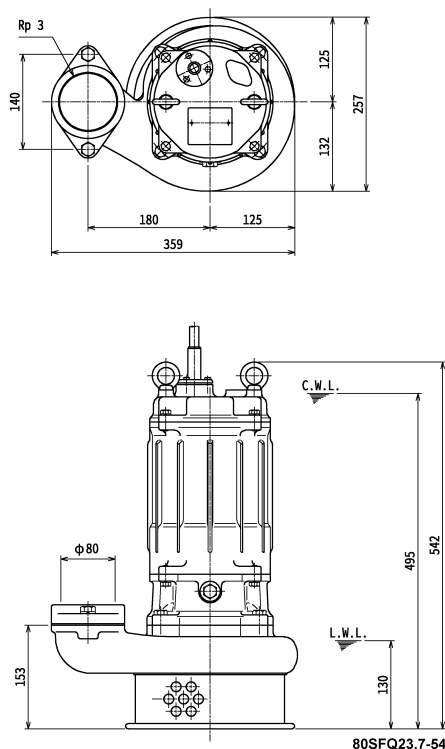
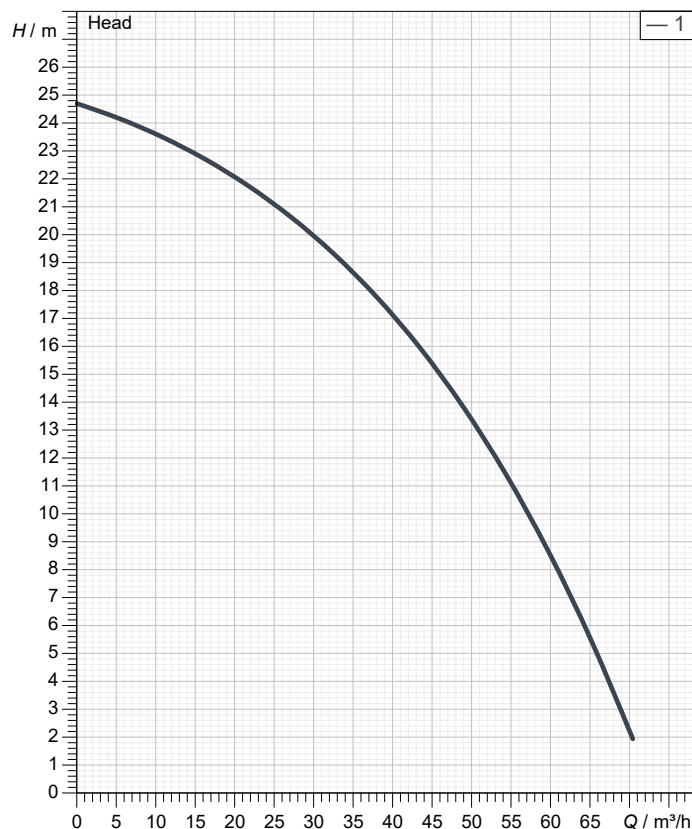


Data sheet 80SFQ23.7-54



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



Specification

Electric submersible pump SFQ-series
Degree of protection IP 68
Pressure resistance max. 15 m
Type of impeller Semi-open
Max. solid handling 15 mm
Suitable for:
corrosive liquids

Electric motor

Dry-type submersible induction motor
Insulation class F 2 Poles 2877 1/min
Starting mode Direct starting
Rated voltage 400 V 50 Hz 3~
Power uptake 4.16 kW
Rated power 3.70 kW
Rated current 6.8 A
Start current 53.0 A

Cable

10m NSSHÖU 4Cx1,5mm²

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 silicon carbide

Secondary seal

Silicon carbide on silicon carbide

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller	SUS316 (EN-X5CrNiMo17-12-2)
Pump casing	SUS316 (EN-X5CrNiMo17-12-2)
Suction cover	SUS316 (EN-X5CrNiMo17-12-2)
Motor Frame	SUS316 (EN-X5CrNiMo17-12-2)
Shaft	SUS316 (EN-X5CrNiMo17-12-2)

Discharge size

80mm JIS10K flange

Weight

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

Performance curve

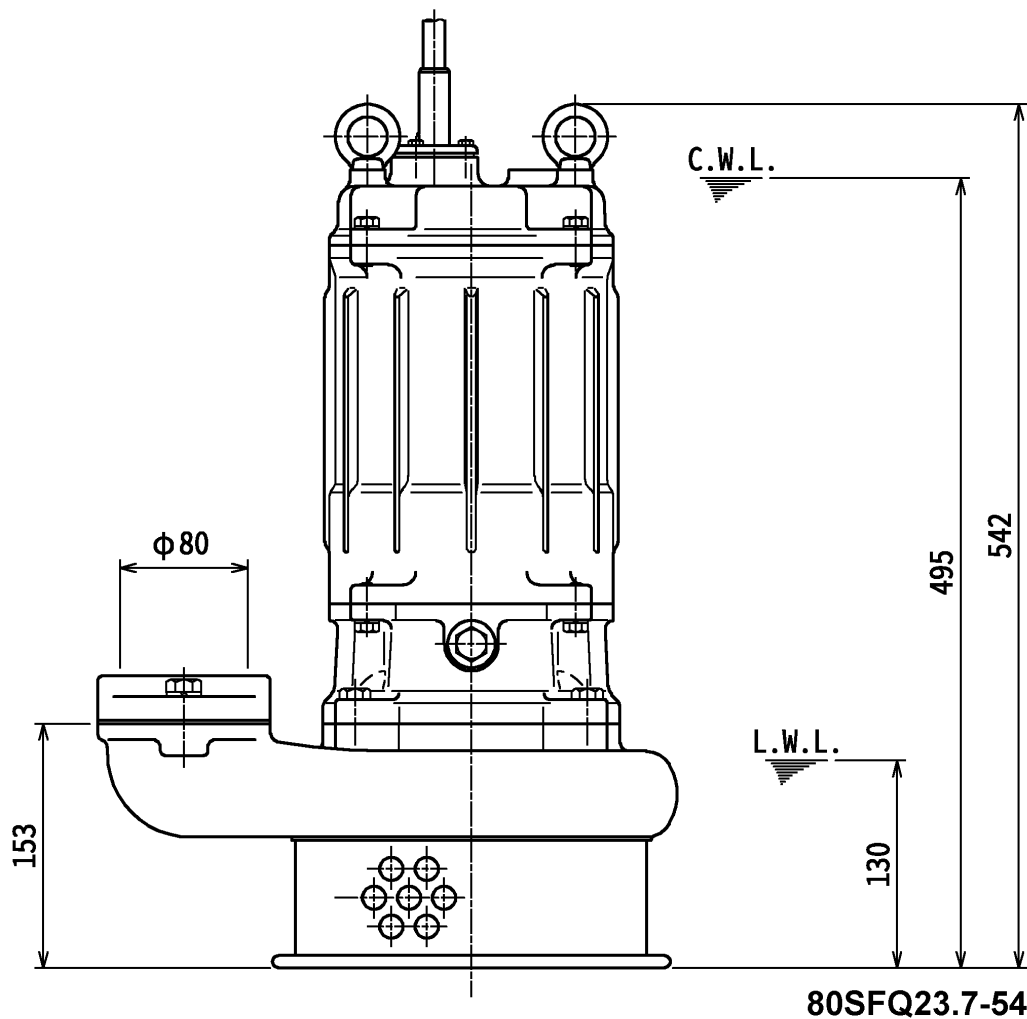
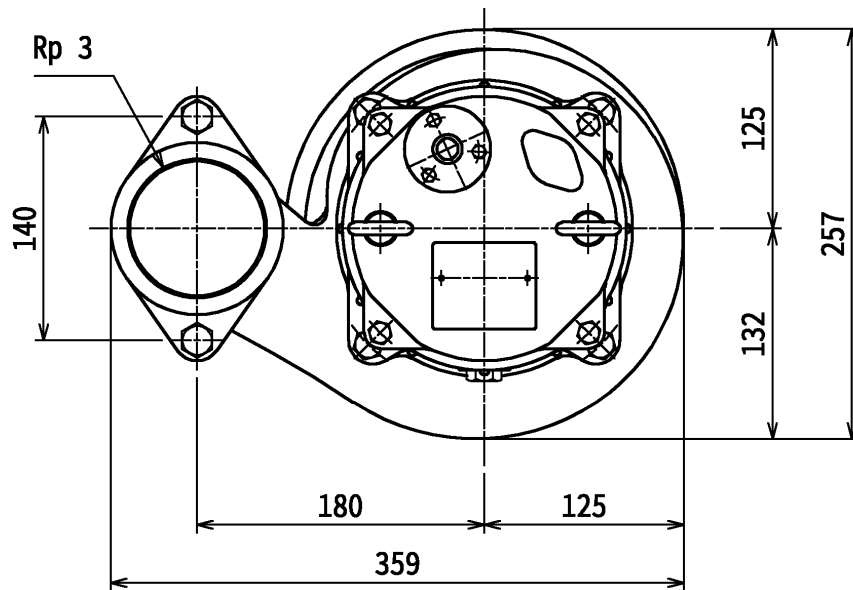
80SFQ23.7-54

Discharge port	3"
Head	24.7 m
Flow	70.4 m³/h
Rated power	3.70 kW
Power input	4.16 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	6.8 A
Starting current	53.00 A
Number of poles	2
Speed	2877 1/min
Starting mode	Direct starting
Insulation class	F



Dimensions

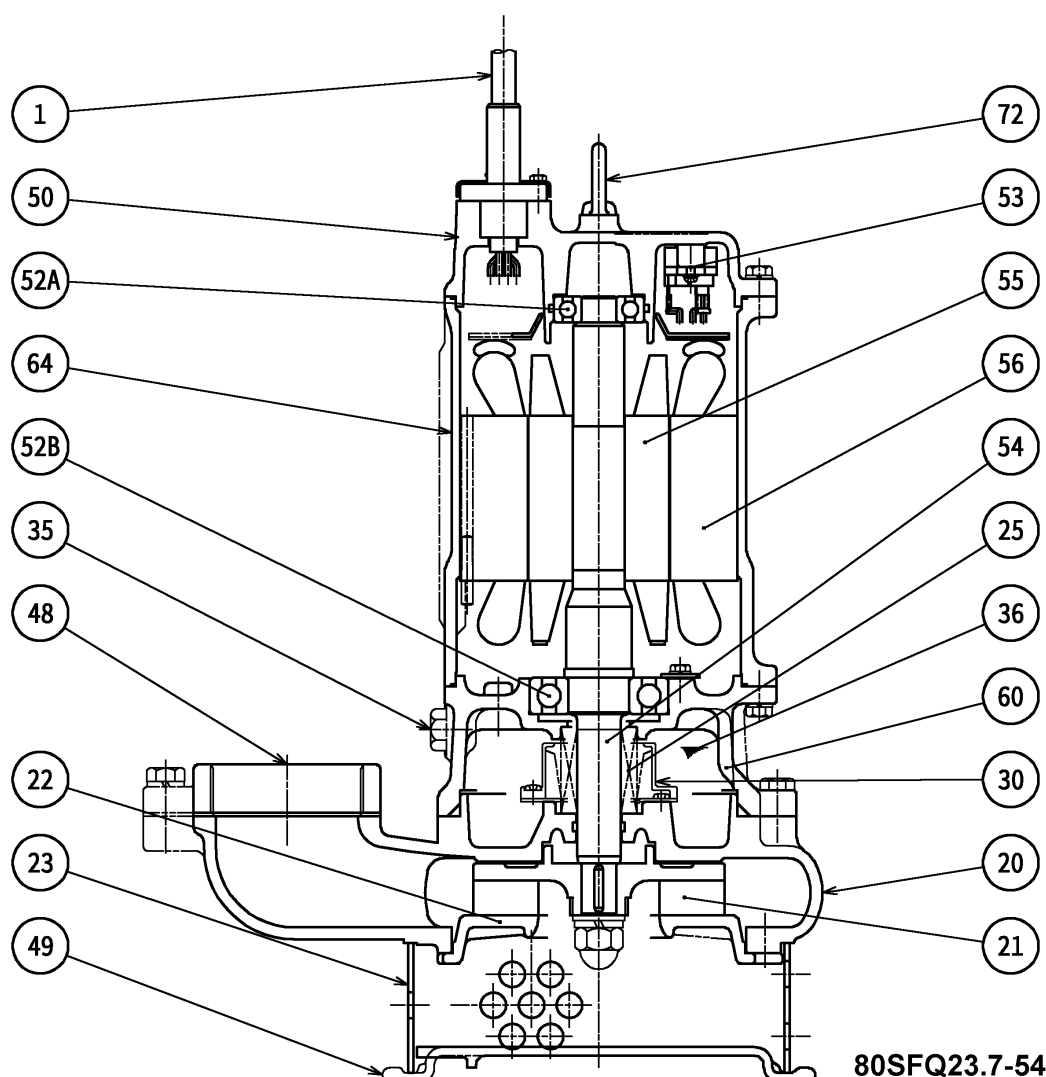
80SFQ23.7-54



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

Sectional drawing

80SFQ23.7-54



No.	Description	Remark	No.	Description	Remark
1	Cable	NSSHÖU-J	56	Stator	.
20	Pump casing	SUS316 (EN-X5CrNiMo17-12-2)	60	Bearing Housing	SUS316 (EN-X5CrNiMo17-12-2)
21	Impeller	SUS316 (EN-X5CrNiMo17-12-2)	64	Motor Frame	SUS316 (EN-X5CrNiMo17-12-2)
22	Suction cover	SUS316 (EN-X5CrNiMo17-12-2)	72	Eye screw	SUS316 (EN-X5CrNiMo17-12-2)
23	Strainer	SUS316 (EN-X5CrNiMo17-12-2)			
25	Mechanical seal	X-25W			
35	Oil screw	SUS316 (EN-X5CrNiMo17-12-2)			
36	Lubricant	Turbine oil (ISO VG32)			
48	Screwed Flange	SUS316 (EN-X5CrNiMo17-12-2)			
49	Bottom Plate	SUS316 (EN-X5CrNiMo17-12-2)			
50	Motor cover	SUS316 (EN-X5CrNiMo17-12-2)			
52A	Upper bearing	6304ZZC3			
52B	Lower bearing	6307ZZC3			
53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)			
54	Shaft	SUS316 (EN-X5CrNiMo17-12-2)			
55	Rotor	.			