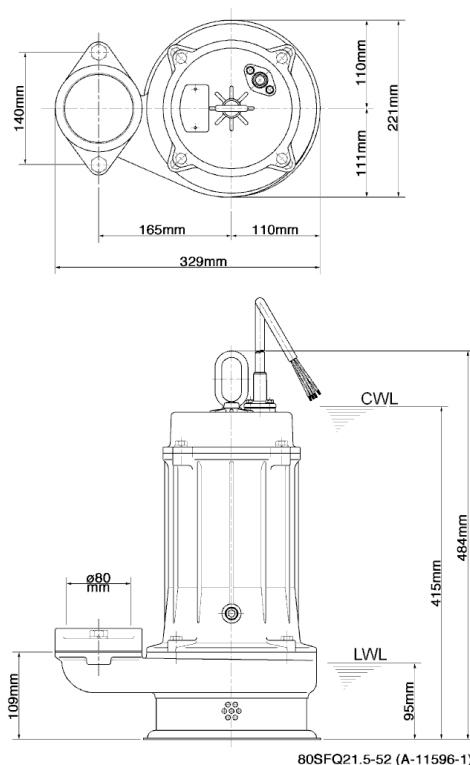


Data sheet 80SFQ21.5-52



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 6 mm
Suitable for:
corrosive liquids

Electric motor

Dry-type submersible induction motor
Insulation class F 2 Poles 2910 1/min
Starting mode Direct starting
Rated voltage 400 V 50 Hz 3~
Power uptake 2,07 kW
Rated power 1,50 kW
Rated current 3,8 A
Start current 35,0 A

Cable

10m NSSHÖU-J 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	SCS14 (SUS GX5CrNiMo19-11-2)
Pump casing	SCS14 (SUS GX5CrNiMo19-11-2)
Suction cover	SCS14 (SUS GX5CrNiMo19-11-2)
Motor Frame	SCS14 (SUS GX5CrNiMo19-11-2)
Shaft	SUS316 (EN-X5CrNiMo17-12-2)

Discharge size

80mm JIS10K flange

Weight

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

Performance curve

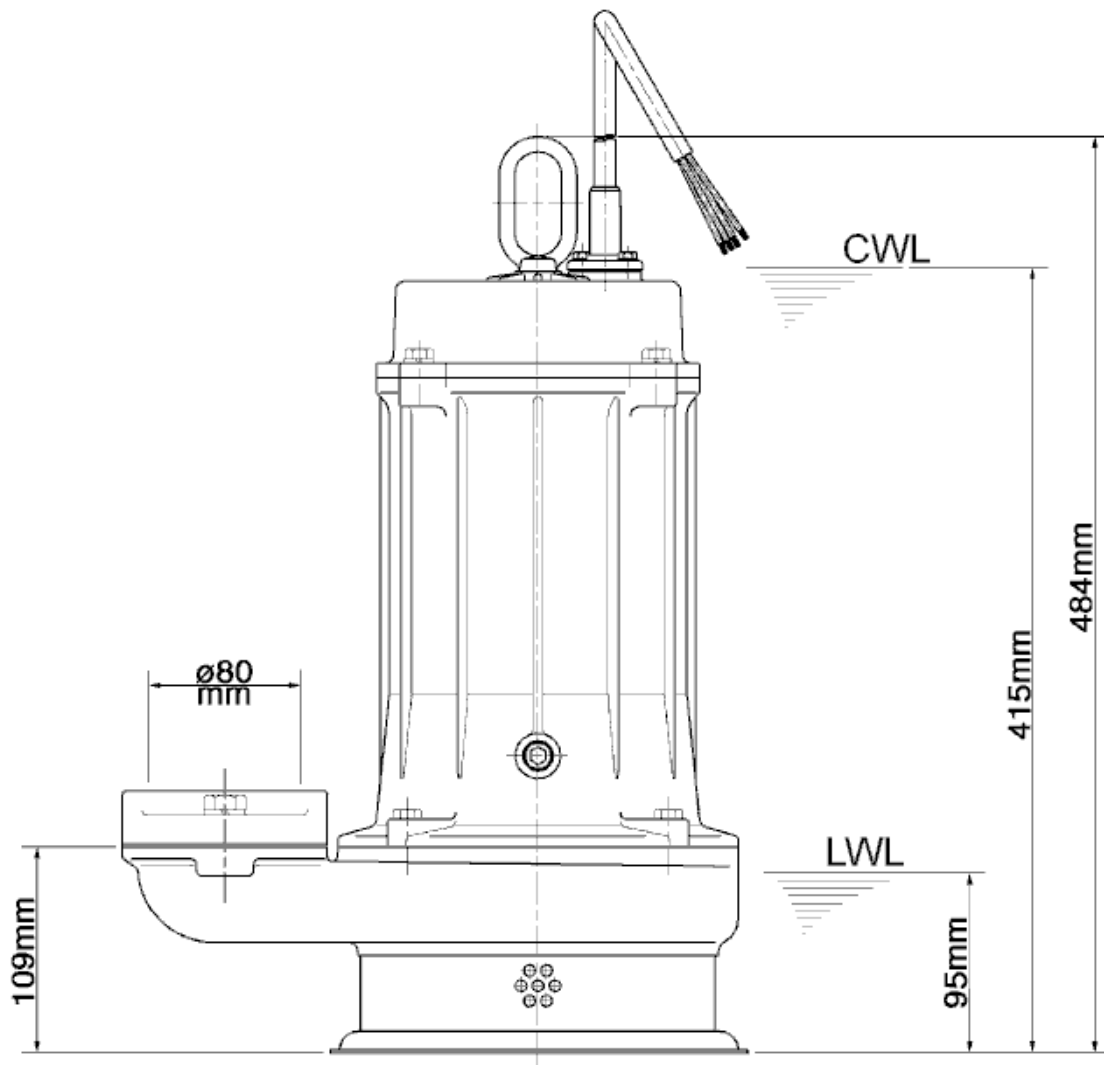
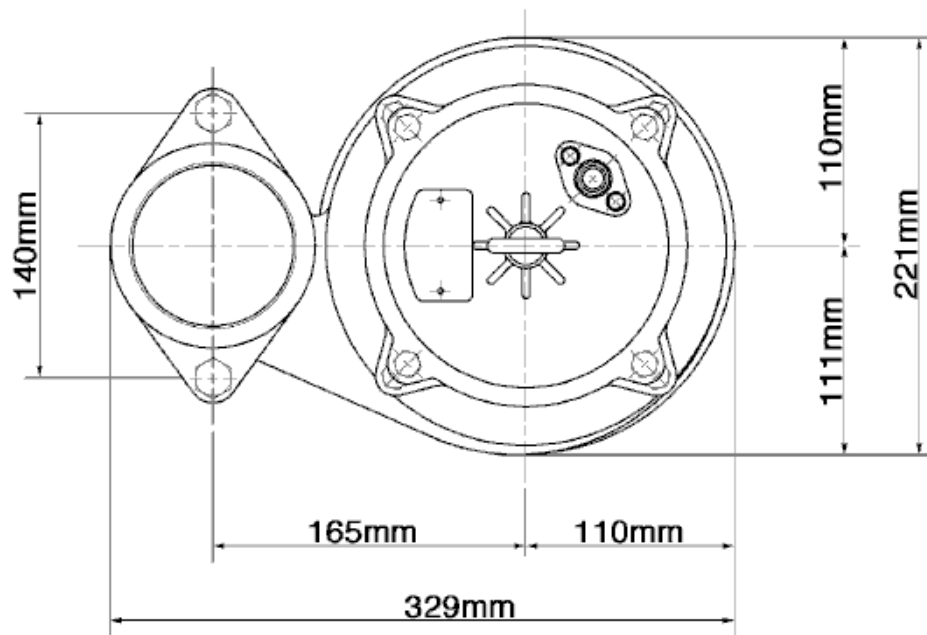
80SFQ21.5-52

Discharge port	3"
Head	21,0 m
Flow	38,5 m³/h
Rated power	1,50 kW
Power input	2,07 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	3,8 A
Starting current	35,00 A
Number of poles	2
Speed	2910 1/min
Starting mode	Direct starting
Insulation class	F



Dimensions

80SFQ21.5-52

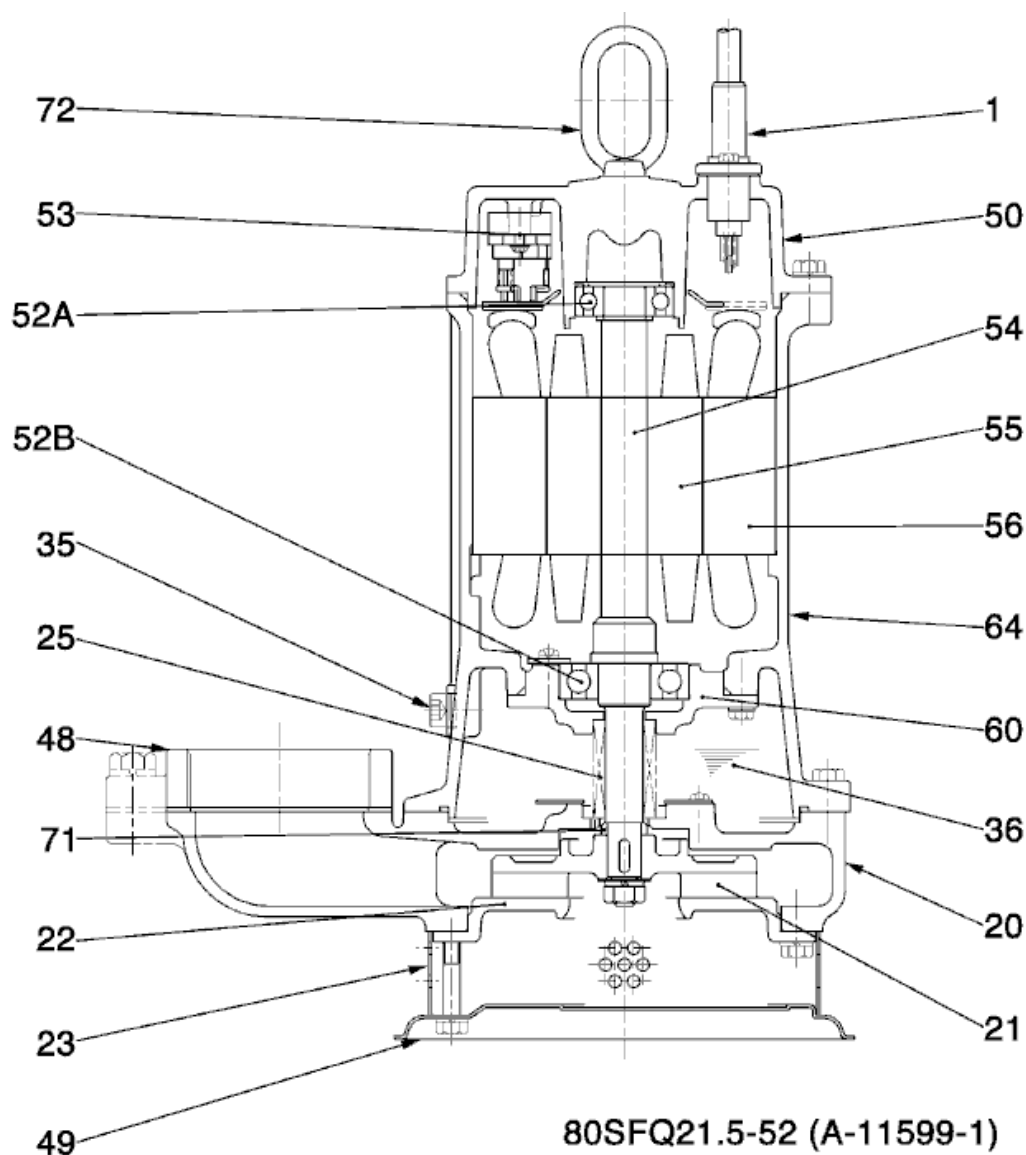


80SFQ21.5-52 (A-11596-1)

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

Sectional drawing

80SFQ21.5-52



No.	Description	Remark	No.	Description	Remark
1	Cable	NSSHÖU-J	55	Rotor	.
20	Pump casing	SCS14 (SUS GX5CrNiMo19-11-2)	56	Stator	.
21	Impeller	SCS14 (SUS GX5CrNiMo19-11-2)	60	Bearing Housing	FC150 (EN-GJL-150)
22	Suction cover	SCS14 (SUS GX5CrNiMo19-11-2)	64	Motor Frame	SCS14 (SUS GX5CrNiMo19-11-2)
23	Strainer	SUS316 (EN-X5CrNiMo17-12-2)	68	Handle	SUS316 (EN-X5CrNiMo17-12-2)
25	Mechanical seal	X-18W	71	Shaft protection sleeve	SUS316 (EN-X5CrNiMo17-12-2)
32	Hose coupling	SCS14 (SUS GX5CrNiMo19-11-2)	72	Eye screw	SUS316 (EN-X5CrNiMo17-12-2)
35	Oil screw	SUS316 (EN-X5CrNiMo17-12-2)			
36	Lubricant	Turbine oil (ISO VG32)			
48	Screwed Flange	SCS14 (SUS GX5CrNiMo19-11-2)			
49	Bottom Plate	SUS316 (EN-X5CrNiMo17-12-2)			
50	Motor cover	SCS14 (SUS GX5CrNiMo19-11-2)			
52A	Upper bearing	6204ZZC3			
52B	Lower bearing	6305ZZC3			
53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)			
54	Shaft	SUS316 (EN-X5CrNiMo17-12-2)			