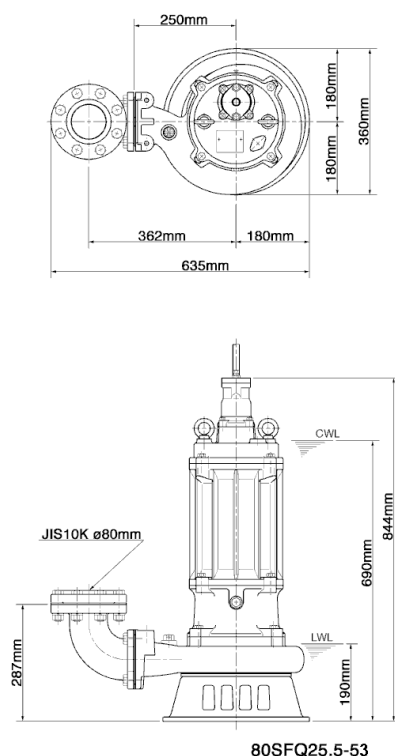
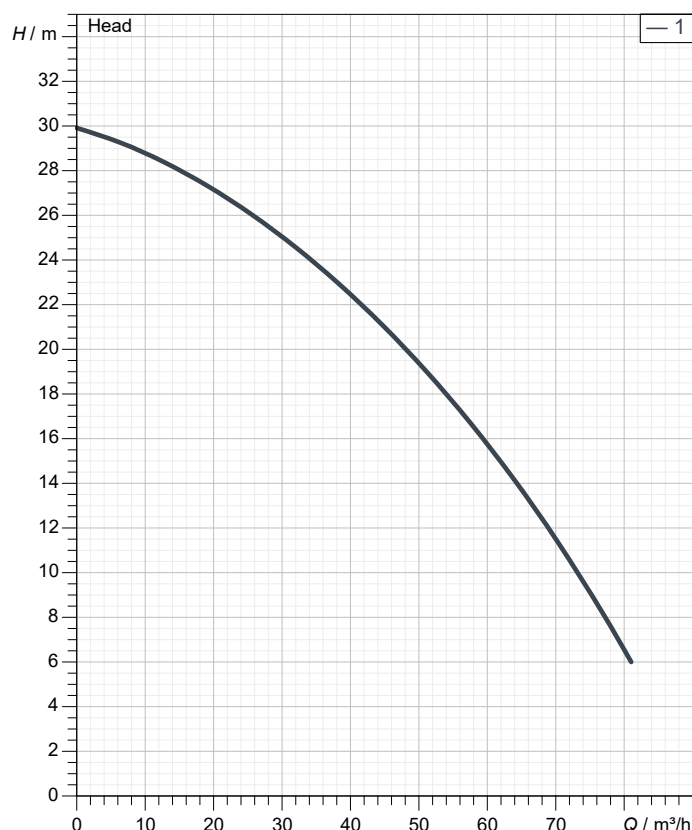


Data sheet 80SFQ25.5-53



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 30 mm
Suitable for:
corrosive liquids

Electric motor

Dry-type submersible induction motor
Insulation class F 2 Poles 2945 1/min
Starting mode Direct starting
Rated voltage 400 V 50 Hz 3~
Power uptake 6.78 kW
Rated power 5.50 kW
Rated current 11.3 A
Start current 85.0 A

Cable

10m NSSHÖU 4Cx2,5mm²

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

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

Performance curve

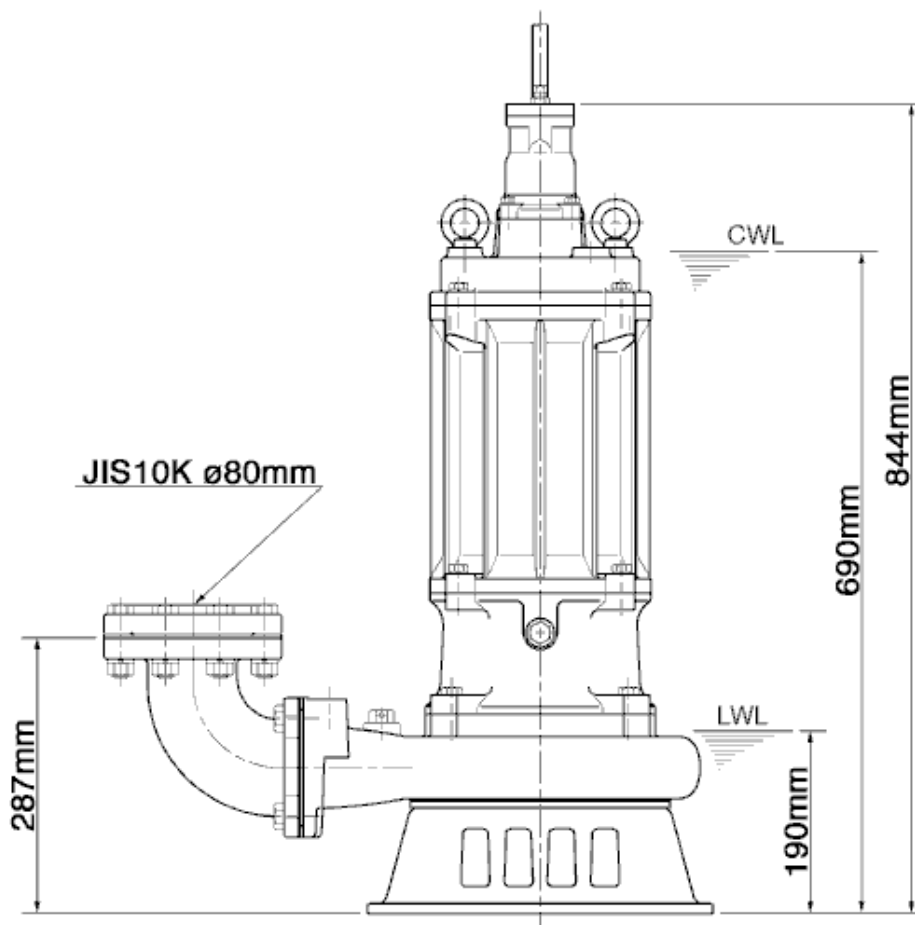
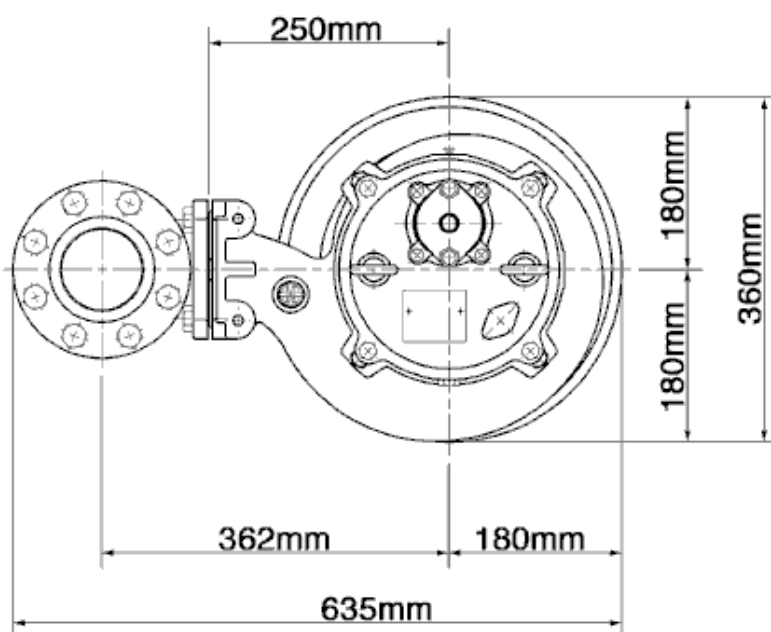
80SFQ25.5-53

Discharge port	3"
Head	29.9 m
Flow	81.0 m³/h
Rated power	5.50 kW
Power input	6.78 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	11.3 A
Starting current	84.98 A
Number of poles	2
Speed	2945 1/min
Starting mode	Direct starting
Insulation class	F



Dimensions

80SFQ25.5-53



80SFQ25.5-53

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

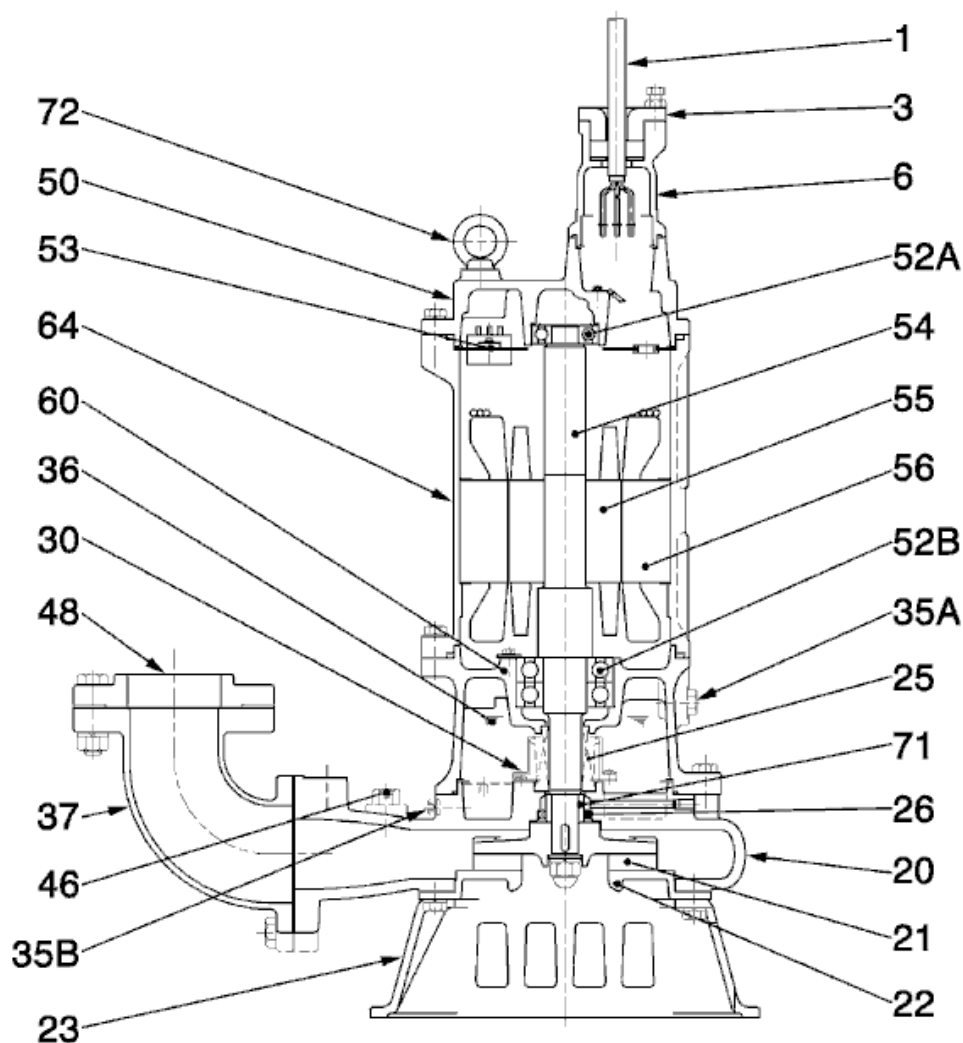
TSURUMI PUMP

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2025-03-03 V.01.02.2025

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Sectional drawing

80SFQ25.5-53



80SFQ25.5-53

No.	Description	Remark	No.	Description	Remark
1	Cable	NSSHÖU-J	50	Motor cover	SCS14 (SUS GX5CrNiMo19-11-2)
3	Gland	SCS14 (SUS GX5CrNiMo19-11-2)	52A	Upper bearing	6305ZZC3
6	Stuffing box	SCS14 (SUS GX5CrNiMo19-11-2)	52B	Lower bearing	6308ZZD2C3
20	Pump casing	SCS14 (SUS GX5CrNiMo19-11-2)	53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)
21	Impeller	SCS14 (SUS GX5CrNiMo19-11-2)	54	Shaft	SUS316 (EN-X5CrNiMo17-12-2)
22	Suction cover	SCS14 (SUS GX5CrNiMo19-11-2)	55	Rotor	.
23	Strainer	SCS14 (SUS GX5CrNiMo19-11-2)	56	Stator	.
25	Mechanical seal	X-30W	60	Bearing Housing	SCS14 (SUS GX5CrNiMo19-11-2)
26	Oil seal	TC35508	64	Motor Frame	SCS14 (SUS GX5CrNiMo19-11-2)
30	Oil distributor	Plastic	71	Shaft protection sleeve	SUS316 (EN-X5CrNiMo17-12-2)
35A	Oil screw	SUS316 (EN-X5CrNiMo17-12-2)	72	Eye screw (2x)	SUS316 (EN-X5CrNiMo17-12-2)
35B	Oil screw	SUS316 (EN-X5CrNiMo17-12-2)			
36	Lubricant	Turbine oil (ISO VG32)			
37	Discharge bend	SCS14 (SUS GX5CrNiMo19-11-2)			
46	Air vent valve	SUS316 (EN-X5CrNiMo17-12-2)			
48	Screwed Flange	SCS14 (SUS GX5CrNiMo19-11-2)			