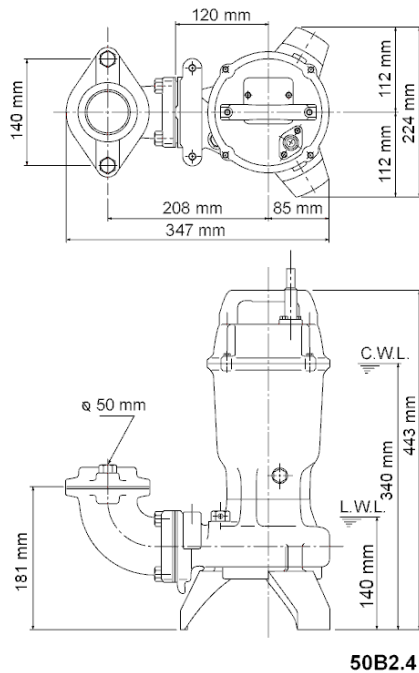
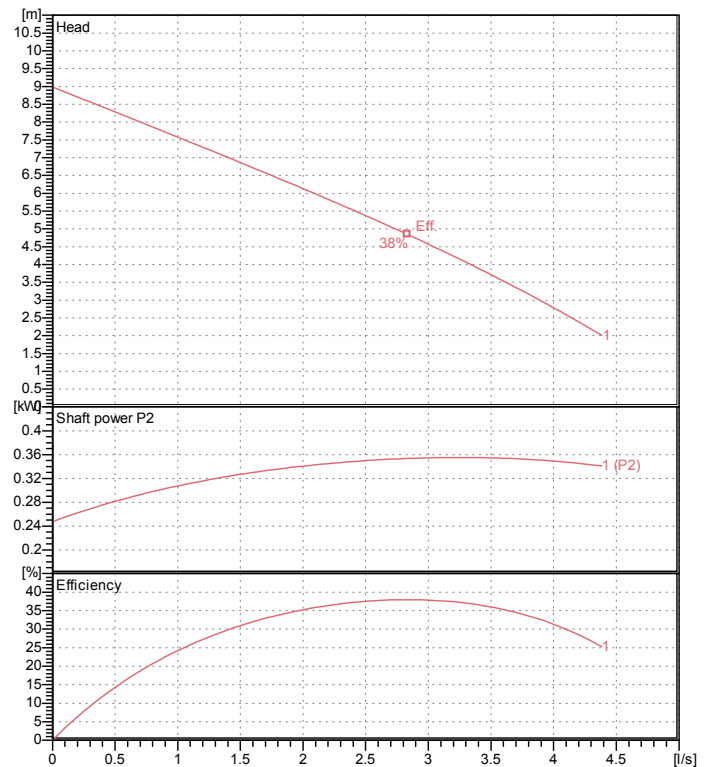


Data sheet 50B2.4



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



Specification

Electric submersible pump
Degree of protection IP 68
Depth of submersion max. 20 m
Type of impeller Single channel impeller
Free passage 19 mm
Suitable for:
sewage water

Electric motor

Dry-type submersible induction motor
Insulation class E 2Poles 2885 1/min
Starting mode Directly
Rated voltage 400 V 50 Hz 3~
Power uptake 0.53 kW
Rated power 0.40 kW
Rated current 1.1 A
Start current 5.3 A

Cable

10m H07RN-F 4Cx1,5mm²

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	FC200 (EN-GJL-200)
Pump casing	FC200 (EN-GJL-200)
Suction cover	FCD45 (EN-GJS-450-10)
Motor Frame	FC150 (EN-GJL-150)
Shaft	SUS 1.4000 (EN-X6Cr13)

Discharge size

2" (50mm) special flange / inside thread
guide rail fitting optional

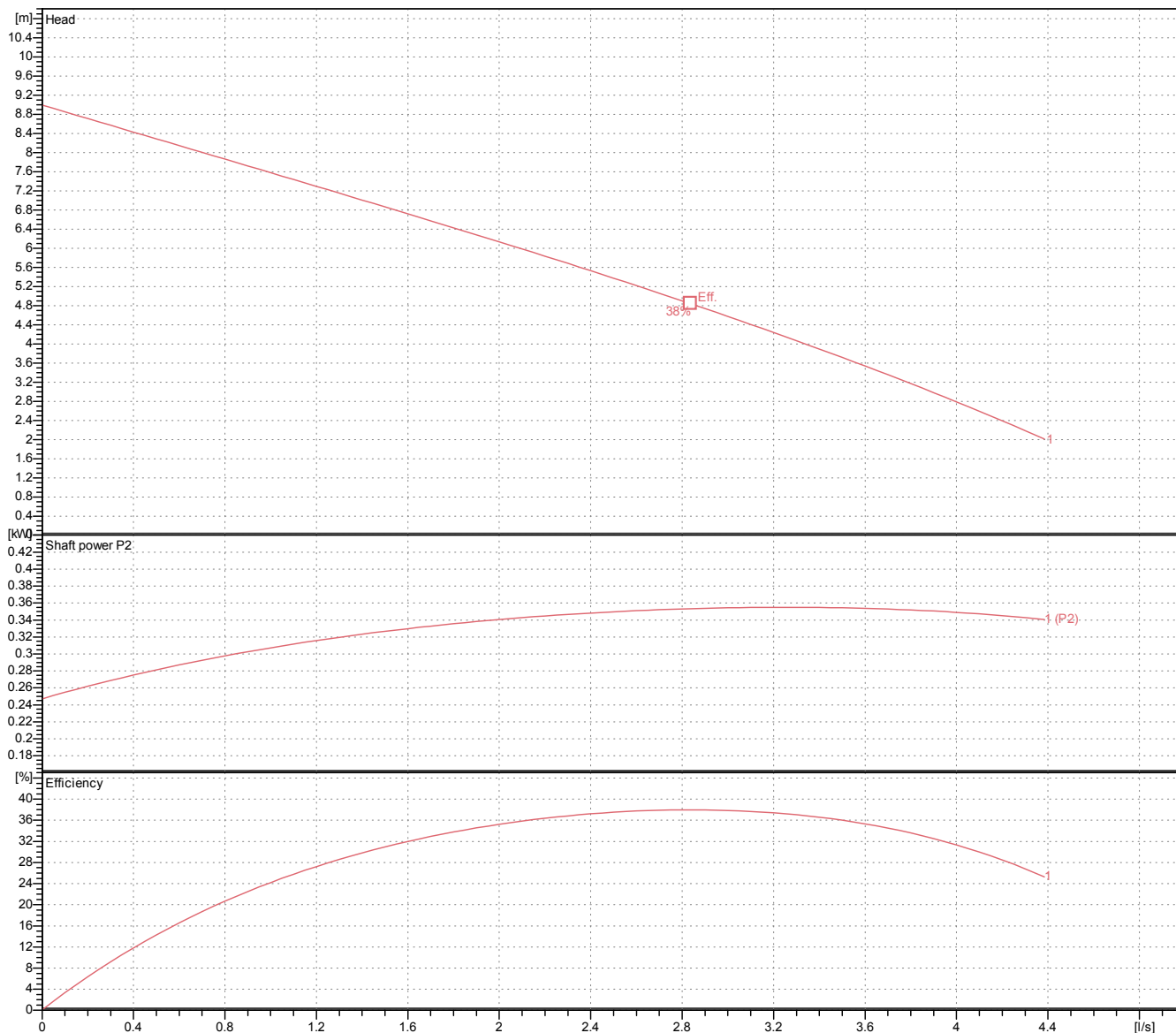
Weight

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

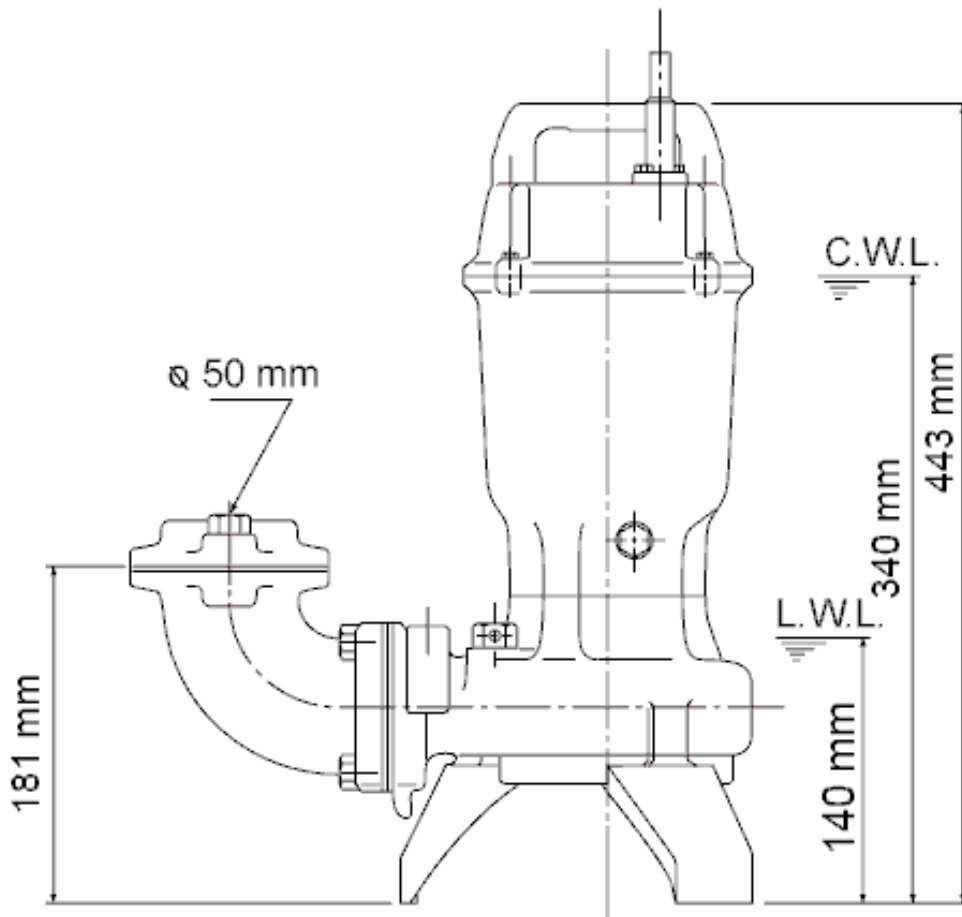
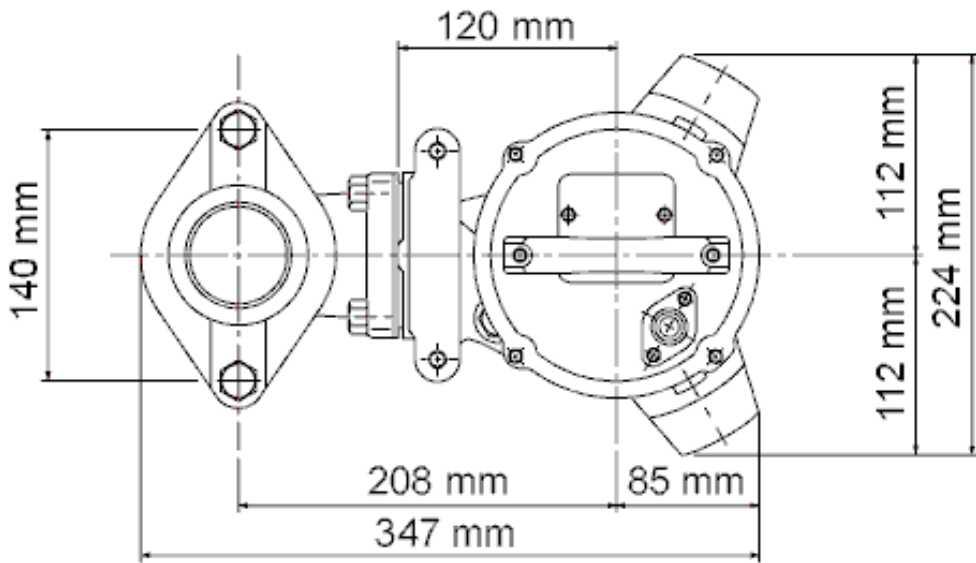
Performance curve

50B2.4

Discharge port	2"
Head	9.0 m
Flow	4.4 l/s
Rated power	0.40 kW
Power input	0.53 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	1.1 A
Starting current	5.30 A
Number of poles	2
Speed	2885 1/min
Starting mode	Directly
Insulation class	E



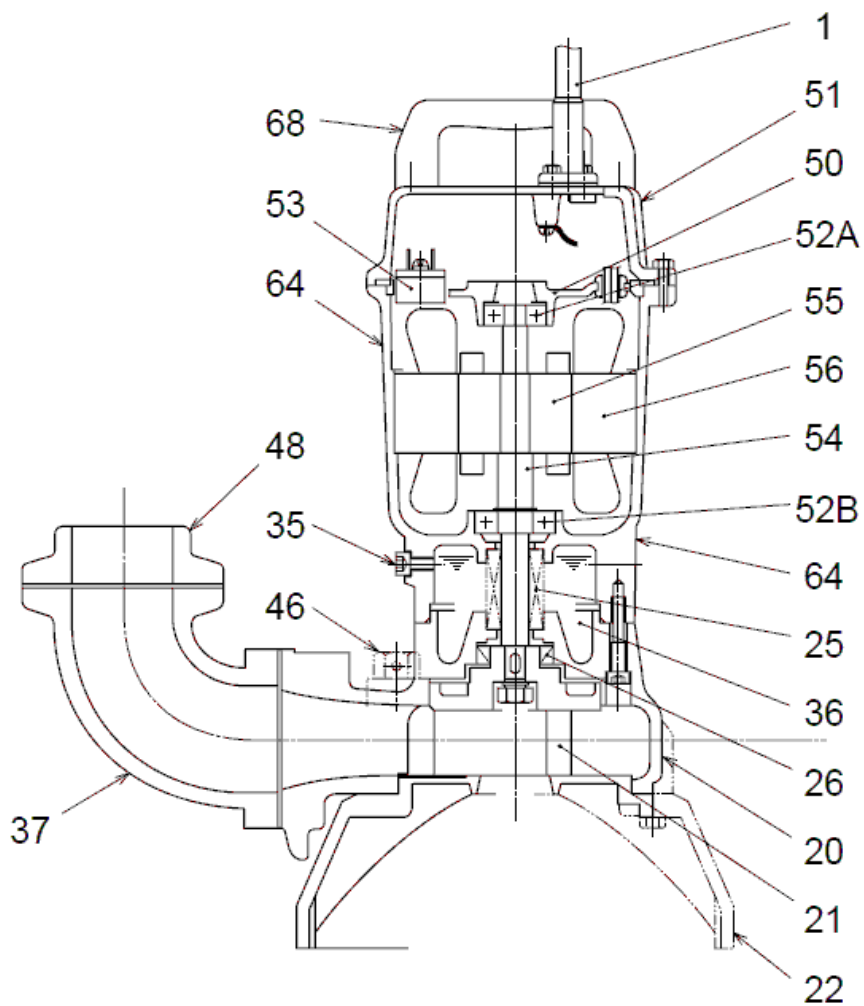
50B2.4



50B2.4

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

Sectional drawing 50B2.4



50B2.4

No.	Denomination	Remark	No.	Denomination	Remark
1	Cable	H07RN-F	54	Shaft	SUS 1.4000 (EN-X6Cr13)
20	Pump casing	FC200 (EN-GJL-200)	55	Rotor	.
21	Impeller	FC200 (EN-GJL-200)	56	Stator	.
22	Suction cover	FCD45 (EN-GJS-450-10)	64	Motor Frame	FC150 (EN-GJL-150)
25	Mechanical seal	H-16	68	Carrier handle	ABS Plastic
26	Oil seal	TC26428			
35	Oil screw	SUS 1.4301 (EN-X5CrNi 18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
37	Discharge bend	FC200 (EN-GJL-200)			
46	Air vent valve	Brass			
48	Screwed Flange	FC200 (EN-GJL-200)			
50	Motor cover	FC150 (EN-GJL-150)			
51	Main cover	FC150 (EN-GJL-150)			
52A	Upper bearing	6201ZZC3			
52B	Lower bearing	6203ZZC3			
53	Motor Protector	.			