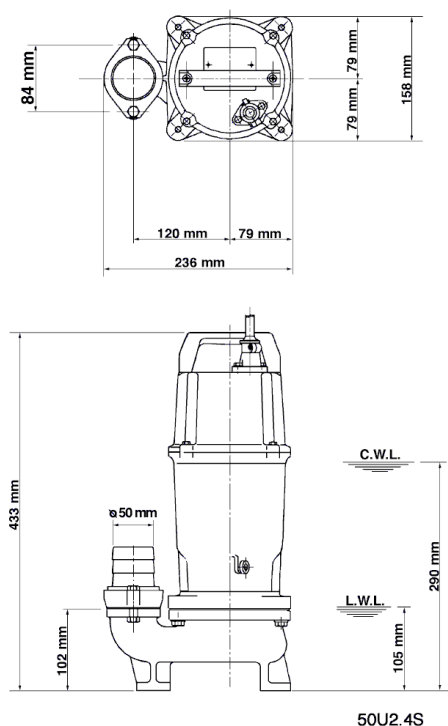
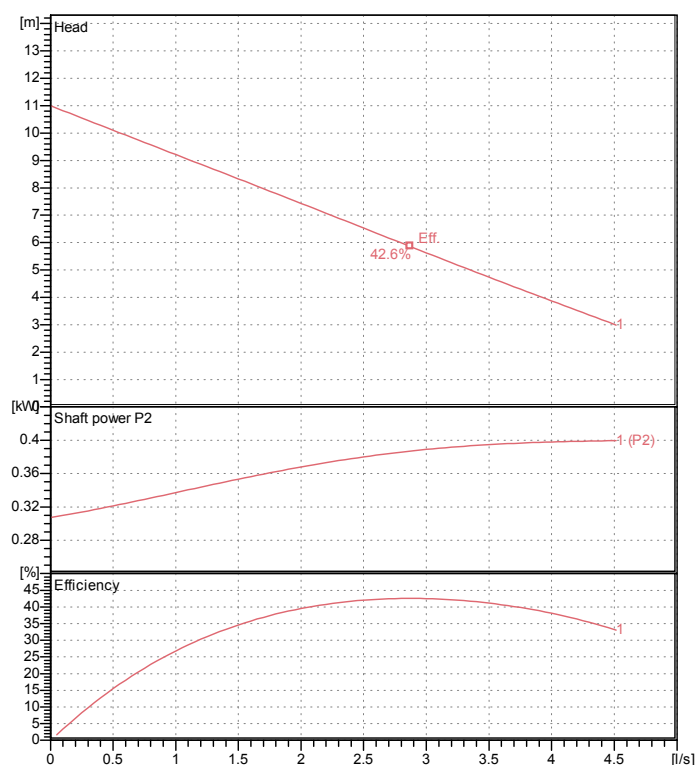


Data sheet 50U2.4S



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 Vortex impeller
Free passage 35 mm
Suitable for:
waste water and liquid carrying

Electric motor

Dry-type submersible induction motor
Insulation class E 2Poles 2820 1/min
Starting mode Directly
Rated voltage 230 V 50 Hz 1~
Power uptake 0.60 kW
Rated power 0.40 kW
Rated current 3.4 A
Start current 14.0 A

Cable

10m H07RN-F 3Cx1mm²

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 ceramic
Secondary seal
Ceramic on carbon

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller	FC200 (EN-GJL-200)
Pump casing	FC200 (EN-GJL-200)
Motor Frame	FC150 (EN-GJL-150)
Shaft	Stainless steel SUS403

Discharge size

2" (50mm) screwed-in mating flange

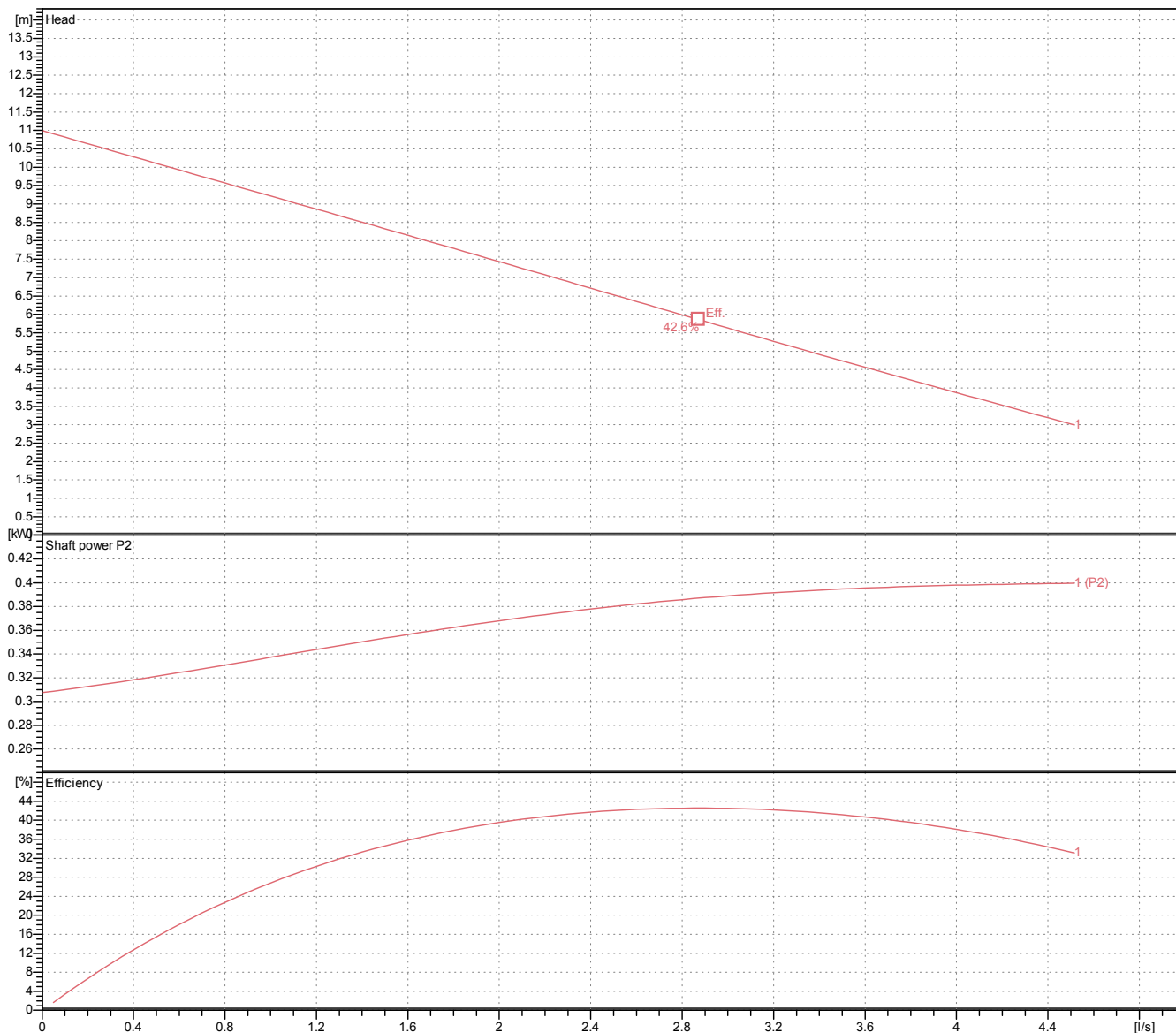
Weight

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

Performance curve

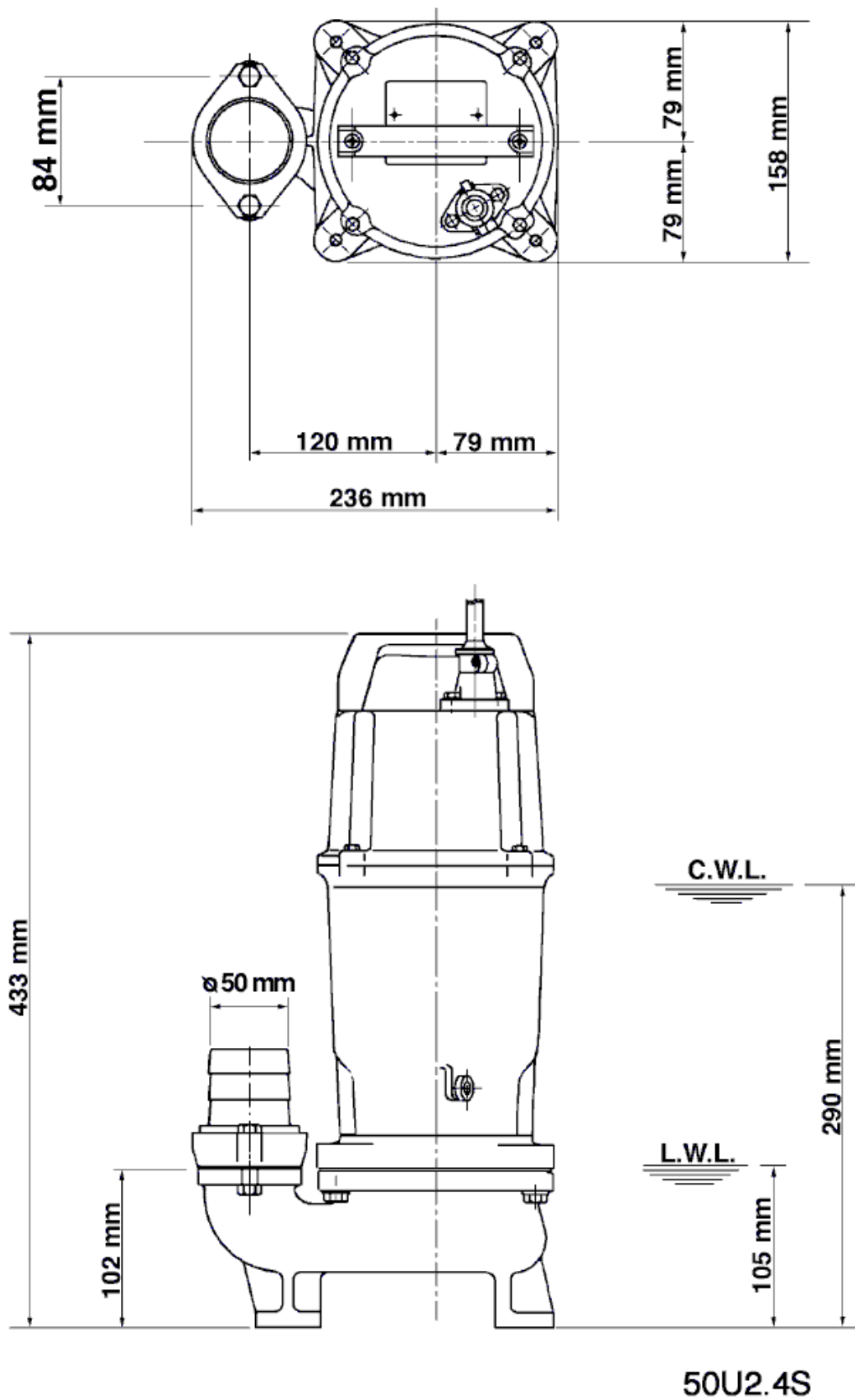
50U2.4S

Discharge port	2"
Head	11.0 m
Flow	4.5 l/s
Rated power	0.40 kW
Power input	0.60 kW
Phases	1~
Voltages	230 V
Frequency	50 Hz
Rated current	3.4 A
Starting current	14.01 A
Number of poles	2
Speed	2820 1/min
Starting mode	Directly
Insulation class	E



Dimensions

50U2.4S



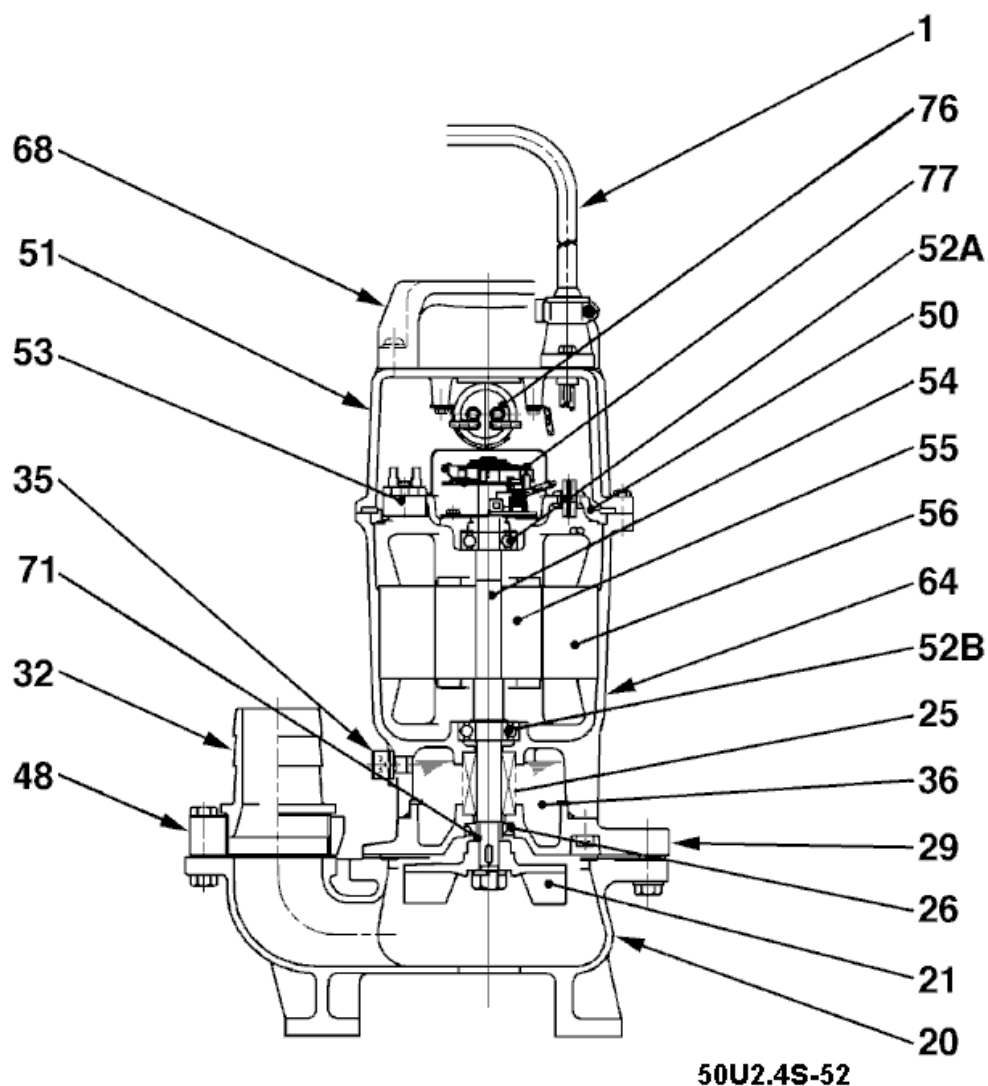
CWL: Continuous running water level
 LWL: Lowest running water level



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Sectional drawing 50U2.4S



50U2.4S-52

No.	Denomination	Remark	No.	Denomination	Remark
1	Cable	H07RN-F	55	Rotor	.
20	Pump casing	FC200 (EN-GJL-200)	56	Stator	.
21	Impeller	FC200 (EN-GJL-200)	64	Motor Frame	FC150 (EN-GJL-150)
25	Mechanical seal	W-14H	68	Handle	Synthetic resin
26	Oil seal	SC-15287	71	Shaft protection sleeve	Stainless steel SUS 1.4016
29	Oil casing	FC150 (EN-GJL-150)	76	Condenser	.
32	Coupling Set &	Synthetic resin	77	Centrifugal force switch	.
35	Oil screw	Stainless steel SUS304			
36	Lubricant	Turbine oil (ISO VG32)			
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	6202ZZC3			
53	Motor Protector	.			
54	Shaft	Stainless steel SUS403			