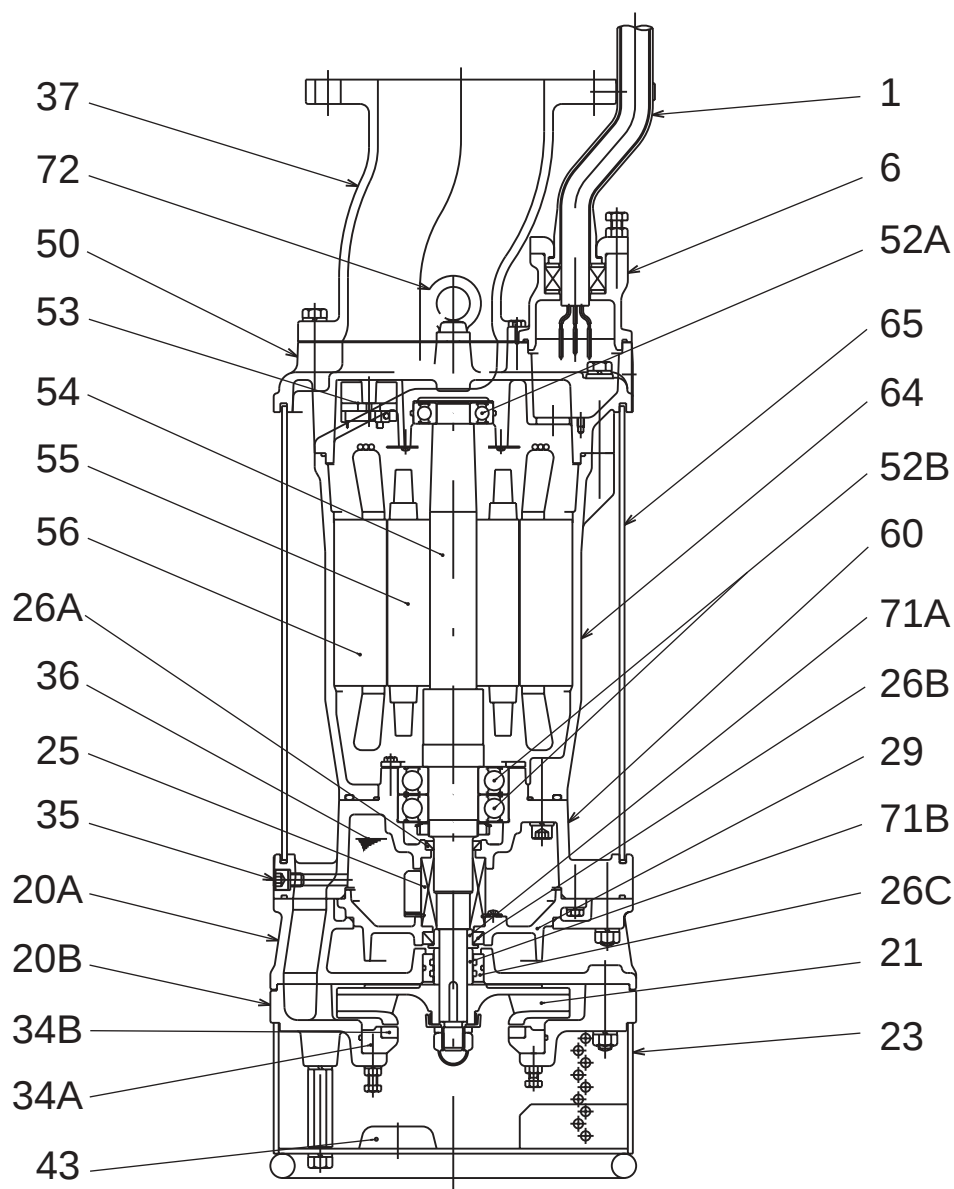
Dimensional Drawing LH615-50



LH615-50

Sectional Drawing

LH615-50



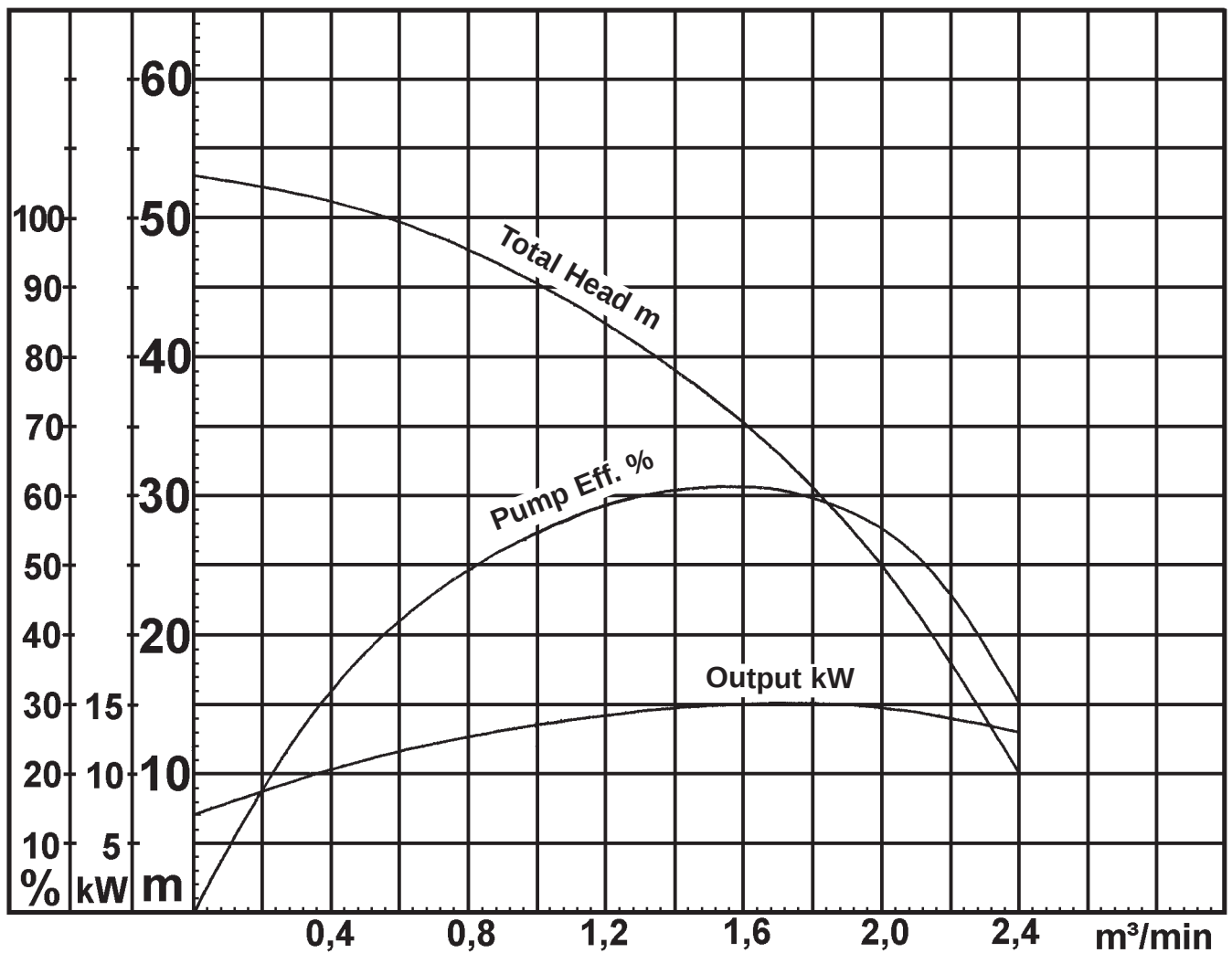
LH615-50

No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	1	20m 4Cx8mm2	37	Discharge Pipe	1	FCD450 (EN-GJS-450-10)
6	Stuffing Box	1	FC200 (EN-GJL-200)	43	Cathodic Protection Plate	3	Aluminium Alloy ALAP
20A	Upper Pump Casing	1	FC200 (EN-GJL-200)	50	Motor Bracket	1	FC200 (EN-GJL-200)
20B	Lower Pump Casing	1	FC200 (EN-GJL-200)	52A	Upper Bearing	1	6306ZZC3
21	Impeller	1	Chromium Iron Casting HiCrFC	52B	Lower Bearing	1	6309ZZD2C3
23	Strainer Stand	1	SS400 (DIN 1.0040)	53	Motor Protector	1	
25	Mechanical Seal	1	HT-3035	54	Shaft	1	SUS420J2 (EN-X30Cr13)
26A	Oil Seal	1	SC35508	55	Rotor	1	
26B	Oil Seal	1	TC355511	56	Stator	1	
26C	Labyrinth Ring	1	SUS403 (EN-X6Cr13)	60	Bearing Housing	1	FC200 (EN-GJL-200)
29	Oil casing	1	FC200 (EN-GJL-200)	64	Motor Frame	1	FC200 (EN-GJL-200)
34A	Suction Mouth	1	FC200 (EN-GJL-200)	65	Outer Cover	1	SS400 (DIN 1.0040)
34B	Mouth Ring	1	Chromium Iron Casting HiCrFC	71A	Upper Shaft Sleeve	1	SUS403 (EN-X6Cr13)
35	Oil Plug	1	SUS304 (EN-X5CrNi18-10)	71B	Lower Shaft Sleeve	1	SUS403 (EN-X6Cr13)
36	Lubricant		Turbine Oil (ISO VG32)	72	Eyebolt	2	SS400 (DIN 1.0040)

Pump Performance Curve

LH615-50

Discharge Bore	150 mm
Total Head	35,0/25,0 m
Capacity	1,5/2,0 m ³ /min
Motor Output	15,0 kW
Motor Input	18,7 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	27,5 A
Starting Current	169,5 A
Poles	2
Revolution	S.S. 2850 r.p.m.
Starting Method	direct on line
Insulation Class	B



LH615-50 (A-04068-1)