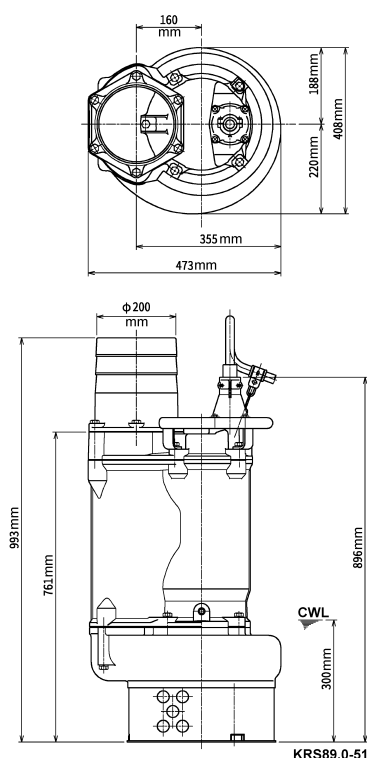
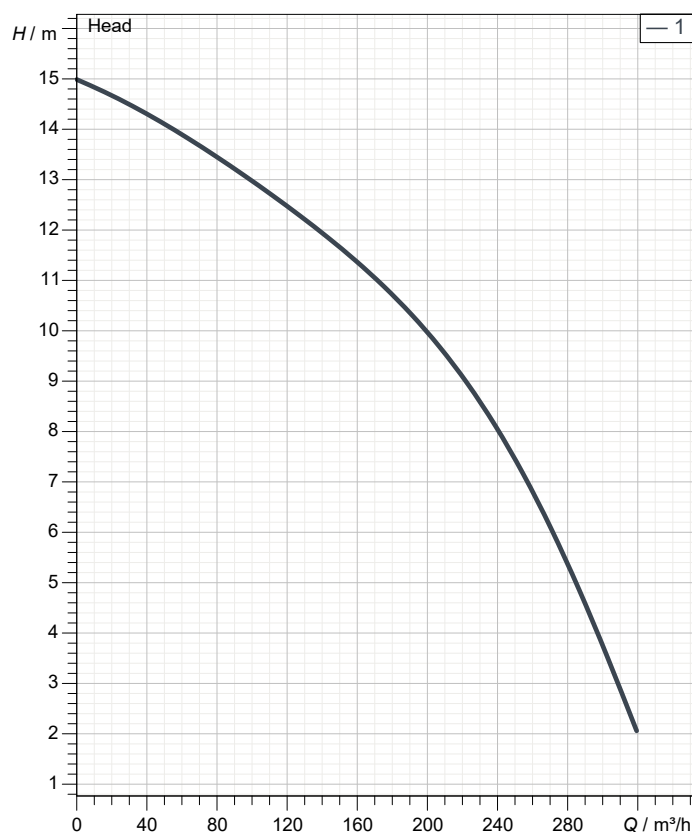


Data sheet KRS89.0-51



CWL: Continuous running water level



Specification

Electric submersible pump KRS-series
 Degree of protection IP 68
 Pressure resistance max. 15 m
 Type of impeller Semi-open
 Max. solid handling 30 mm
 Suitable for:
 rain water, ground water, sand water

Electric motor

Dry-type submersible induction motor
 Insulation class F 4Poles 1470 1/min
 Starting mode Direct starting
 Rated voltage 400 V 50 Hz 3~
 Power uptake 10.90 kW
 Rated power 9.00 kW
 Rated current 19.5 A
 Start current 162.0 A

Cable

20m NSSHÖU 4Cx4mm²

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	FCD700 (EN-GJS-700-2)
Pump casing	FC200 (EN-GJL-200)
Suction cover	FC200 (EN-GJL-200)
Motor Frame	FC200 (EN-GJL-200)
Shaft	SUS420J2 (EN-X30Cr13)

Discharge size

8" (200mm) hose coupling

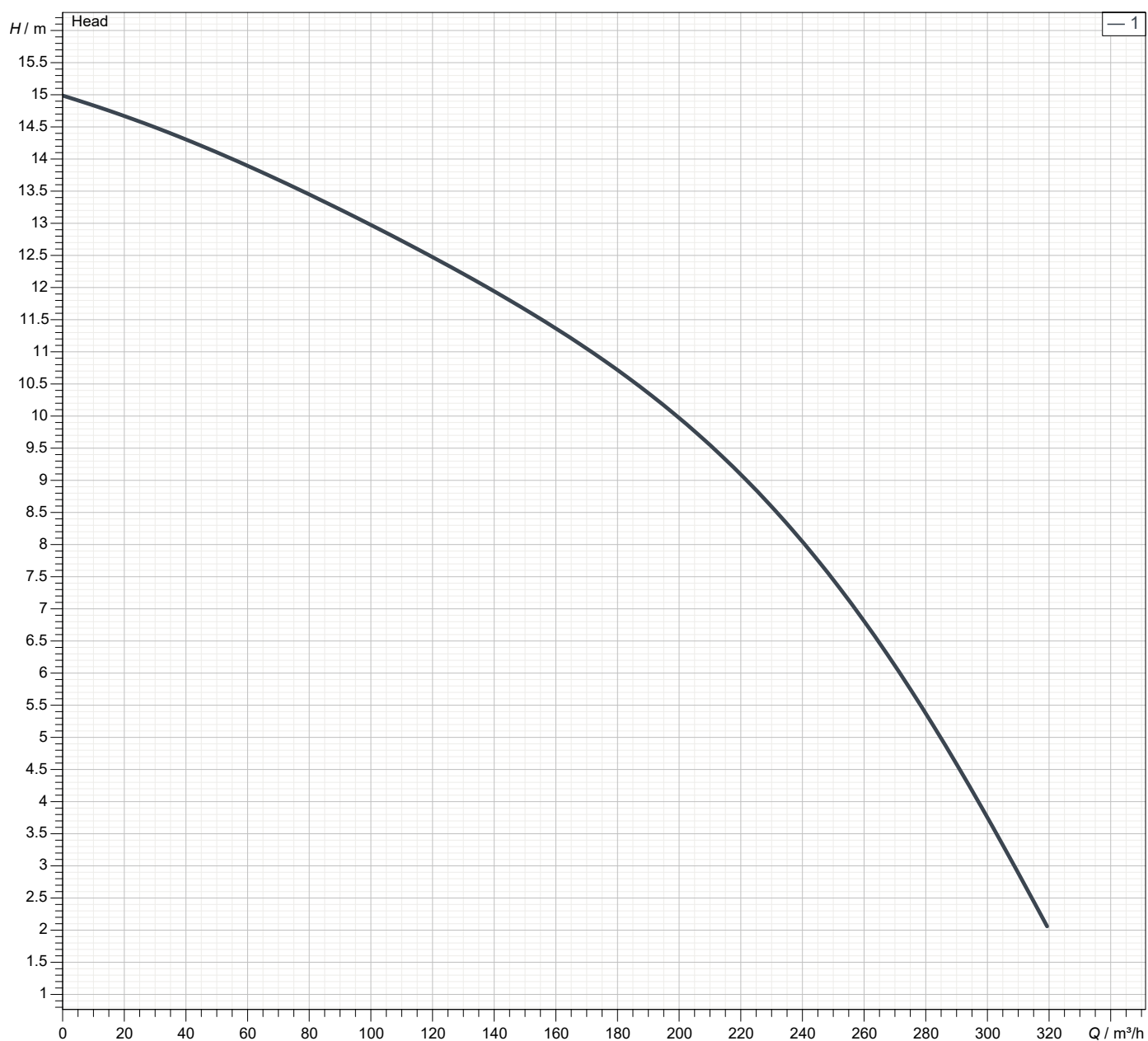
Weight

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

Performance curve

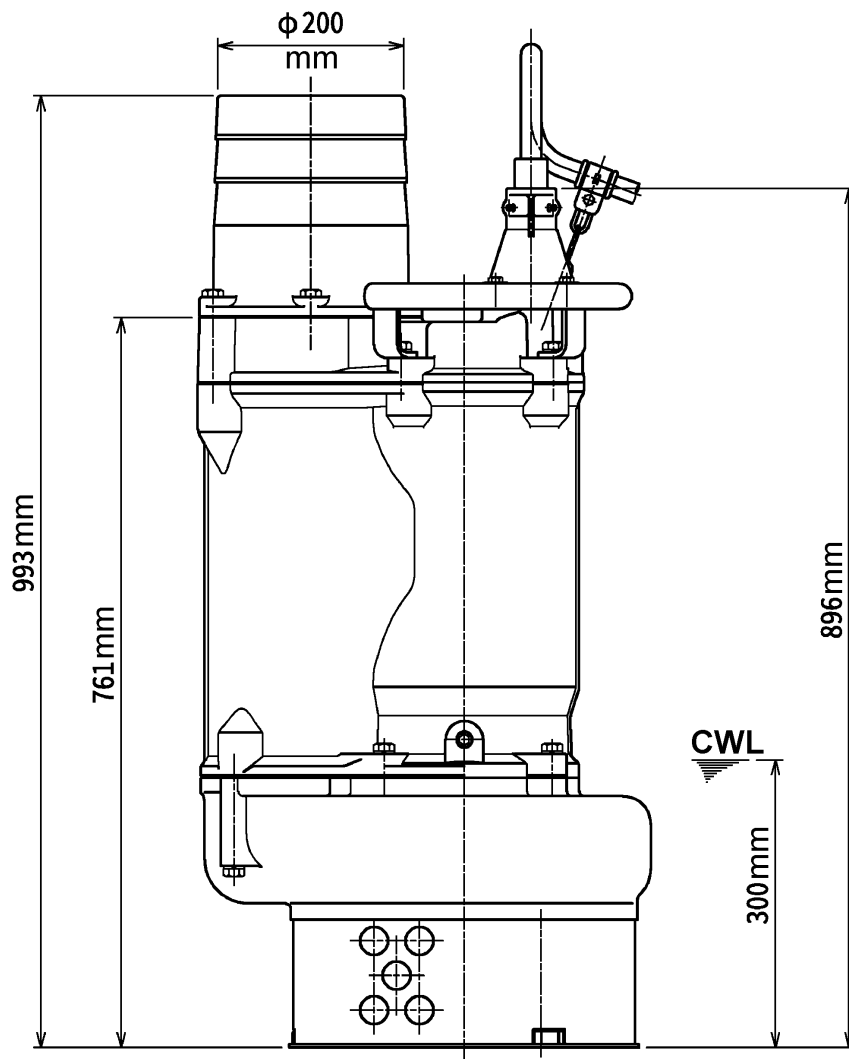
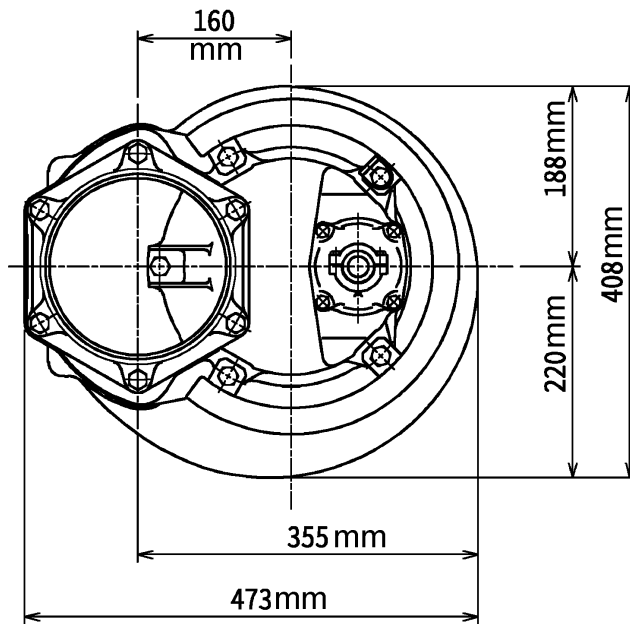
KRS89.0

Discharge port	8"
Head	15.0 m
Flow	319.4 m³/h
Rated power	9.00 kW
Power input	10.90 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	19.5 A
Starting current	162.00 A
Number of poles	4
Speed	1470 1/min
Starting mode	Direct starting
Insulation class	F



Dimensions

KRS89.0-51

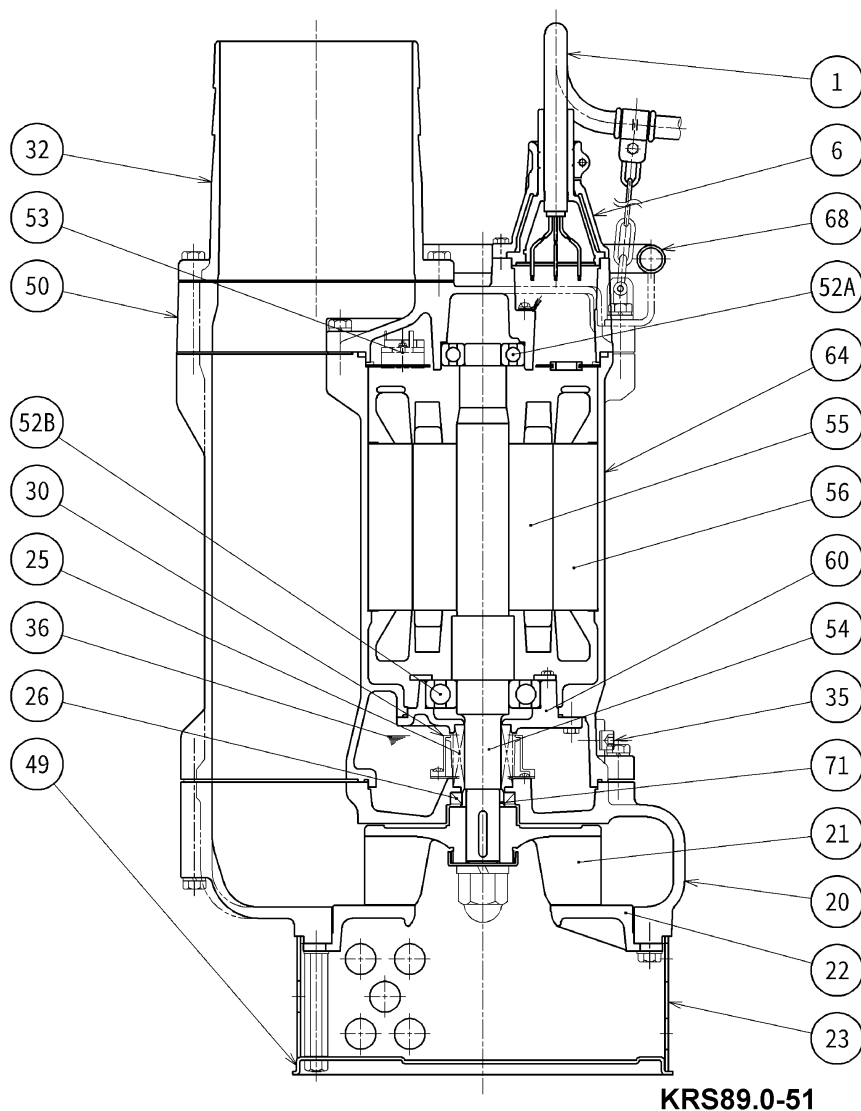


KRS89.0-51

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

Sectional drawing

KRS89.0-51



KRS89.0-51

No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	53	Motor Protector 380/400/415V-50Hz.KA314-HRXL00 (H.C)	
6	Stuffing box	FC200 (EN-GJL-200)	54	Shaft	SUS420J2 (EN-X30Cr13)
20	Pump casing	FC200 (EN-GJL-200)	55	Rotor	.
21	Impeller	FCD700 (EN-GJS-700-2)	56	Stator	.
22	Suction cover	FC200 (EN-GJL-200)	60	Bearing Housing	FC200 (EN-GJL-200)
23	Strainer	Steel plate	64	Motor Frame	FC200 (EN-GJL-200)
25	Mechanical seal	H-35	68	Handle	Steel plate / steel pipe
26	Oil seal	TC406211	71	Shaft protection sleeve	SUS403 (EN-X6Cr13)
30	Oil distributor	Plastic			
32	Discharge coupling	FC200 (EN-GJL-200)			
35	Oil screw	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
49	Bottom Plate	Steel plate SPCC			
50	Main cover	FC200 (EN-GJL-200)			
52B	Upper bearing	6307ZZC3			
52B	Lower bearing	6310ZZC3			