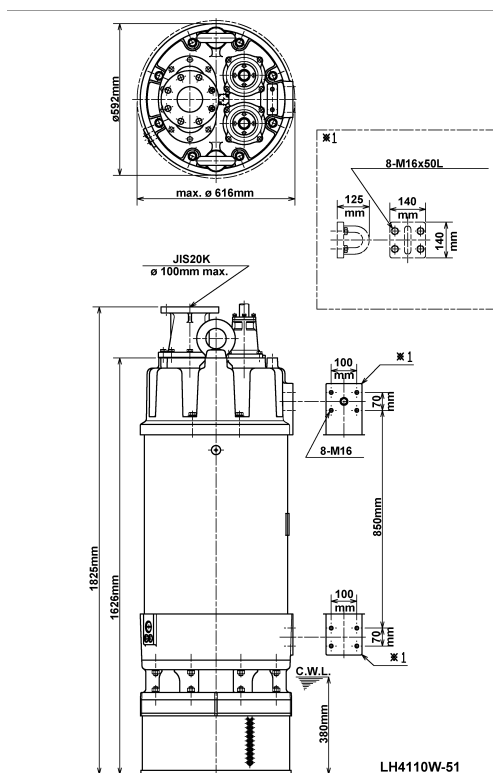
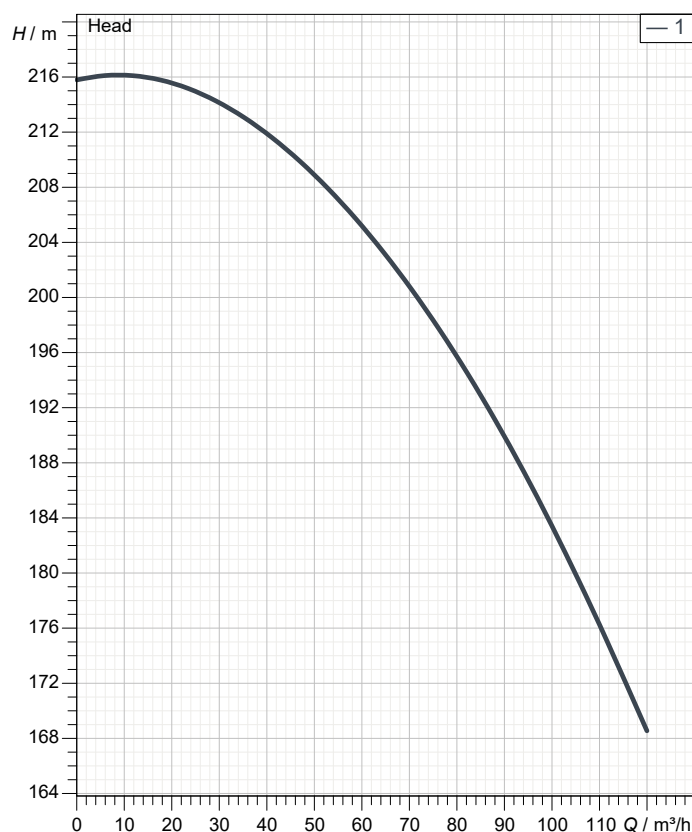


Data sheet LH4110W-51



CWL: Continuous running water level



Specification

Electric submersible pump LHW-series
 Degree of protection IP 68
 Pressure resistance max. 30 m
 Type of impeller Closed
 Max. solid handling 8 mm
 Suitable for:
 rain water, ground water, sand water

Electric motor

Dry-type submersible induction motor
 Insulation class F 2Poles 2965 1/min
 Starting mode Star-delta
 Rated voltage 400 V 50 Hz 3~
 Power uptake 128.96 kW
 Rated power 110.00 kW
 Rated current 209 A
 Start current 1366.9 A

Cable

20m NSSHÖU(3Cx35mm²,3x16mm²/3E,3x2,5ST);NSSHÖU (3Cx35mm², 3x16mm²/3E)

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

Upper Pump casing	FC200 (EN-GJL-200)
Middle Pump casing	FC200 (EN-GJL-200)
Motor Frame	FC200 (EN-GJL-200)
Shaft	SUS420J2 (EN-X30Cr13)

Discharge size

100mm JIS20K flange

Weight

1270 kg (dry weight of the pump only without cable)

Performance curve

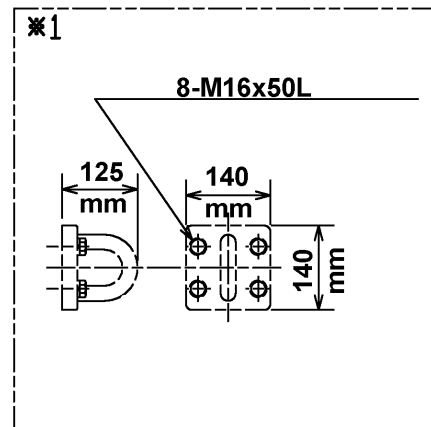
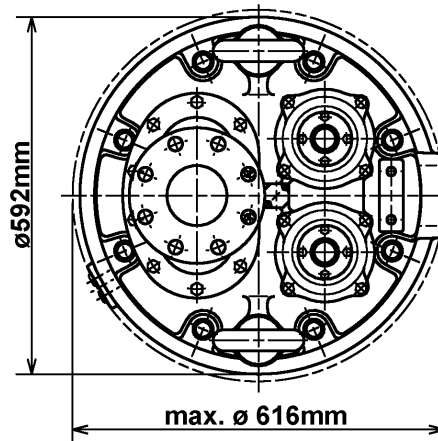
LH4110W-51

Discharge port	4"
Head	215.8 m
Flow	120.0 m³/h
Rated power	110.00 kW
Power input	128.96 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	209 A
Starting current	1366.86 A
Number of poles	2
Speed	2965 1/min
Starting mode	Star-delta
Insulation class	F

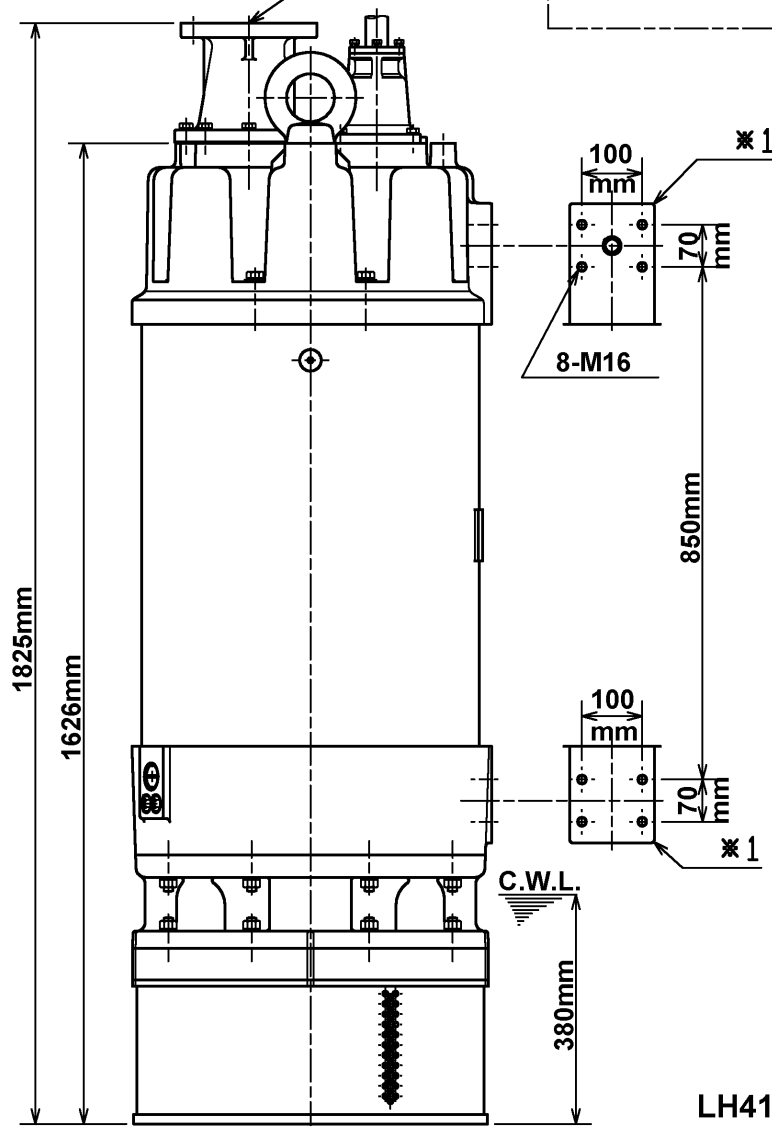


Dimensions

LH4110W-51



JIS20K
 $\varnothing 100\text{mm max.}$

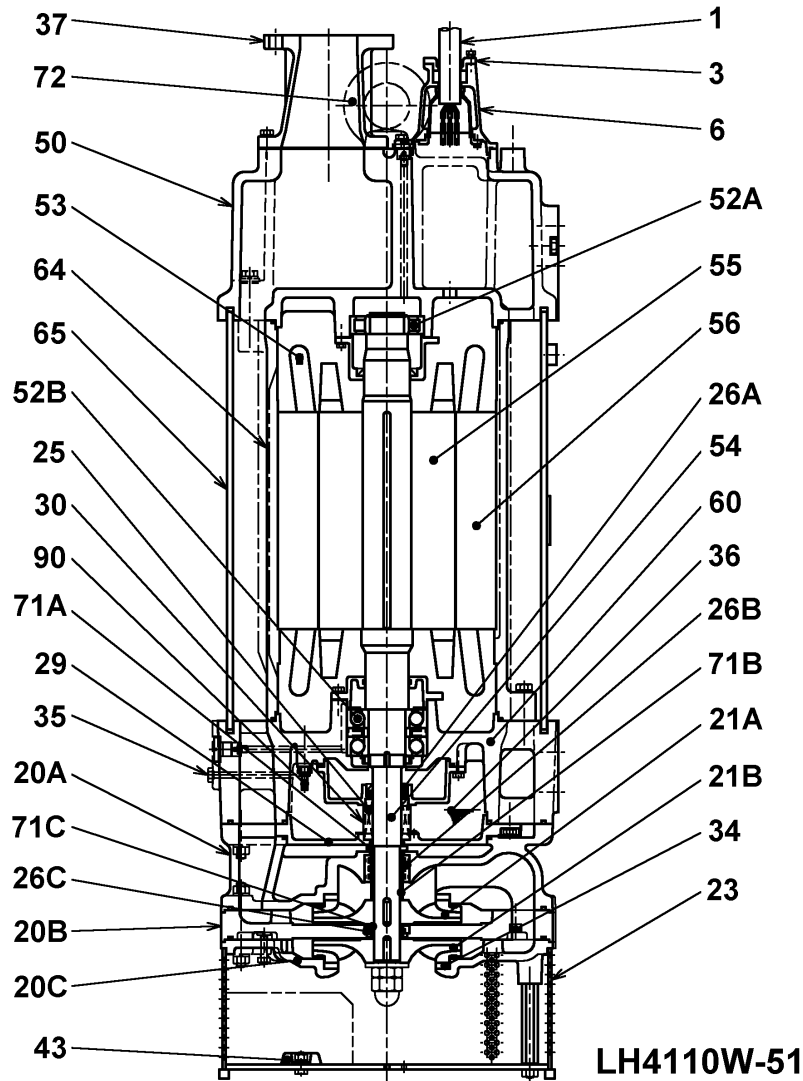


LH4110W-51

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

Sectional drawing

LH4110W-51



No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	43	Sacrificial anode (3x)	Aluminium alloy
3	Gland	FC200 (EN-GJL-200)	50	Motor cover	FC200 (EN-GJL-200)
6	Stuffing box	FC200 (EN-GJL-200)	52A	Upper bearing	NU312
20A	Upper Pump casing	FC200 (EN-GJL-200)	52B	Lower bearing	7313BDB
20B	Middle Pump casing	FC200 (EN-GJL-200)	53	Miniature protector (3x)	.
20C	Lower Pump casing	FC200 (EN-GJL-200)	54	Shaft	SUS420J2 (EN-X30Cr13)
21A	Upper Impeller	Chromium iron casting	55	Rotor	.
21B	Lower Impeller	Chromium iron casting	56	Stator	.
23	Strainer	Construction steel SS400	60	Bearing Housing	FC200 (EN-GJL-200)
25	Mechanical seal	H-50T	64	Motor Frame	FC200 (EN-GJL-200)
26A	Oil seal	SC507212	65	Outer Cover	Construction steel SS400
26B	Upper labyrinth ring	SUS630 (EN-X5CrNiCuNb16-4)	71A	Upper shaft protection sleeve	SUS630 (EN-X5CrNiCuNb16-4)
26C	Lower labyrinth ring	SUS630 (EN-X5CrNiCuNb16-4)	71B	Middle shaft protection sleeve	SUS630 (EN-X5CrNiCuNb16-4)
29	Oil casing	FC200 (EN-GJL-200)	71C	Lower shaft protection sleeve	SUS630 (EN-X5CrNiCuNb16-4)
30	Oil distributor	Steel plate	72	Eye screw	Construction steel SS400
34	Wear Ring	Chromium iron casting	90	Density sensor	.
35	Oil screw (2x)	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
37	Discharge coupling	FCD700 (EN-GJS-700-2)			