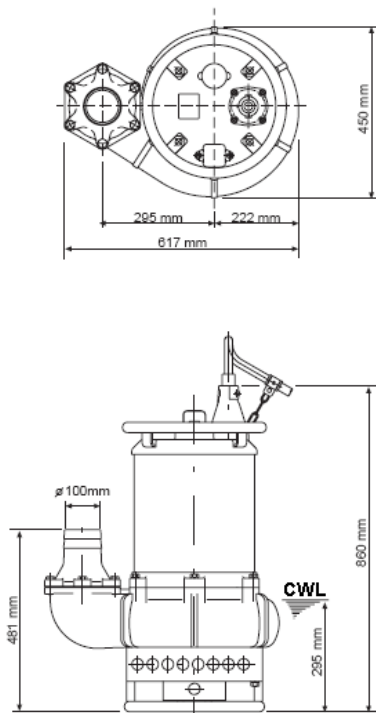
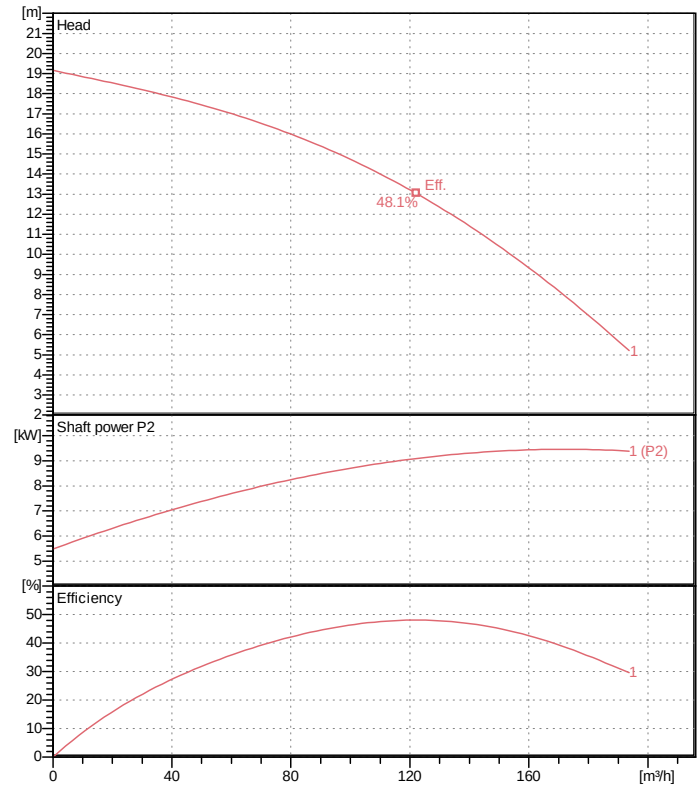


Data sheet GPN3-100



CWL: Continuous running water level



Specification

Electric submersible pump
Degree of protection IP 68
Depth of submersion max. 40 m
Type of impeller Open
Max. solid handling 30 mm
Suitable for:
sludge, slurry, liquids containing sand

Electric motor

Dry-type submersible induction motor
Insulation class B 4Poles 1450 1/min
Starting mode Directly
Rated voltage 400 V 50 Hz 3~
Power uptake 13.21 kW
Rated power 11.00 kW
Rated current 22 A
Start current 163.0 A

Cable

20m H07RN-F 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

Stainless steel SUS420J2

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller	Chromium iron casting
Pump casing	FC200 (EN-GJL-200)
Motor Frame	FC150 (EN-GJL-150)
Shaft	SUS 1.7220 (chromium molybdenum)

Discharge size

4" (100mm) hose coupling

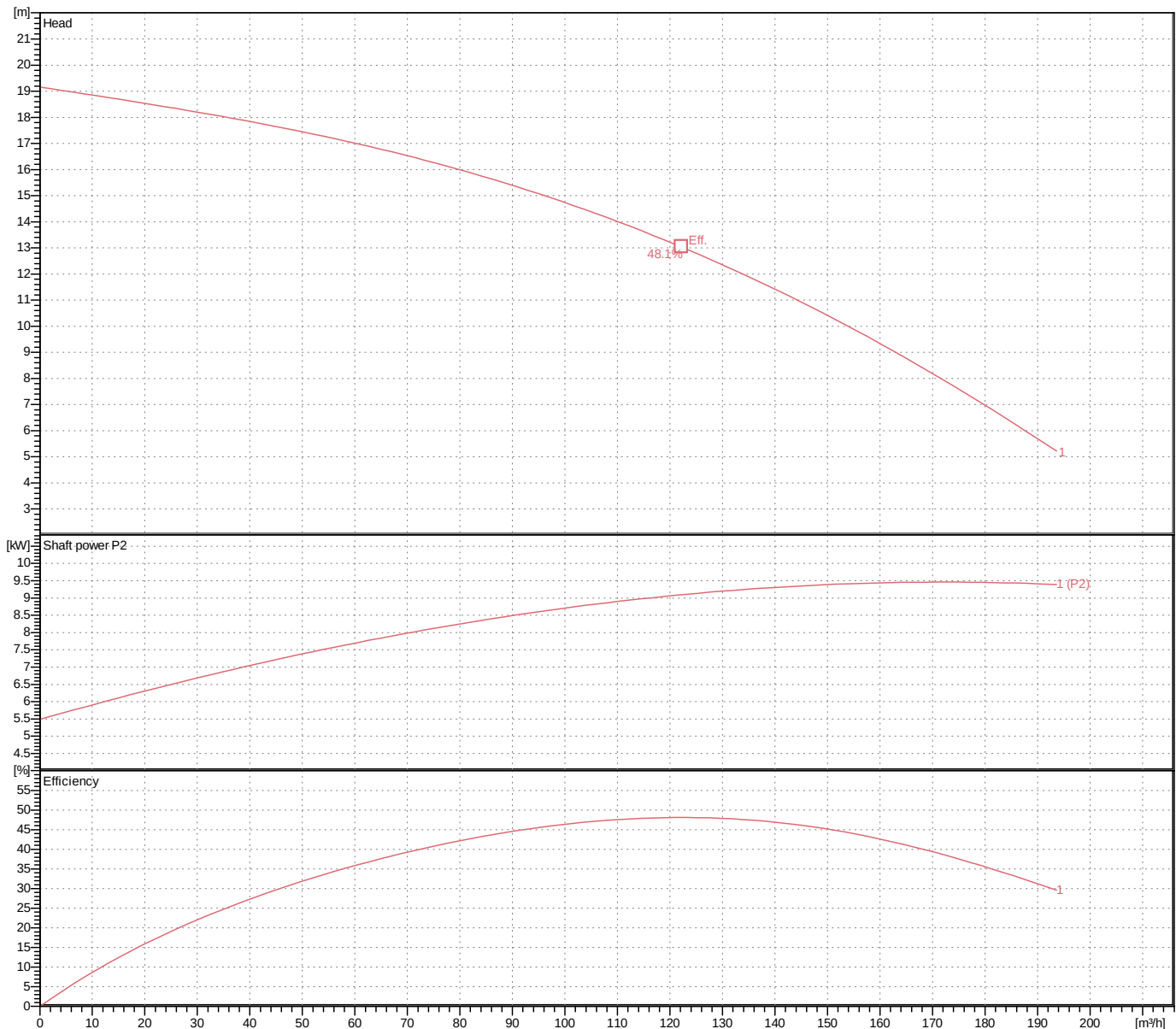
Weight

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

Performance curve

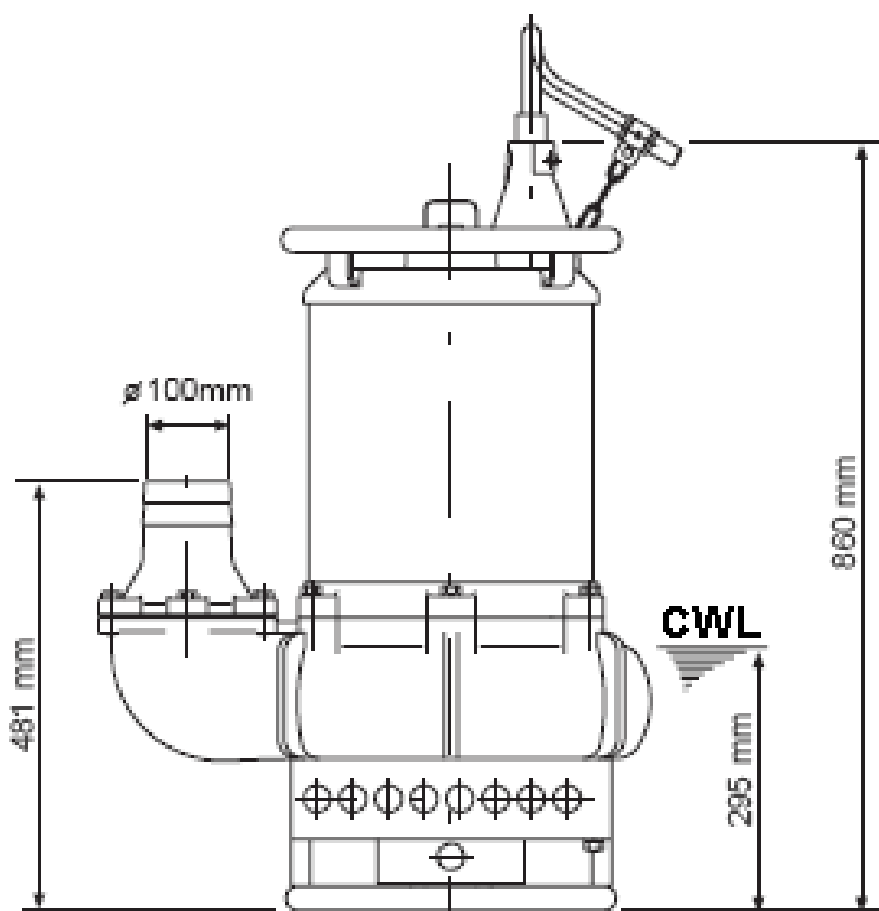
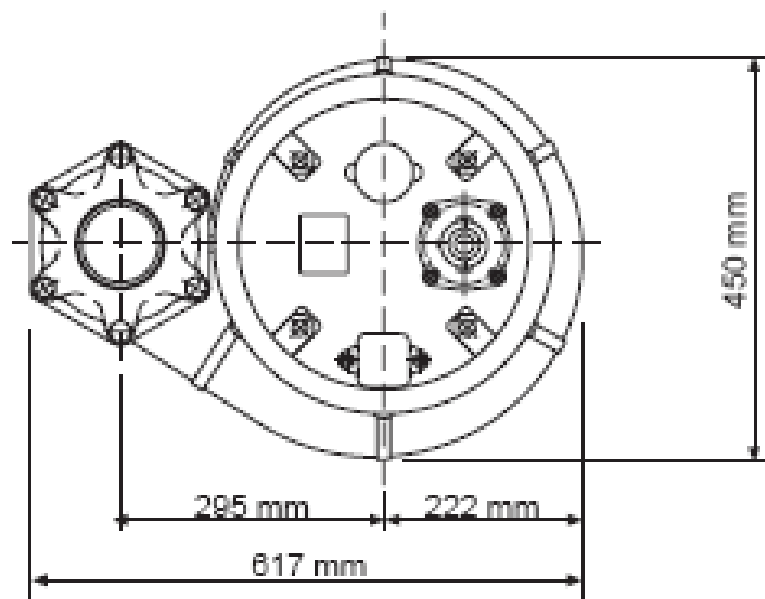
GPN3-100

Discharge port	4"
Head	19.2 m
Flow	193.6 m³/h
Rated power	11.00 kW
Power input	13.21 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	22 A
Starting current	163.02 A
Number of poles	4
Speed	1450 1/min
Starting mode	Directly
Insulation class	B



Dimensions

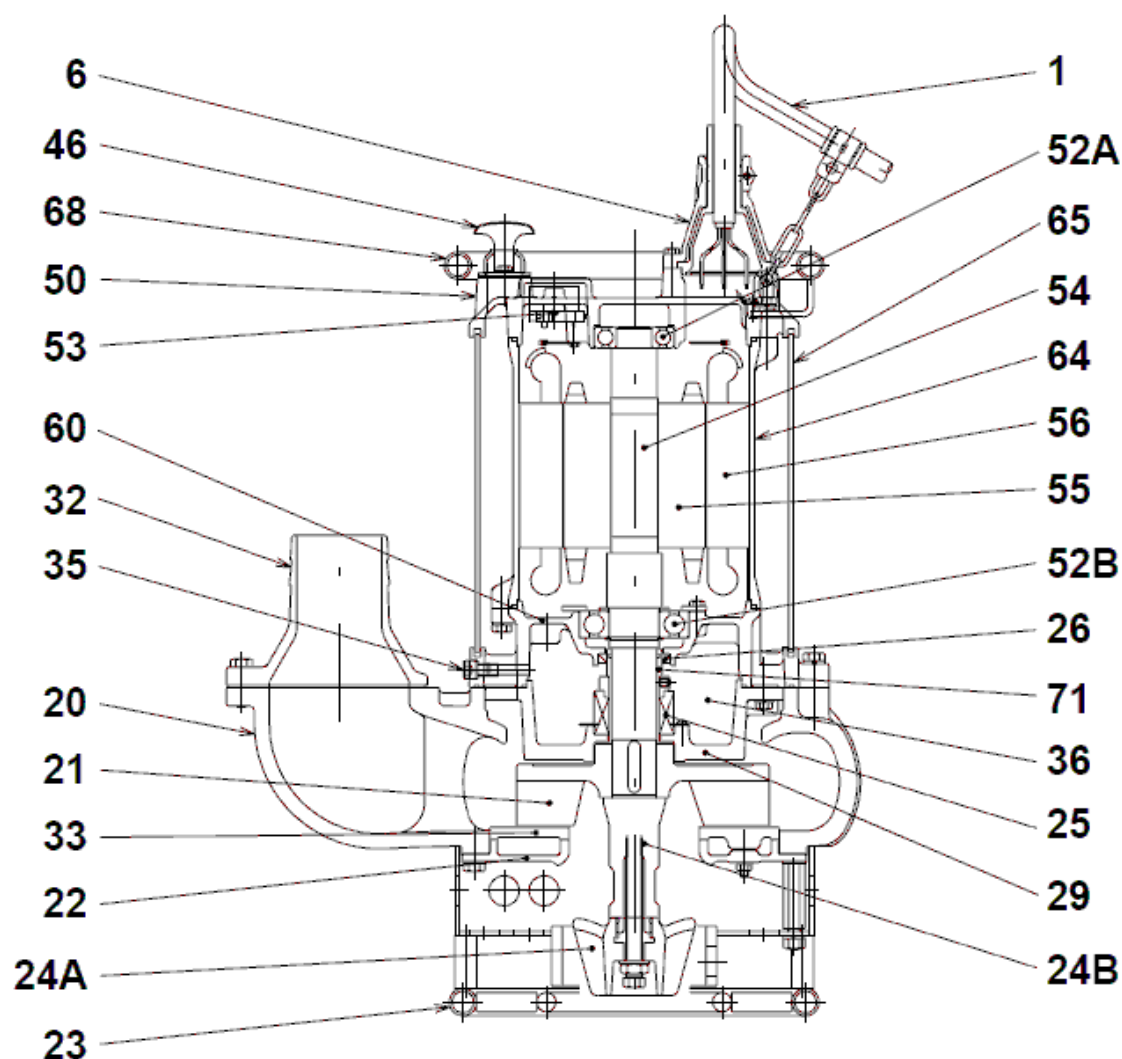
GPN3-100



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

Sectional drawing

GPN3-100



GPN3-100

No.	Denomination	Remark	No.	Denomination	Remark
1	Cable	20m H07RN-F 4Cx4mm ²	52A	Upper bearing	6307ZZC3
6	Stuffing box	FC200 (EN-GJL-200)	52B	Lower bearing	6310ZZC3
20	Pump casing	FC200 (EN-GJL-200)	53	Motor Protector	.
21	Impeller	Chromium iron casting	54	Shaft	SUS 1.7220 (chromium molybdenum)
22	Suction cover	FC200 (EN-GJL-200)	55	Rotor	.
23	Strainer	Steel plate / steel pipe	56	Stator	.
24	Agitator	Chromium iron casting	60	Bearing Housing	FC150 (EN-GJL-150)
25	Mechanical seal	NH-50	64	Motor Frame	FC150 (EN-GJL-150)
26	Oil seal	TC-55729	65	Outer Cover	Construction steel SS400
29	Oil casing	FC200 (EN-GJL-200)	68	Handle	electroplated steel pipe
32	Pressure socket	FC200 (EN-GJL-200)	71	Shaft protection sleeve	Stainless steel SUS304
33	Suction cover	Chromium iron casting			
35	Oil screw	Stainless steel SUS304			
36	Lubricant	Turbine oil (ISO VG32)			
46	Air vent valve	Steel plate			
50	Motor cover	FC150 (EN-GJL-150)			