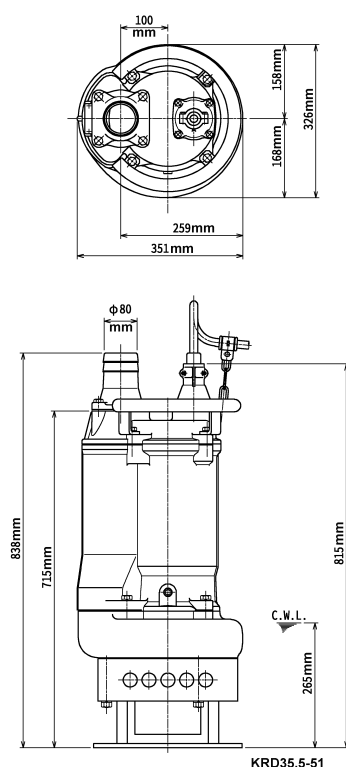
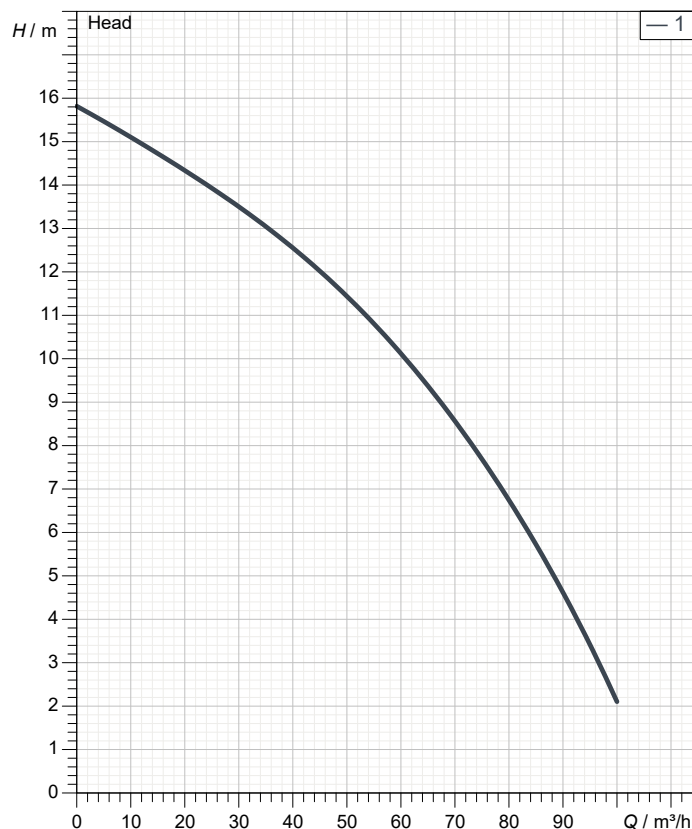


Data sheet KRD35.5-51



CWL: Continuous running water level



Specification

Electric submersible pump with agitator
Explosion proof according

Degree of protection IP 68
Pressure resistance max. 15 m
Type of impeller Open
Max. solid handling 30 mm
Suitable for:
sludge, slurry, liquids containing

Electric motor

Dry-type submersible induction motor
Insulation class F 4Poles 1450 1/min
Starting mode Direct starting
Rated voltage 400 V 50 Hz 3~
Power uptake 6.80 kW
Rated power 5.50 kW
Rated current 12.1 A
Start current 66.0 A

Cable

20m NSSHÖU 4Cx2,5mm²

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 silicon carbide

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller	Chromium iron casting
Agitator	Chromium iron casting
Pump casing	FC200 (EN-GJL-200)
Suction cover	Chromium iron casting
Motor Frame	FC200 (EN-GJL-200)
Shaft	SUS420J2 (EN-X30Cr13)

Discharge size

3" (80mm) hose coupling

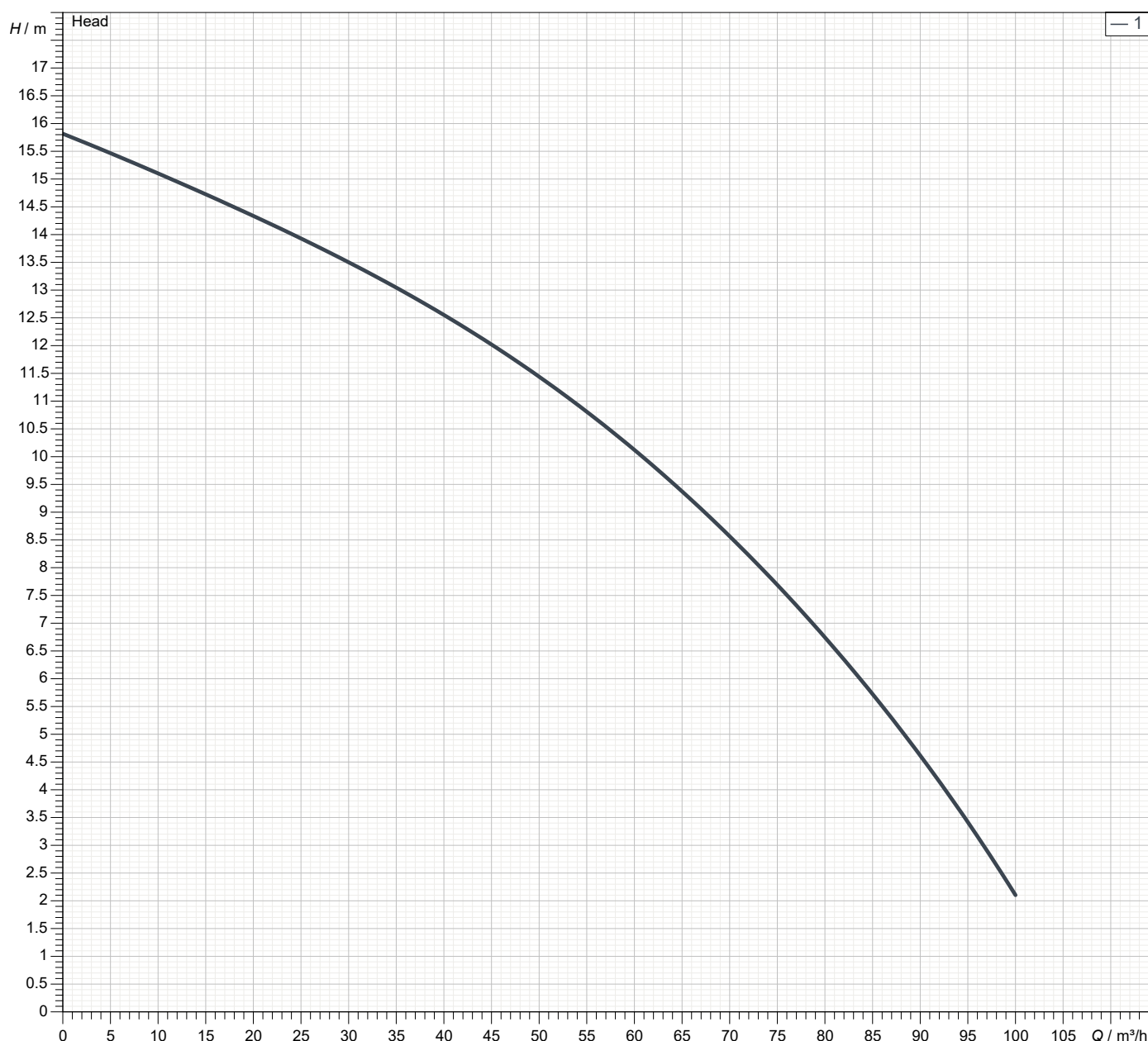
Weight

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

Performance curve

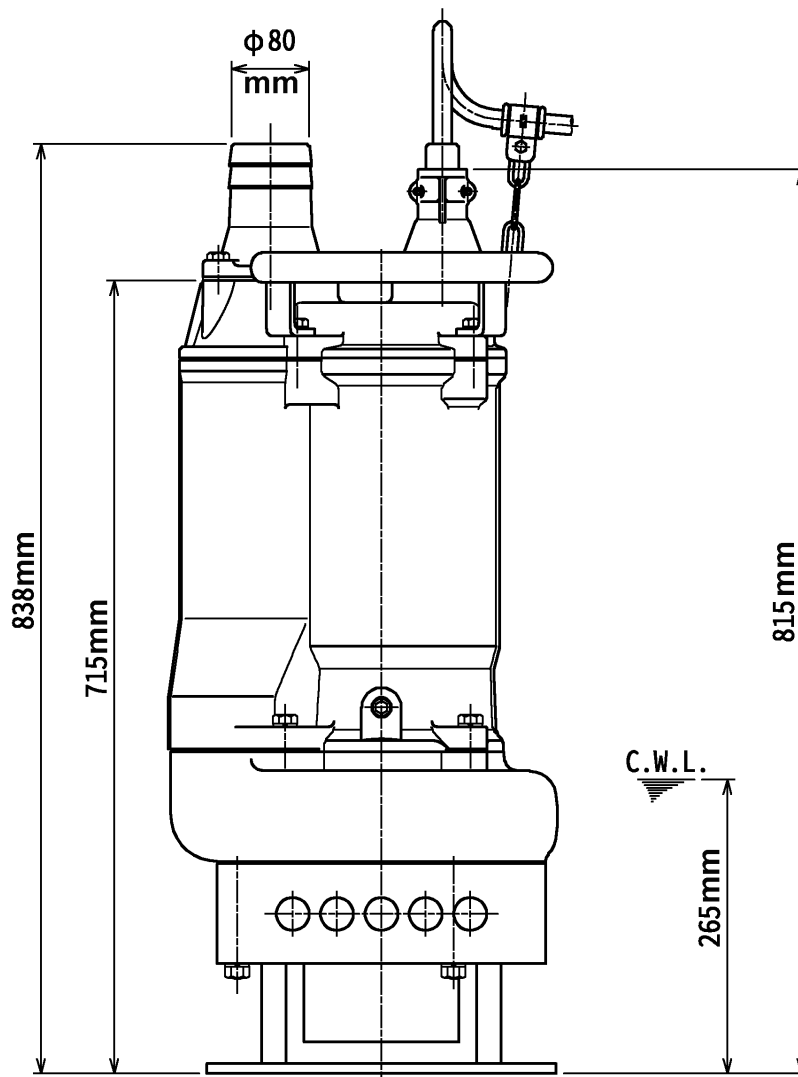
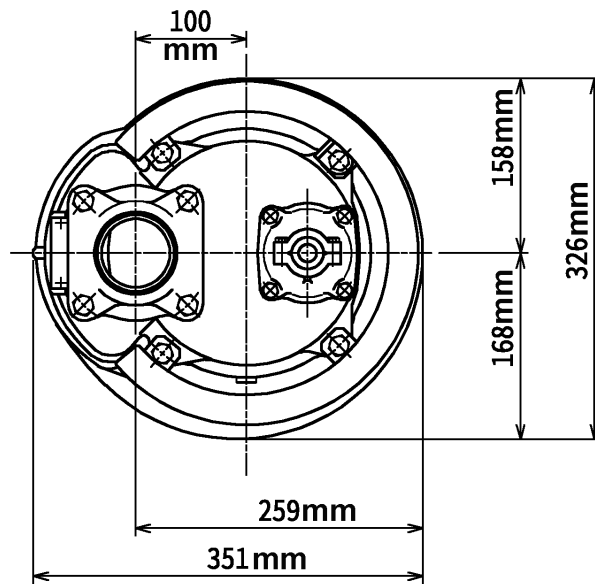
KRD35.5-51

Discharge port	3"
Head	15.8 m
Flow	100.0 m³/h
Rated power	5.50 kW
Power input	6.80 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	12.1 A
Starting current	66.00 A
Number of poles	4
Speed	1450 1/min
Starting mode	Direct starting
Insulation class	F



Dimensions

KRD35.5-51

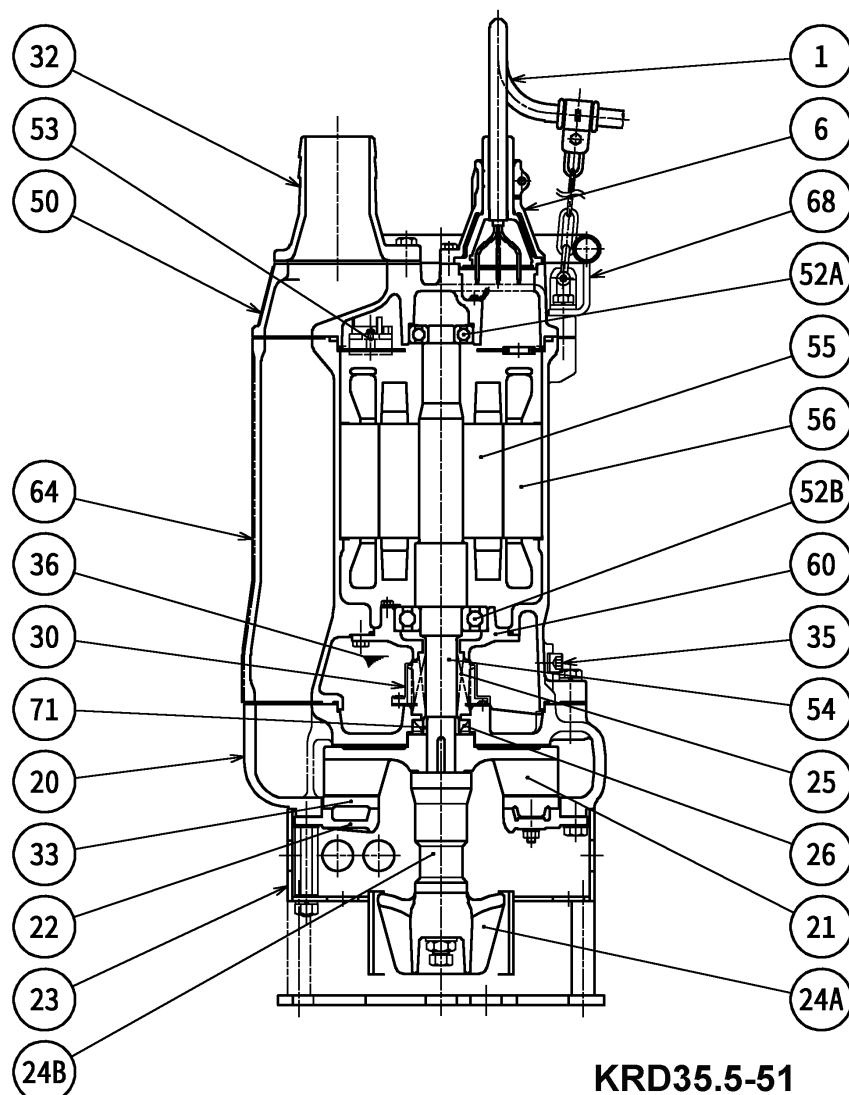


KRD35.5-51

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

Sectional drawing

KRD35.5-51



KRD35.5-51

No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	52B	Lower bearing	6308ZZC3
6	Stuffing box	FC200 (EN-GJL-200)	53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)
20	Pump casing	FC200 (EN-GJL-200)	54	Shaft	SUS420J2 (EN-X30Cr13)
21	Impeller	Chromium iron casting	55	Rotor	.
22	Suction cover	Chromium iron casting	56	Stator	.
23	Strainer	Steel plate / steel pipe	60	Bearing Housing	FC200 (EN-GJL-200)
24	Agitator	Chromium iron casting	64	Motor Frame	FC200 (EN-GJL-200)
24B	Connection rod	FCD45 (EN-GJS-450-10)	68	Handle	electroplated steel pipe
25	Mechanical seal	H-30	71	Shaft protection sleeve	SUS403 (EN-X6Cr13)
26	Oil seal	TC355511			
32	Discharge coupling	FC200 (EN-GJL-200)			
33	Suction cover	Chromium iron casting			
35	Oil screw	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
50	Main cover	FC200 (EN-GJL-200)			
52A	Upper bearing	6305ZZC3			