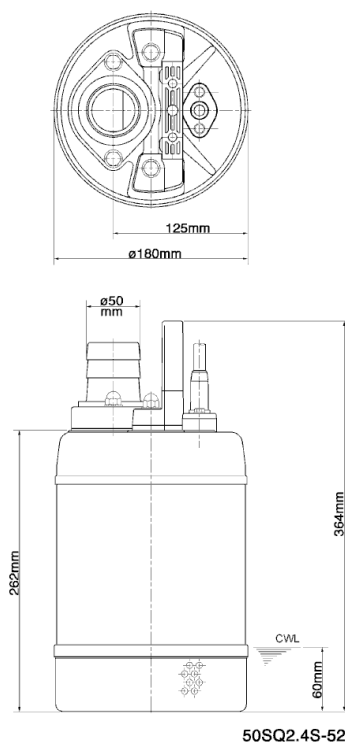
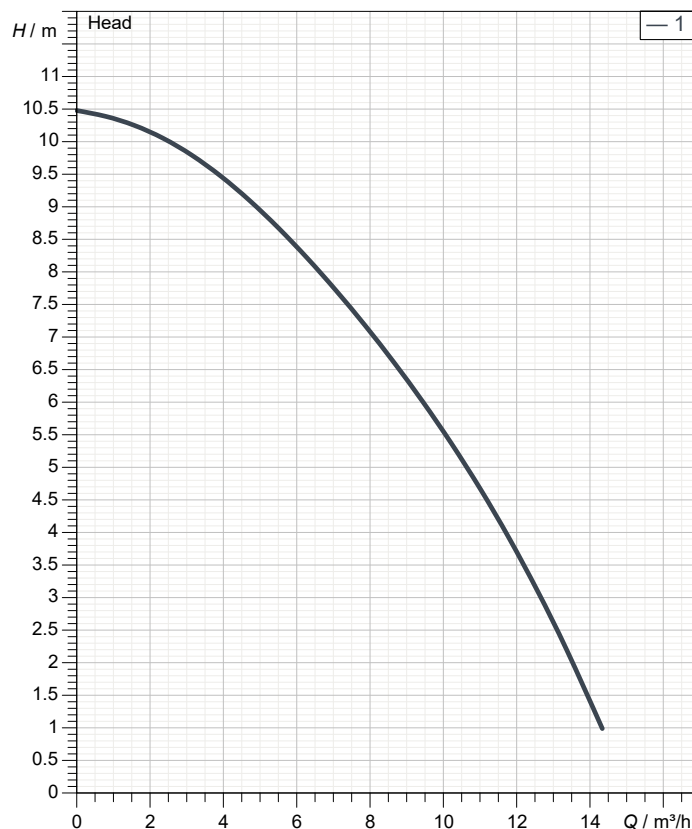


Data sheet 50SQ2-2.4S-51



CWL: Continuous running water level



Specification

Electric submersible pump SQ-series
Degree of protection IP 68
Pressure resistance max. 10 m
Type of impeller Semi-open
Max. solid handling 6 mm
Suitable for:
corrosive liquids and food

Electric motor

Dry-type submersible induction motor
Insulation class E 2 Poles 2807 1/min
Starting mode
Rated voltage 230 V 50 Hz 1~
Power uptake 0.69 kW
Rated power 0.40 kW
Rated current 3 A
Start current 9.4 A

Cable

10m H07RN8-F 3Cx1mm²

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 ceramic
Secondary seal
Ceramic on carbon

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller	Polyphenylene oxide
Lower Pump casing	SCS13 (DIN GX5CrNi19-10)
Strainer	SUS304 (EN-X5CrNi18-10)
Motor Frame	SUS304 (EN-X5CrNi18-10)
Shaft	SUS304 (EN-X5CrNi18-10)

Discharge size

50mm hose coupling

Weight

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

Performance curve

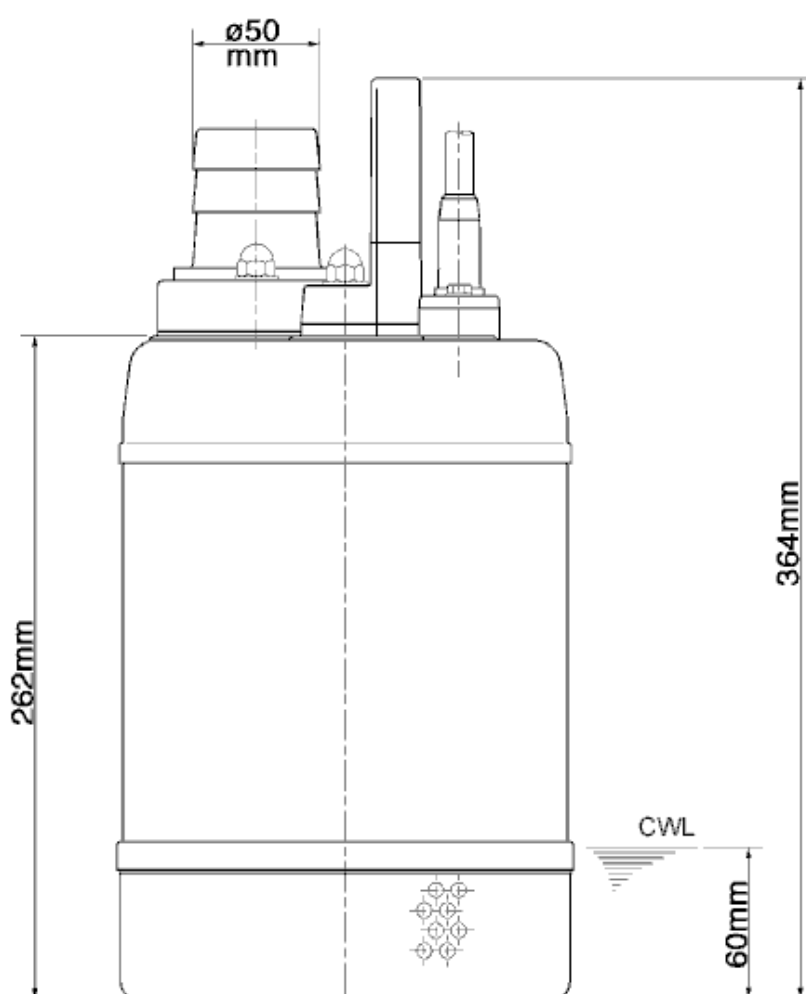
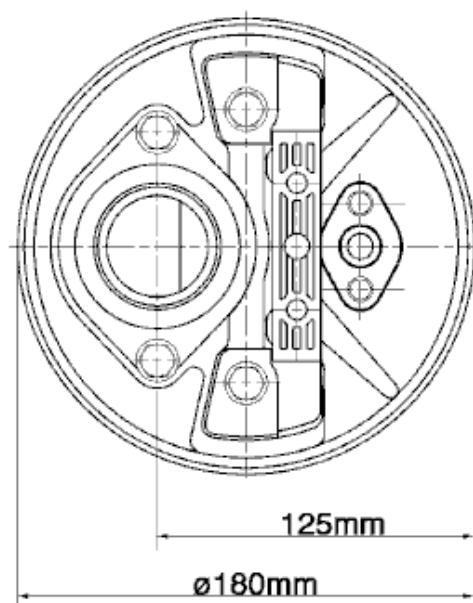
50SQ2-2.4S-51

Discharge port	2"
Head	10.5 m
Flow	14.3 m³/h
Rated power	0.40 kW
Power input	0.69 kW
Phases	1~
Voltages	230 V
Frequency	50 Hz
Rated current	3 A
Starting current	9.42 A
Number of poles	2
Speed	2807 1/min
Starting mode	
Insulation class	E



Dimensions

50SQ2-2.4S-51



50SQ2.4S-52

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



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2024-12-13

V.01.02.2023

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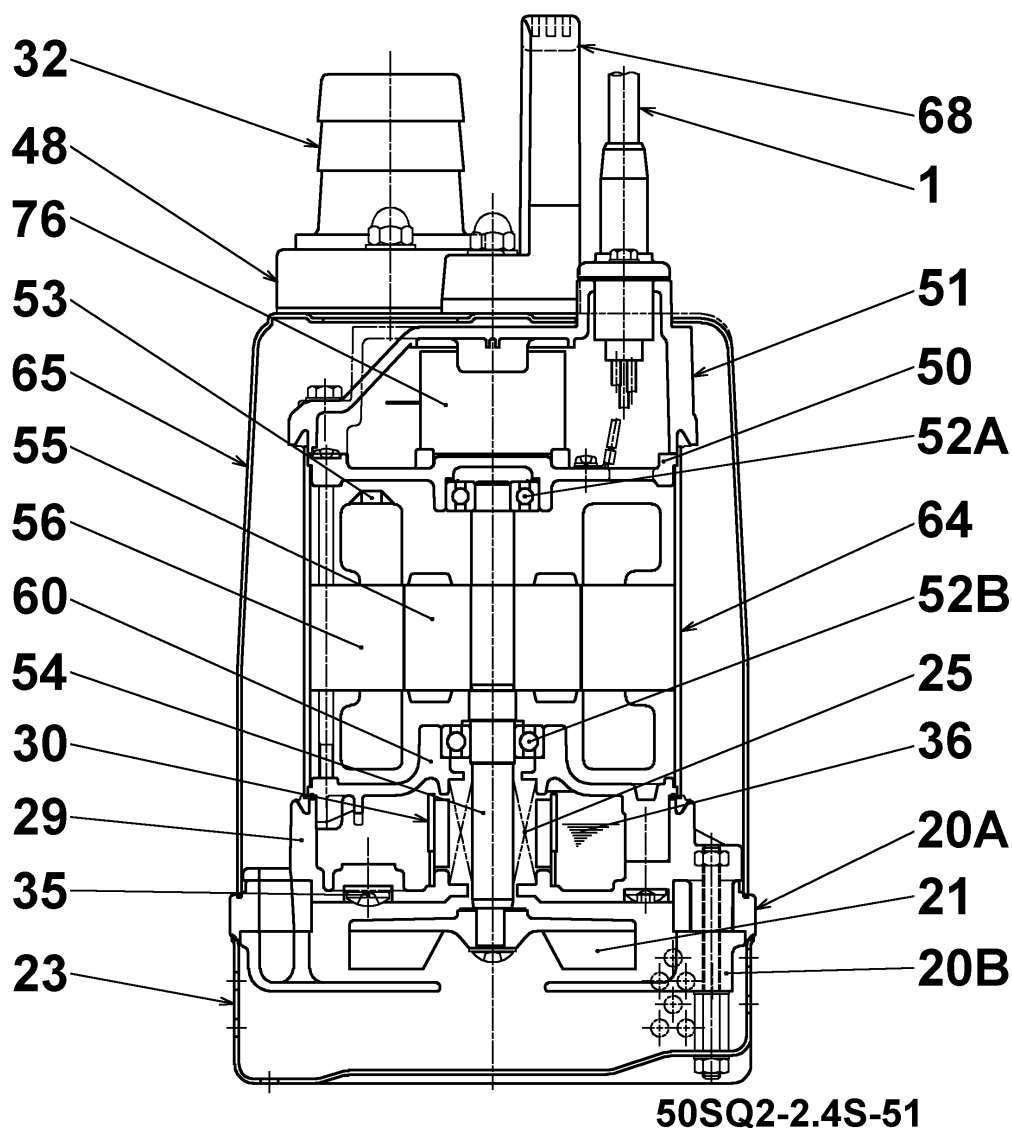
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Sectional drawing

50SQ2-2.4S-51



No.	Description	Remark	No.	Description	Remark
1	Cable	H07RN8-F	53	Motor Protector 380/400/415V-50Hz.KA314-HRXL00 (H.C)	
20A	Upper Pump casing	Nitrile Rubber	54	Shaft	SUS304 (EN-X5CrNi18-10)
20B	Lower Pump casing	SCS13 (DIN GX5CrNi19-10)	55	Rotor	.
21	Impeller	Polyphenylene oxide	56	Stator	.
23	Strainer	SUS304 (EN-X5CrNi18-10)	60	Bearing Housing	Aluminium die casting
25	Mechanical seal	W-14HL	64	Motor Frame	SUS304 (EN-X5CrNi18-10)
29	Oil casing	Polyphenylene sulfide	65	Outer Cover	SUS316 (EN-X5CrNiMo17-12-2)
30	Oil distributor	Plastic	68	Handle	Plastic
32	Hose coupling	Plastic	76	Condenser	.
35	Oil screw	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Paraffin oil (ISO VG15)			
48	Screwed Flange	Plastic + glass fibers			
50	Motor cover	Aluminium die casting			
51	Main cover	Polyphenylene sulfide			
52A	Upper bearing	6201ZZC3			
52B	Lower bearing	6202ZZC3			