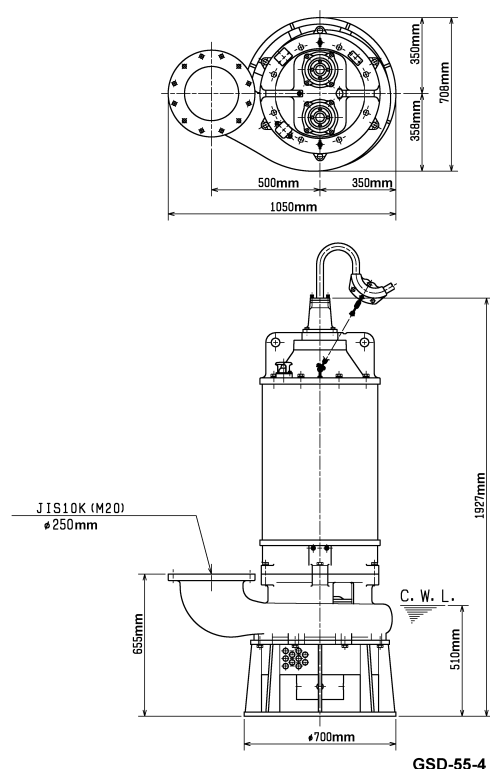


Data sheet GSD-55-4



CWL: Continuous running water level



Specification

Elektrische Tauchpumpe GSD-Serie
 Degree of protection IP 68
 Pressure resistance max. 20 m
 Type of impeller Closed
 Max. solid handling 25 mm
 Suitable for:
 rain water, ground water, sand water

Electric motor

Dry-type submersible induction motor
 Insulation class F 4Poles 1475 rpm
 Starting mode Star-delta
 Rated voltage 400 V 50 Hz 3~
 Power uptake 69.97 kW
 Rated power 55.00 kW
 Rated current 123 A
 Start current 1099.6 A

Cable

20m NSSHÖU(3Cx35mm²,3x16mm²/3E,2x2,5ST);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

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

Discharge size

10" JIS10K Flange

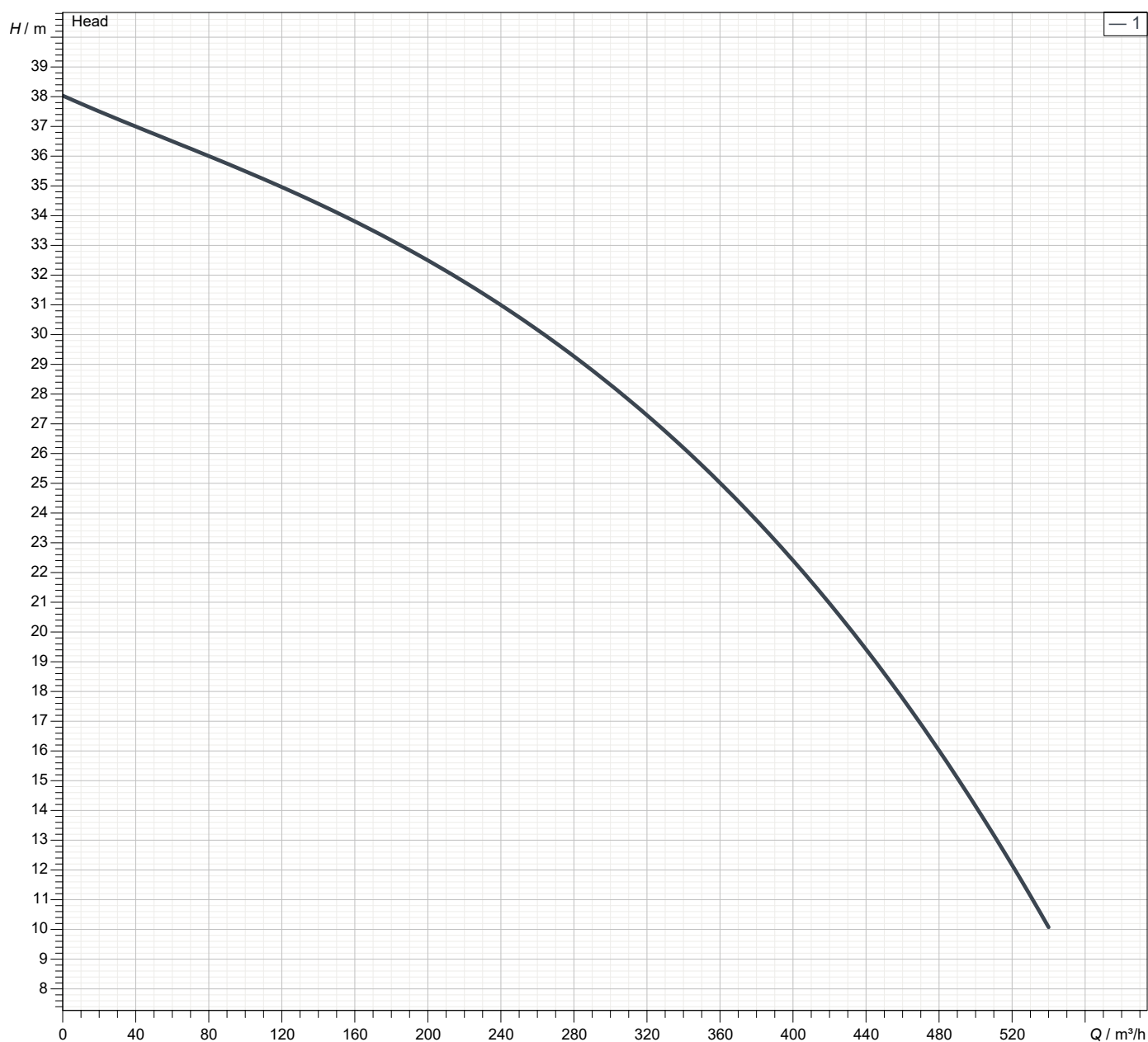
Weight

1215 kg (dry weight of the pump only without cable)

Performance curve

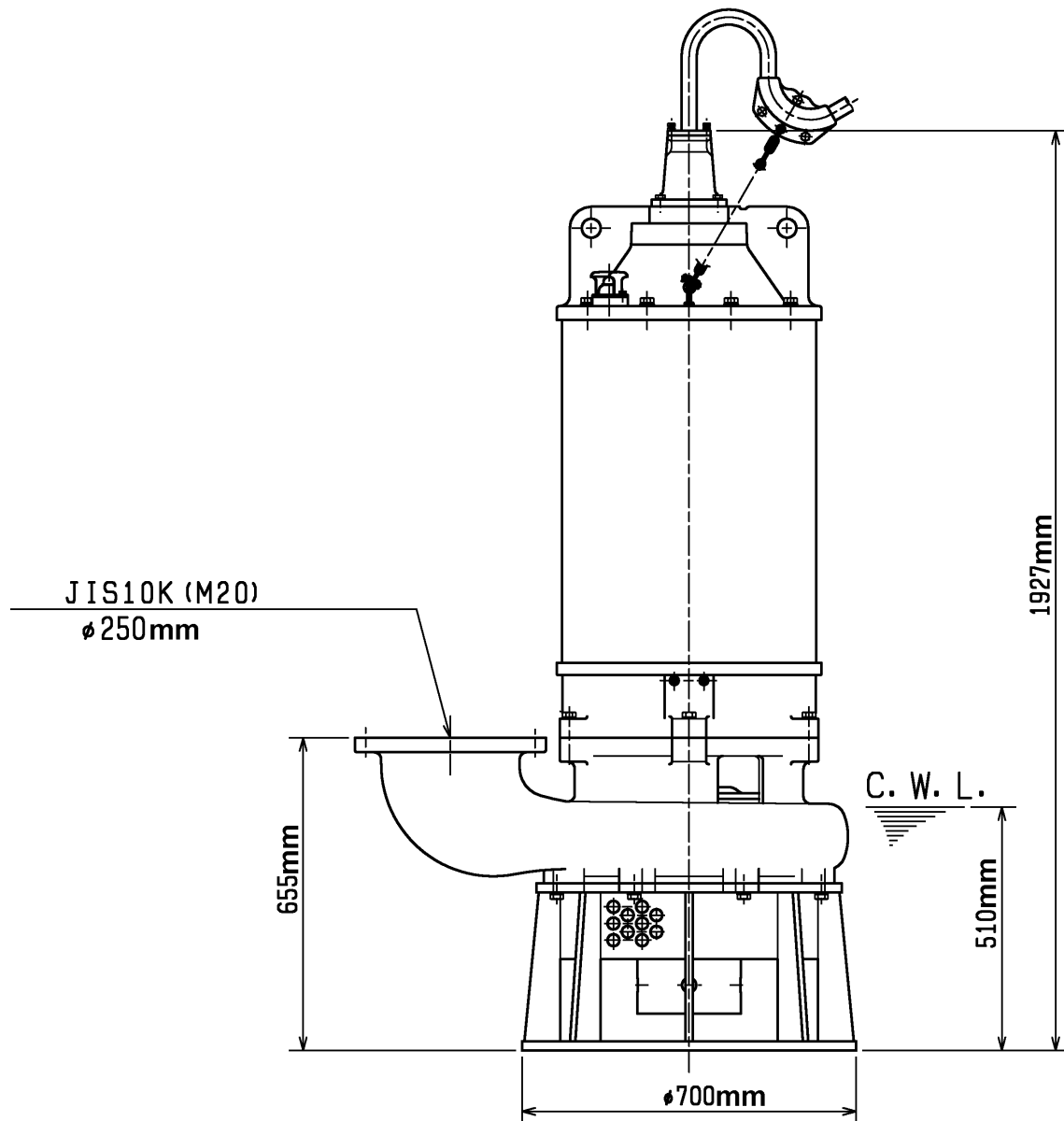
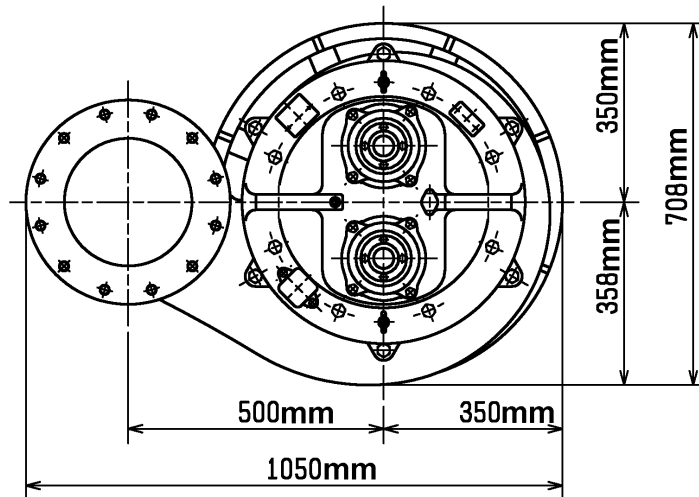
GSD-55-4

Discharge port	10"
Head	38.0 m
Flow	540.0 m³/h
Rated power	55.00 kW
Power input	69.97 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	123 A
Starting current	1099.62 A
Number of poles	4
Speed	1475 rpm
Starting mode	Star-delta
Insulation class	F



Dimensions

GSD-55-4



GSD-55-4

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

GSD-55-4



GSD-55-4

No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	35A	Oil screw	SUS304 (EN-X5CrNi18-10)
3	Gland	FC200 (EN-GJL-200)	35B	Oil screw	SUS304 (EN-X5CrNi18-10)
6	Stuffing box (2x)	FC200 (EN-GJL-200)	36	Lubricant	Turbine oil (ISO VG32)
20	Pump casing	FC200 (EN-GJL-200)	46	Air valve	Steel plate
21	Impeller	Chromium iron casting		Motor cover	Grey cast iron EN-GJL-250
22	Suction cover	FC200 (EN-GJL-200)	52A	Upper bearing	6312ZZC3
	Strainer	DIN 1.0040 + steelplate	52B	Lower bearing	7317BDB
	Connection rod	Nodular graphite iron	53	Miniature protector (3x)	.
24B	Connection rod	Construction steel SS400	54	Shaft	SUS420J2 (EN-X30Cr13)
	Agitator	Chromium iron casting	55	Rotor	.
25	Mechanical seal	H-70	56	Stator	.
26A	Oil seal	TC8011515	60	Bearing Housing	FC200 (EN-GJL-200)
26B	oil seal (2x)	TC8011515	62	Bearing Cover	FC200 (EN-GJL-200)
26C	Labyrinth ring only	SUS403 (EN-X6Cr13)	64	Motor Frame	FC200 (EN-GJL-200)
28	Seal casing	FC200 (EN-GJL-200)	65	Outer Cover	Construction steel SS400
29	Oil casing	FC200 (EN-GJL-200)	71	Shaft protection sleeve	SUS403 (EN-X6Cr13)
30	Oil distributor	Steel plate	72	Eye screw	DIN 1.4301 (EN-X5CrNi 18-10)
	Wear Ring	Chromium iron casting	90	Density sensor	.
34B	Wear Ring	FC200 (EN-GJL-200)			