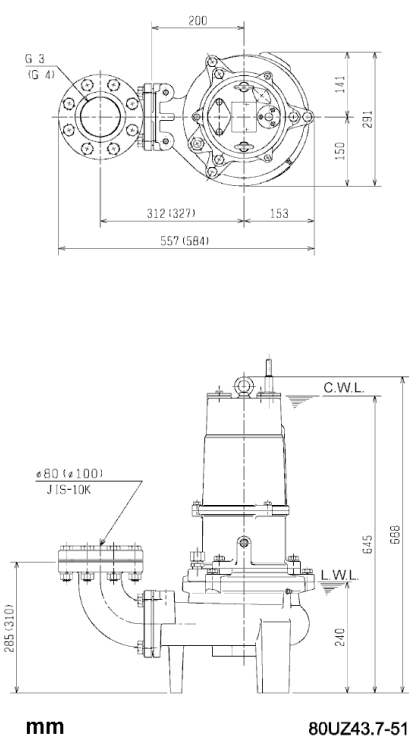
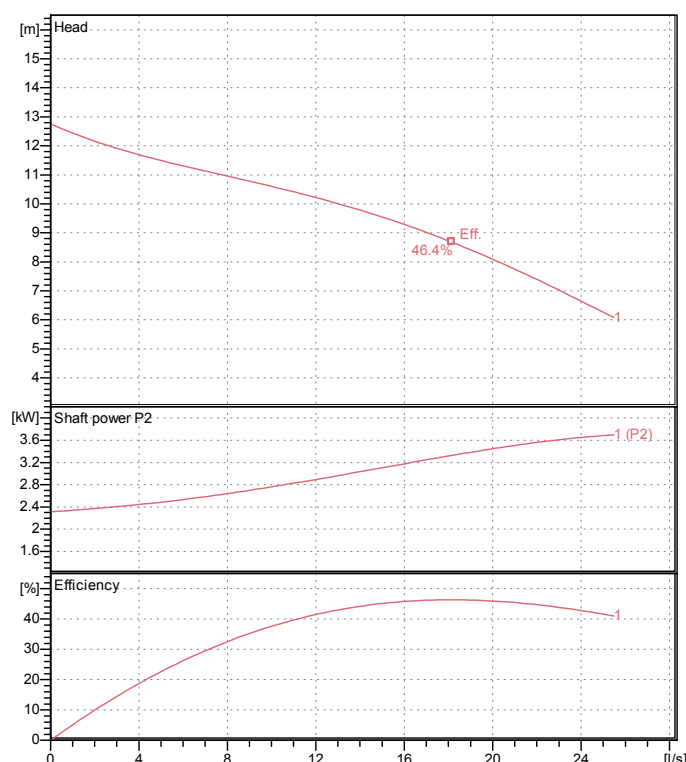


Data sheet 80UZ43.7-51



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



Specification

Electric submersible pump
Degree of protection IP 68
Depth of submersion max. 30 m
Type of impeller Vortex impeller
Free passage 80 mm
Suitable for:
waste water and liquid carrying

Electric motor

Dry-type submersible induction motor
Insulation class E 4Poles 1410 1/min
Starting mode Directly
Rated voltage 400 V 50 Hz 3~
Power uptake 4.59 kW
Rated power 3.70 kW
Rated current 7.9 A
Start current 49.0 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)
Motor Frame	FC150 (EN-GJL-150)
Shaft	Stainless steel SUS420J2

Discharge size

3" (80mm) special screwed-in mating flange
guide rail fitting optional

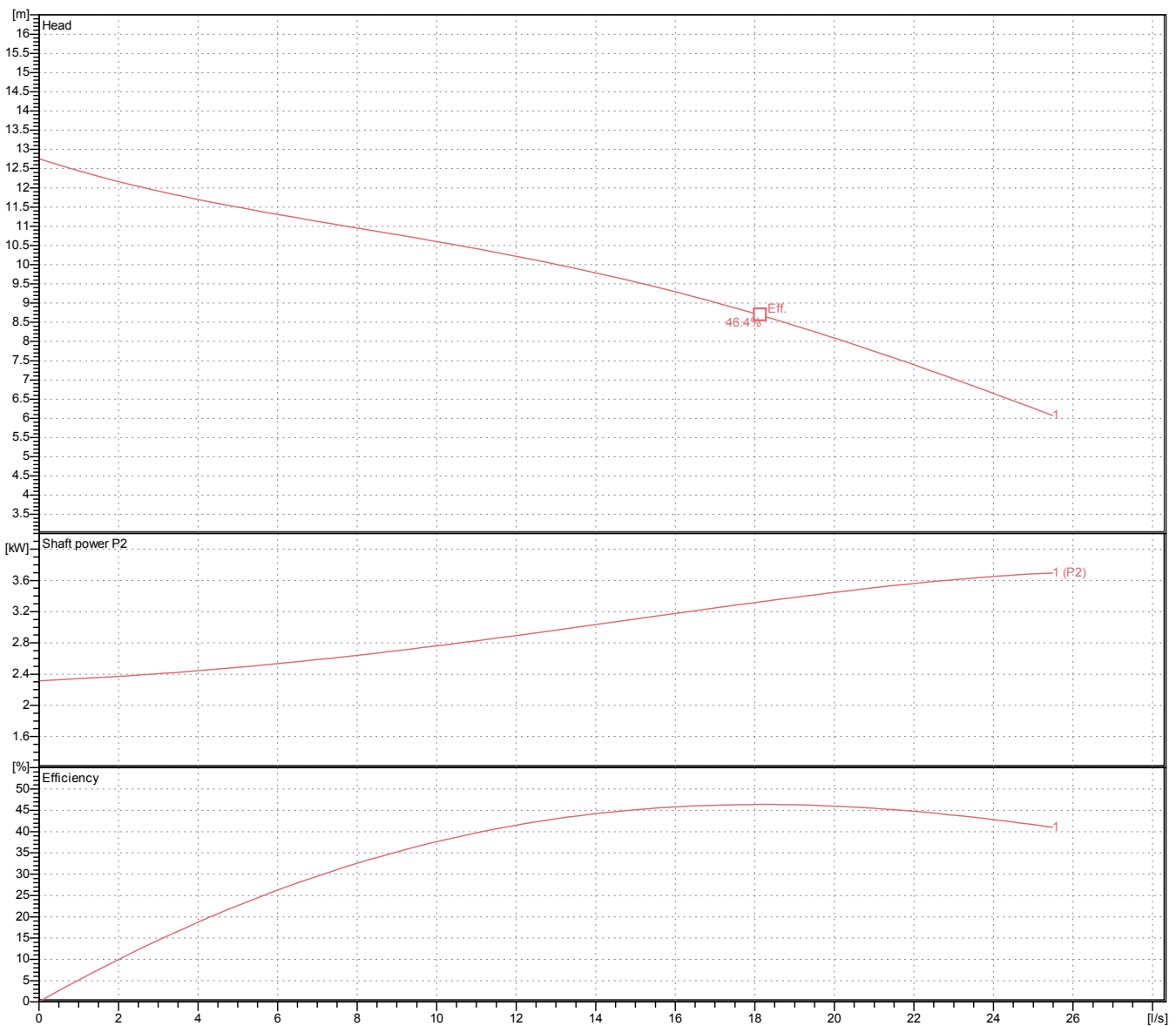
Weight

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

Performance curve

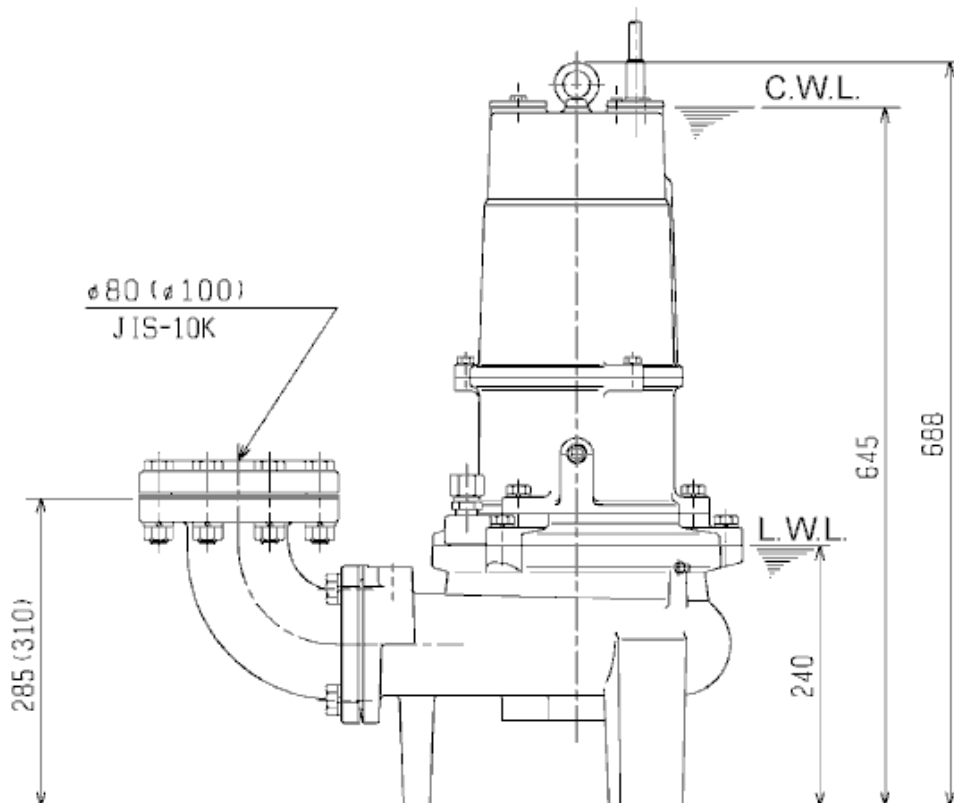
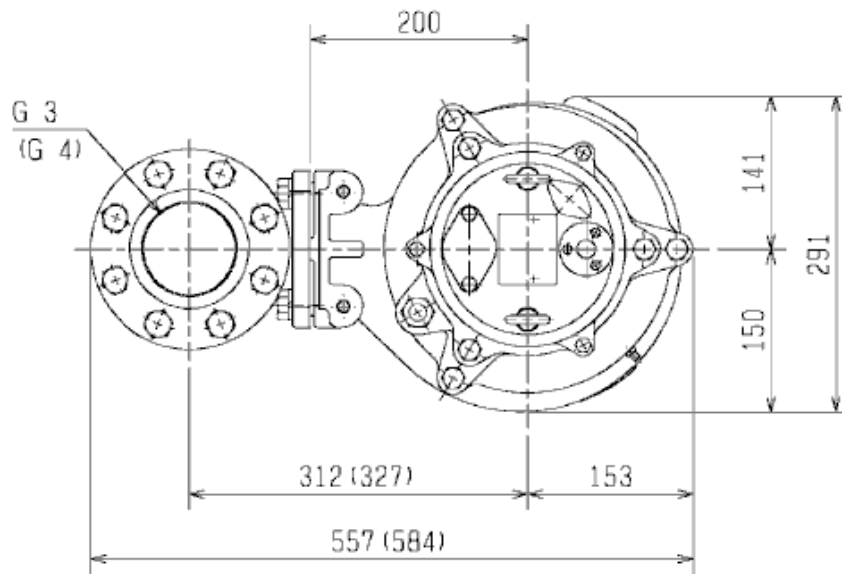
80UZ43.7-51

Discharge port	3"
Head	12.8 m
Flow	25.5 l/s
Rated power	3.70 kW
Power input	4.59 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	7.9 A
Starting current	48.98 A
Number of poles	4
Speed	1410 1/min
Starting mode	Directly
Insulation class	E



Dimensions

80UZ43.7-51



mm

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

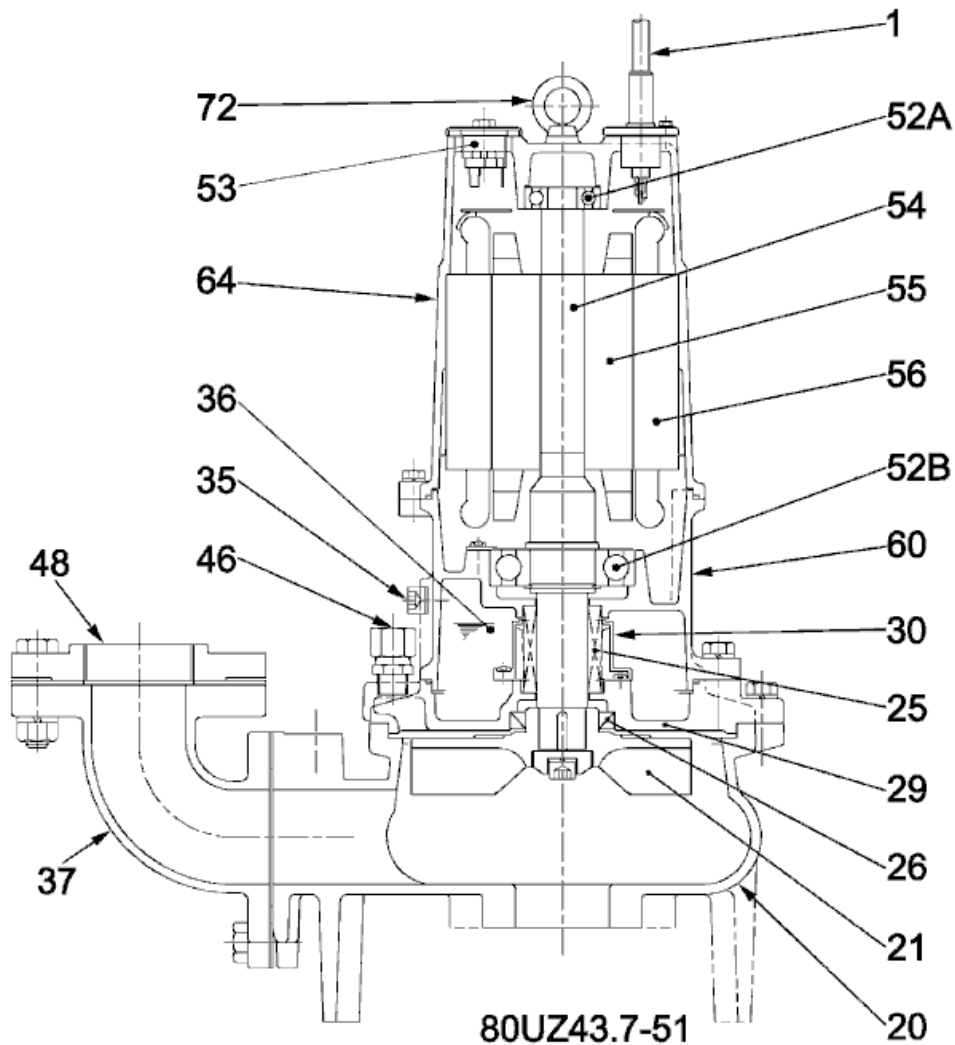
80UZ43.7-51



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Sectional drawing 80UZ43.7-51



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)	60	Bearing Housing	FC150 (EN-GJL-150)
25	Mechanical seal	H-35A	64	Motor Frame	FC150 (EN-GJL-150)
26	Oil seal	TC507212	72	Eye screw (2x)	Stainless steel SUS304
29	Oil casing	FC200 (EN-GJL-200)			
30	Oil distributor	Plastic			
35	Oil screw	Stainless steel SUS304			
36	Lubricant	Turbine oil (ISO VG32)			
37	Discharge bend	FC200 (EN-GJL-200)			
46	Air vent screw	Brass			
48	Screwed Flange	FC200 (EN-GJL-200)			
52A	Upper bearing	6304ZZC3			
52B	Lower bearing	6309ZZC3			
53	Motor Protector	.			
54	Shaft	Stainless steel SUS420J2			