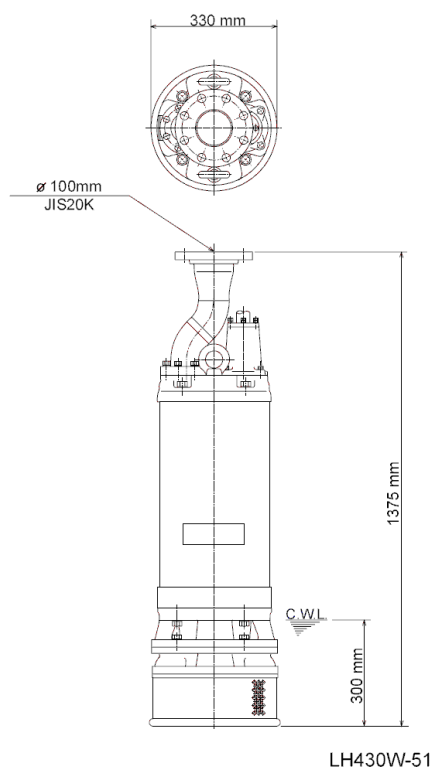
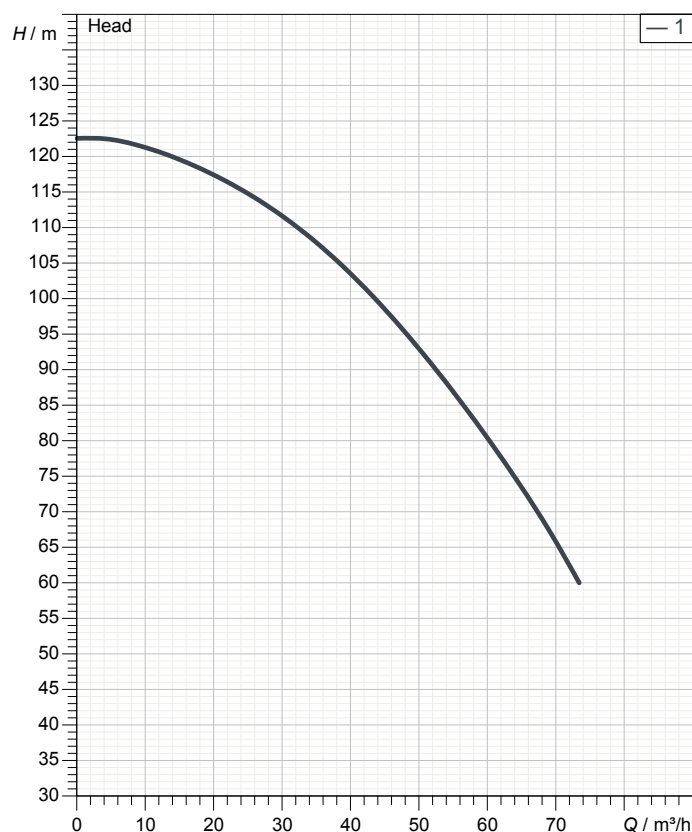


Data sheet LH430W-51



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 8,5 mm
 Suitable for:
 rain water, ground water, sand water

Electric motor

Dry-type submersible induction motor
 Insulation class F 2Poles 2900 1/min
 Starting mode Star-delta
 Rated voltage 400 V 50 Hz 3~
 Power uptake 34,01 kW
 Rated power 30,00 kW
 Rated current 53 A
 Start current 390,1 A

Cable

20m NSSHÖU 7Cx35mm² + 3x2,5mm²ST

Motor Protection

Circle thermal protector
 (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 carbon

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller (2x)	Chromium Iron HiCrFC
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

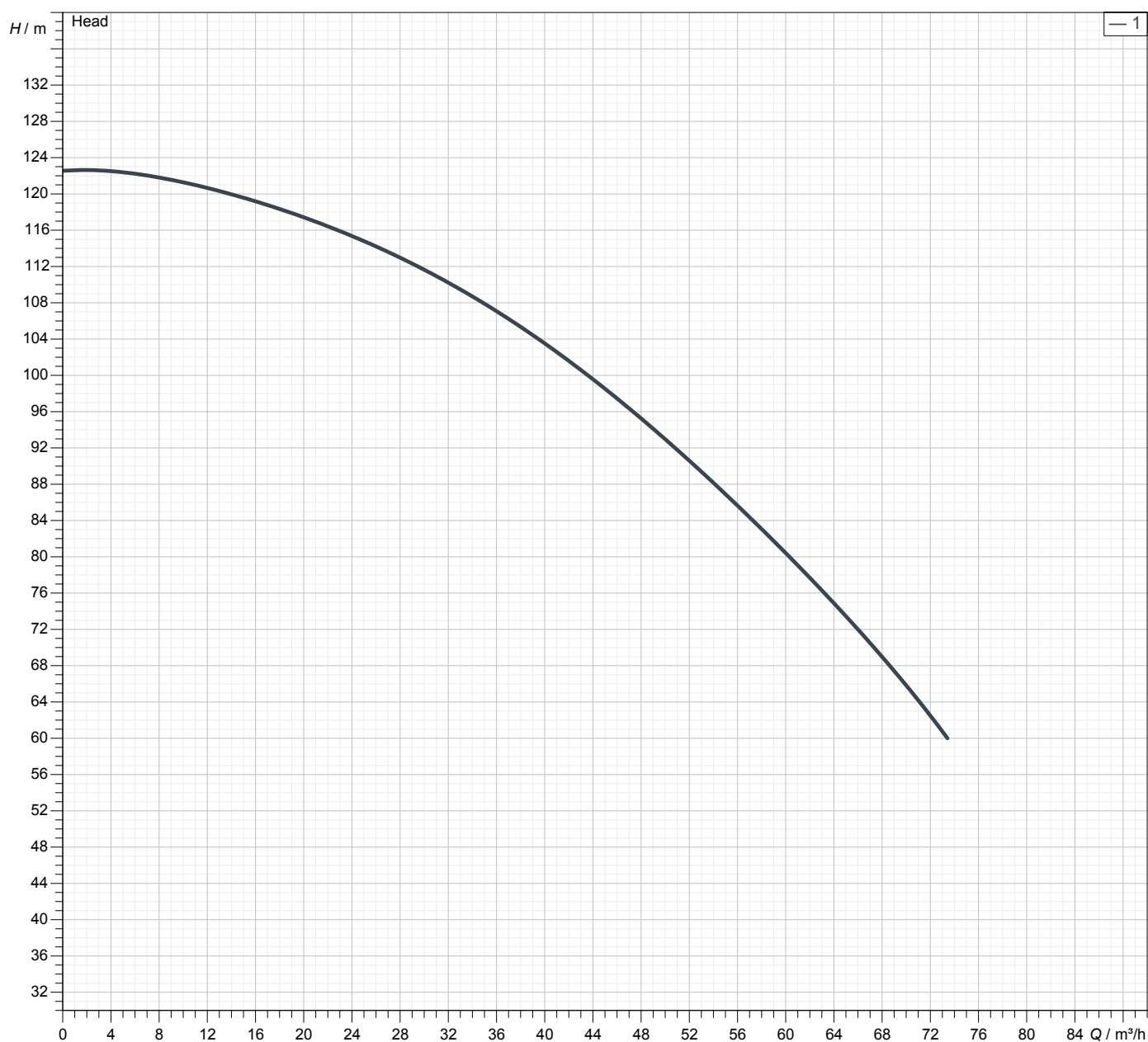
Weight

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

Performance curve

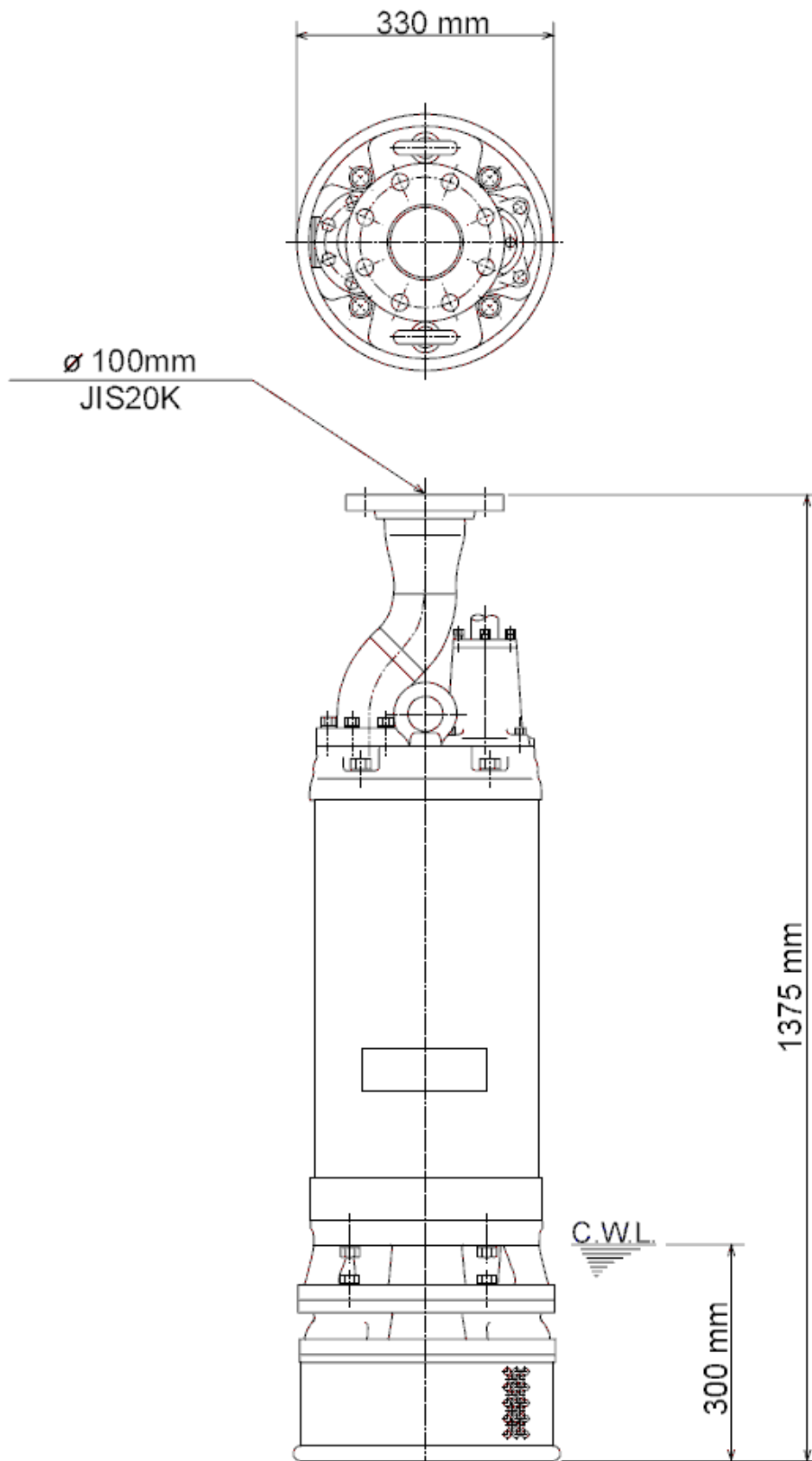
LH430W-51

Discharge port	4"
Head	122,5 m
Flow	73,4 m³/h
Rated power	30,00 kW
Power input	34,01 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	53 A
Starting current	130,03 A
Number of poles	2
Speed	2900 1/min
Starting mode	Star-delta
Insulation class	F



Dimensions

LH430W-51

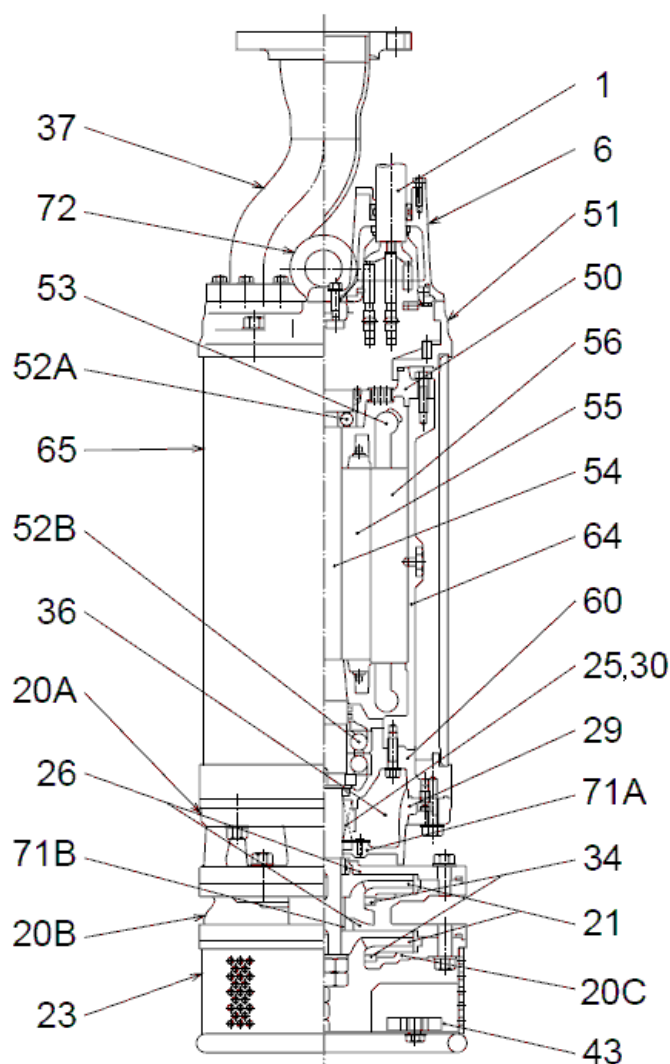


LH430W-51

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

Sectional drawing

LH430W-51



LH430W-51

No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	50	Lower motor cover	FC200 (EN-GJL-200)
6	Stuffing box	FC200 (EN-GJL-200)	51	Upper motor cover	FC200 (EN-GJL-200)
20A	Upper Pump casing	FC200 (EN-GJL-200)	52A	Upper bearing	6307ZZC3
20B	Middle Pump casing	FC200 (EN-GJL-200)	52B	Lower bearing	7311DBC3
20C	Lower Pump casing	FC200 (EN-GJL-200)	53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)
21	Impeller (2x)	Chromium Iron HiCrFC	54	Shaft	SUS420J2 (EN-X30Cr13)
23	Strainer	Construction steel SS400	55	Rotor	.
25	Mechanical seal	HT-4550	56	Stator	.
26	Labyrinth ring (2x)	SUS304 (EN-X5CrNi18-10)	60	Bearing Housing	FC200 (EN-GJL-200)
29	Oil casing	FC200 (EN-GJL-200)	64	Motor Frame	FC200 (EN-GJL-200)
30	Oil distributor	Plastic	65	Outer Cover	Construction steel SS400
34	Wear Ring (2x)	Chromium Iron HiCrFC	71A	Upper shaft protection sleeve	SUS403 (EN-X6Cr13)
35	Oil screw (3x)	SUS304 (EN-X5CrNi18-10)	71B	Lower shaft protection sleeve	SUS403 (EN-X6Cr13)
36	Lubricant	Turbine oil (ISO VG32)	72	Eye screw (2x)	SUS304 (EN-X5CrNi18-10)
37	Discharge coupling	steel pipe / Sectional steel SUS 10040			
43	Sacrificial anode (2x)	Aluminium alloy			