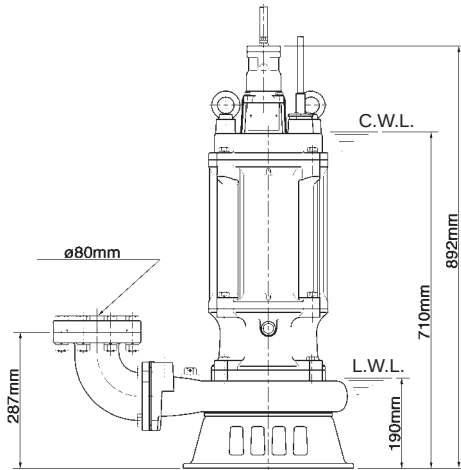
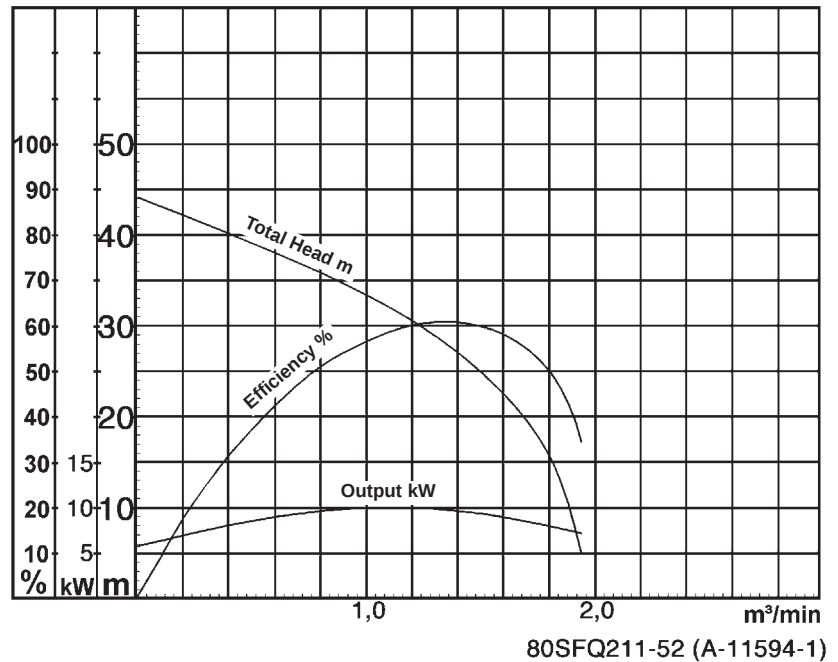




L.W.L. = Lowest running water level
C.W.L. = Continuous running water level



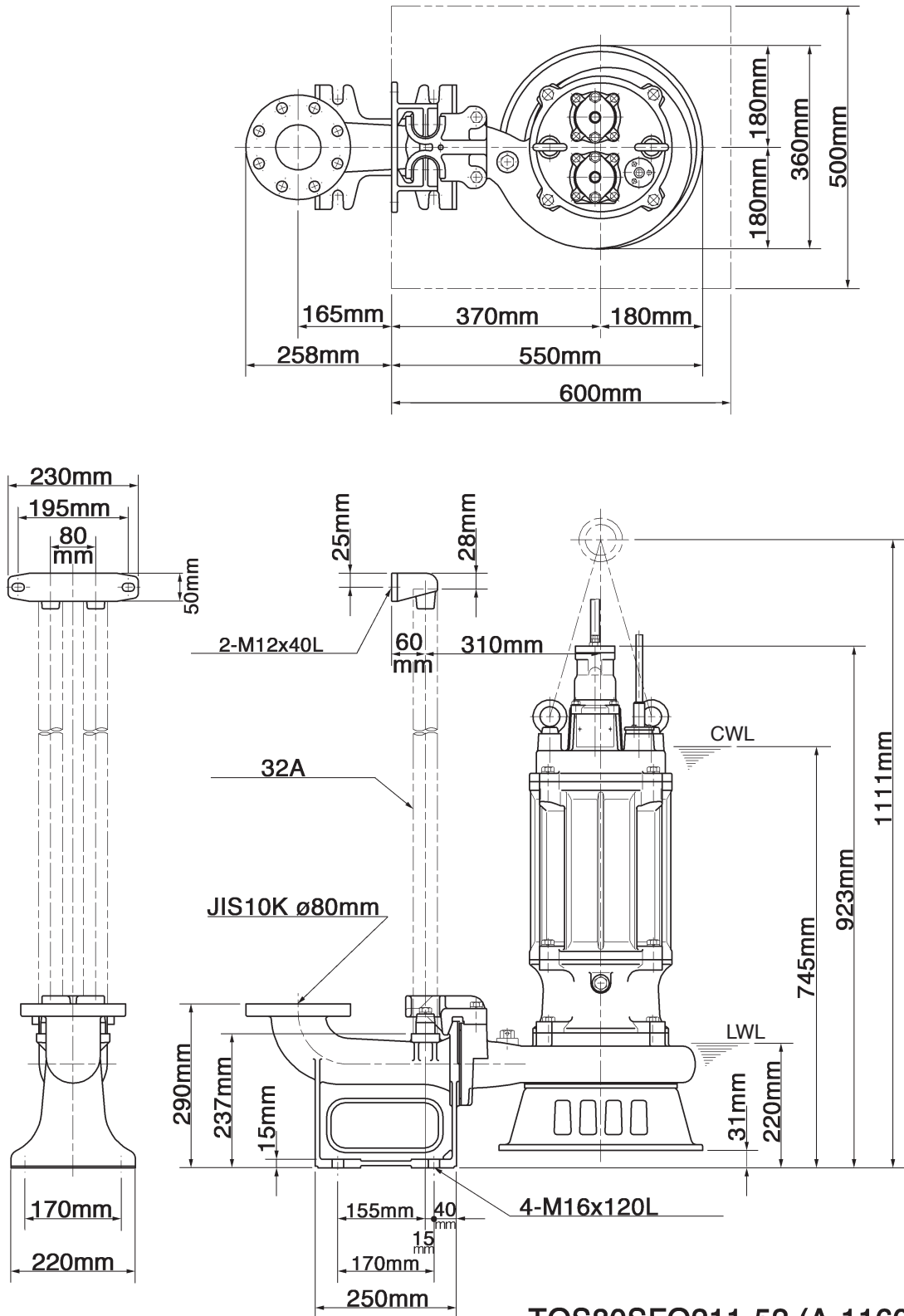
Electric submersible pump
Protection class IP68
Depth of submersion max. 30m
Semi-open impeller
Solid handling max. 30mm
Suitable for corrosive liquids

Dry-type submersible induction motor,
Insulation class F, 2 poles, 2935 r.p.m.
Star / delta start

Miniature protector in windings (snap-action bi-metal device)

Dimensional Drawing

TOS80SFQ211-52

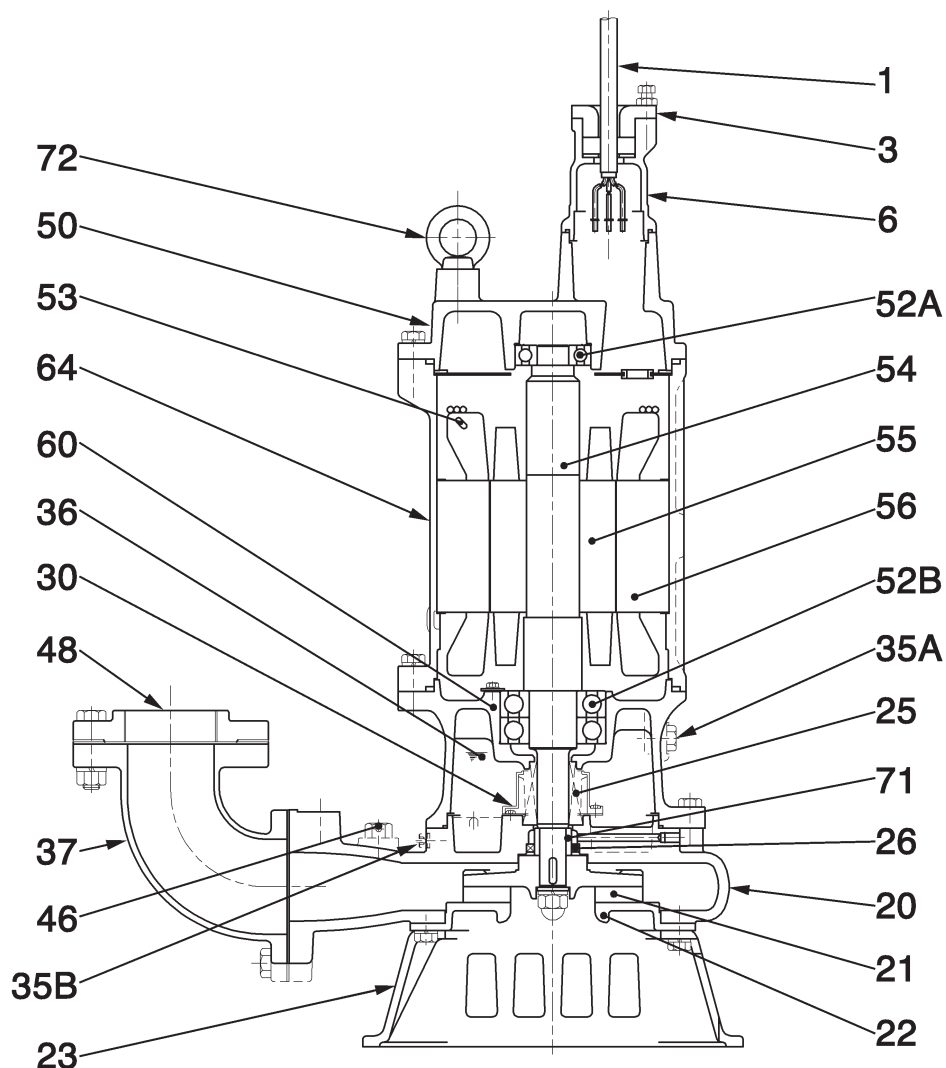


CWL: Continuous Running Water Level
LWL: Lowest Running Water Level

TOS80SFQ211-52 (A-11604-1)

Sectional Drawing

80SFQ211-52

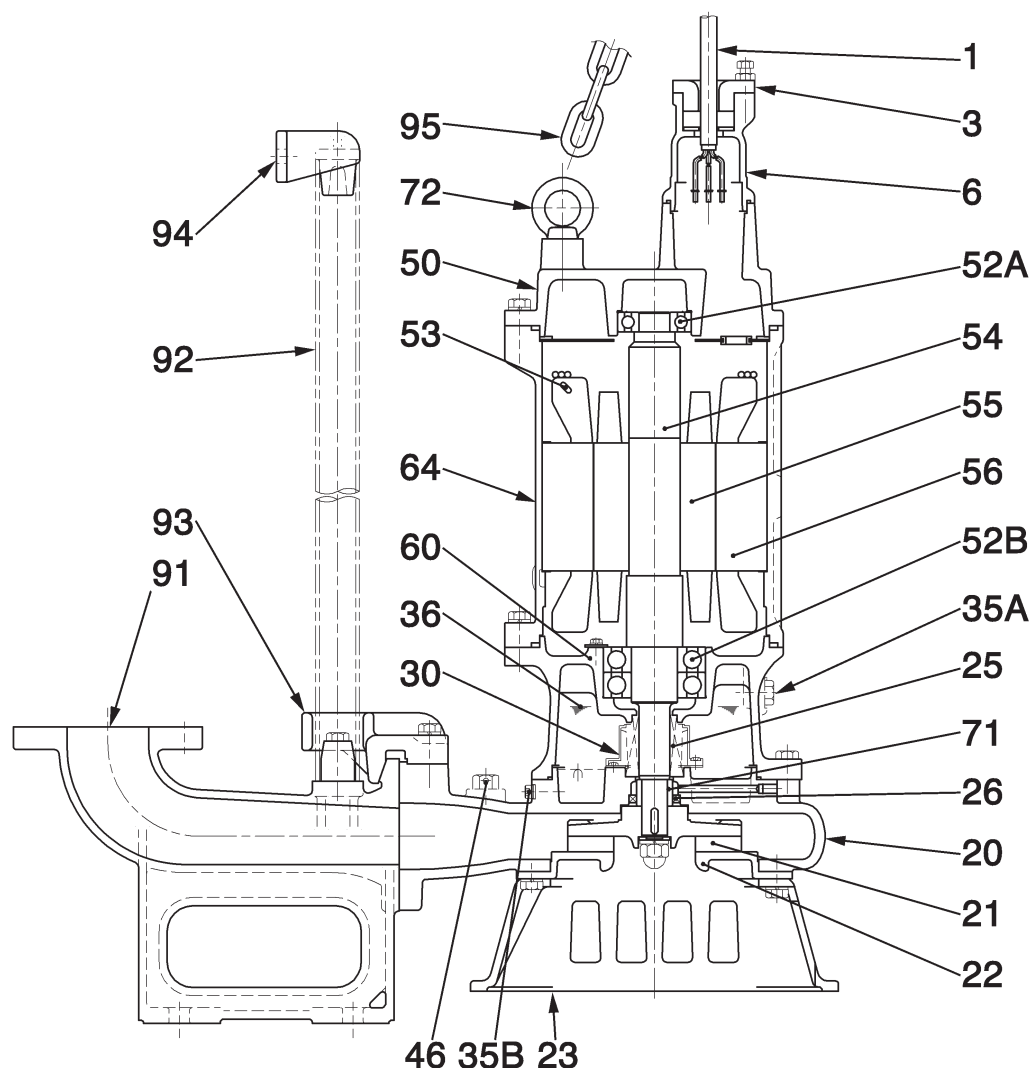


80SFQ211-52 (A-11602-1)

No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	3	10m 7Cx5,5mm ² /2Cx2mm ²	50	Motor Bracket	1	SCS14 (DIN GX5CrNiMo19-11-2)
3	Gland	2	SCS14 (DIN GX5CrNiMo19-11-2)	52A	Upper Bearing	1	6306ZZC3
6	Stuffing Box	2	SCS14 (DIN GX5CrNiMo19-11-2)	52B	Lower Bearing	1	6309ZZD2C3
20	Pump Casing	1	SCS14 (DIN GX5CrNiMo19-11-2)	53	Motor Protector	3	
21	Impeller	1	SCS14 (DIN GX5CrNiMo19-11-2)	54	Shaft	1	SUS316 (EN-X5CrNiMo17-12-2)
22	Suction Cover	1	SCS14 (DIN GX5CrNiMo19-11-2)	55	Rotor	1	
23	Strainer Stand	1	SCS14 (DIN GX5CrNiMo19-11-2)	56	Stator Complete	1	
25	Mechanical Seal	1	X-30W	60	Bearing Housing	1	SCS14 (DIN GX5CrNiMo19-11-2)
26	Oil Seal	1	TC35508	64	Motor Frame	1	SCS14 (DIN GX5CrNiMo19-11-2)
30	Oil Lifter	1	Plastic	71	Shaft Sleeve	1	SUS316 (EN-X5CrNiMo17-12-2)
35A	Oil Plug	1	SUS316 (EN-X5CrNiMo17-12-2)	72	Lifting Eye Bolt	2	SUS316 (EN-X5CrNiMo17-12-2)
35B	Oil Plug	1	SUS316 (EN-X5CrNiMo17-12-2)				
36	Lubricant		Turbine Oil (ISO VG32)				
37	Discharge Bend	1	SCS14 (DIN GX5CrNiMo19-11-2)				
46	Air Release Valve	1	SUS316 (EN-X5CrNiMo17-12-2)				
48	Screwed Flange	1	SCS14 (DIN GX5CrNiMo19-11-2)				

Sectional Drawing

TOS80SFQ211-52



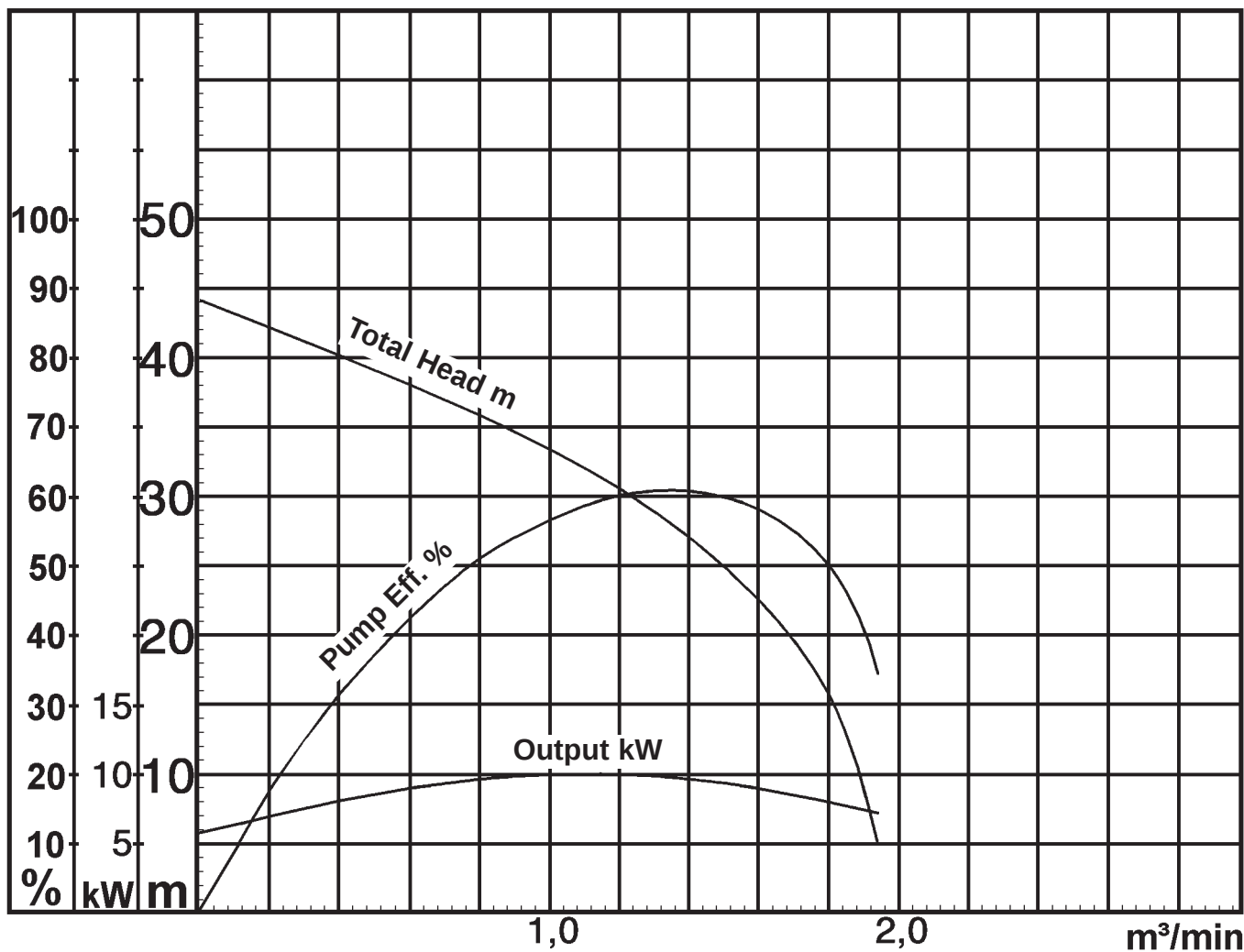
TOS80SFQ211-52 (A-11607-1)

No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	3	10m 7Cx5,5mm ² /2Cx2mm ²	52A	Upper Bearing	1	6306ZZC3
3	Gland	2	SCS14 (DIN GX5CrNiMo19-11-2)	52B	Lower Bearing	1	6309ZZD2C3
6	Stuffing Box	2	SCS14 (DIN GX5CrNiMo19-11-2)	53	Motor Protector	3	
20	Pump Casing	1	SCS14 (DIN GX5CrNiMo19-11-2)	54	Shaft	1	SUS316 (EN-X5CrNiMo17-12-2)
21	Impeller	1	SCS14 (DIN GX5CrNiMo19-11-2)	55	Rotor	1	
22	Suction Cover	1	SCS14 (DIN GX5CrNiMo19-11-2)	56	Stator Complete	1	
23	Strainer Stand	1	SCS14 (DIN GX5CrNiMo19-11-2)	60	Bearing Housing	1	SCS14 (DIN GX5CrNiMo19-11-2)
25	Mechanical Seal	1	X-30W	64	Motor Frame	1	SCS14 (DIN GX5CrNiMo19-11-2)
26	Oil Seal	1	TC35508	71	Shaft Sleeve	1	SUS316 (EN-X5CrNiMo17-12-2)
30	Oil Lifter	1	Plastic	72	Lifting Eye Bolt	2	SUS316 (EN-X5CrNiMo17-12-2)
35A	Oil Plug	1	SUS316 (EN-X5CrNiMo17-12-2)	91	Duck foot Bend	1	SCS14 (DIN GX5CrNiMo19-11-2)
35B	Oil Plug	1	SUS316 (EN-X5CrNiMo17-12-2)	92	Guide Pipe (Option)	2	SUS316 (EN-X5CrNiMo17-12-2)
36	Lubricant		Turbine Oil (ISO VG32)	93	Guide Hook	1	SCS14 (DIN GX5CrNiMo19-11-2)
46	Air Release Valve	1	SUS316 (EN-X5CrNiMo17-12-2)	94	Guide Support	1	SCS14 (DIN GX5CrNiMo19-11-2)
50	Motor Bracket	1	SCS14 (DIN GX5CrNiMo19-11-2)	95	Lifting Chain	1	SUS316 (EN-X5CrNiMo17-12-2)

Pump Performance Curve

80SFQ211-52

Discharge Bore	80 mm
Total Head	33 m
Capacity	1,0 m ³ /min
Motor Output	11,0 kW
Motor Input	12,6 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	21,0 A
Starting Current	158,0 A
Poles	2
Revolution	S.S. 2935 r.p.m.
Starting Method	star delta
Insulation Class	F



80SFQ211-52 (A-11594-1)