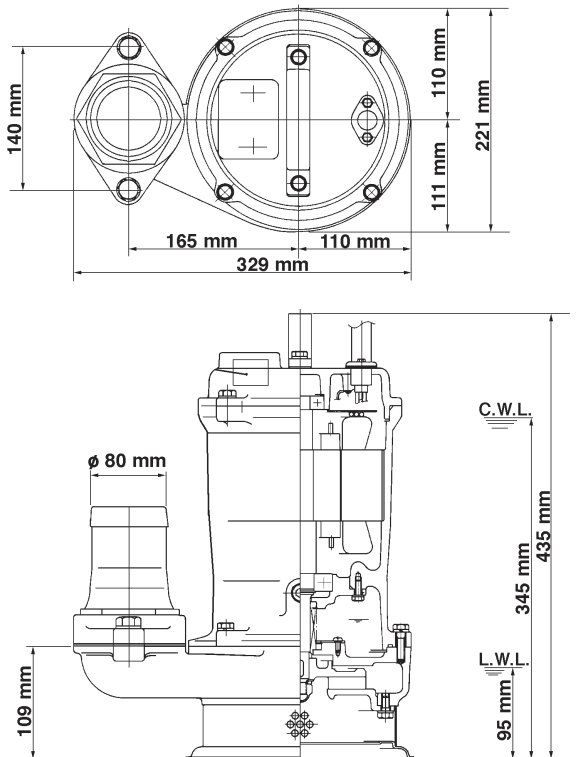
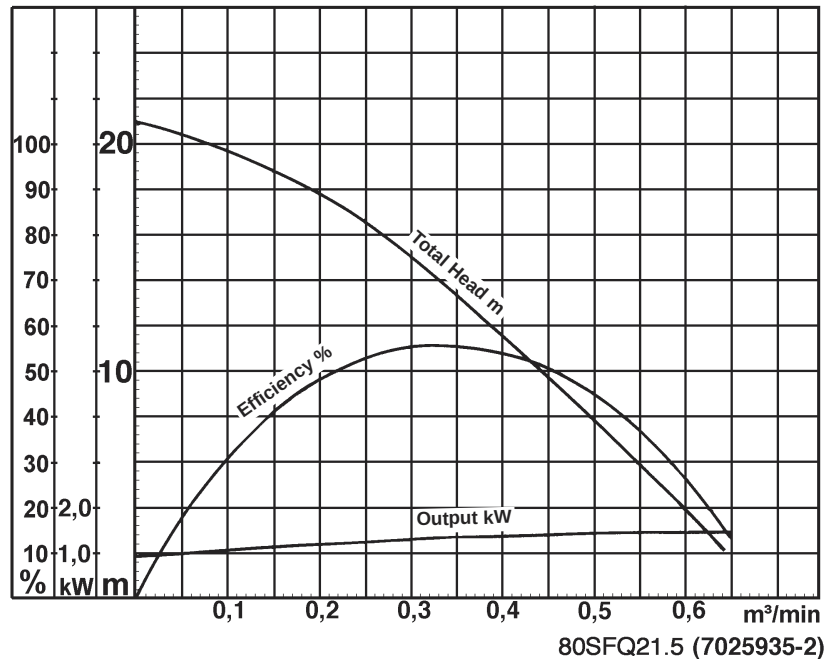


Data Sheet 80SFQ21.5



L.W.L. = Lowest running water level 80SFQ21.5 (A-00555-3)
C.W.L. = Continuous running water level



Classification

Electric submersible pump
Protection class IP68
Depth of submersion max. 30m
Semi-open impeller
Solid handling max. 6mm
Suitable for corrosive liquids

Electric Motor

Dry-type submersible induction motor,
Insulation class E, 2 poles, 2850 r.p.m.
Direct on line start
Voltage: 400V, 50Hz, 3-phase
Power input: 2,06kW
Power output: 1,50kW
Nominal current: 3,9A
Start current: 27,0A

Electric Cable

10m H07RN-F 4Cx1,5mm²

Motor Protection

Circle thermal protector
(snap-action bi-metal device)

Shaft Seal

Double mechanical seal in oil bath
Primary Seal:
silicon carbide on silicon carbide
Secondary Seal:
silicon carbide on silicon carbide

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller: SCS14 (DIN GX5CrNiMo19-11-2)
Casing: SCS14 (DIN GX5CrNiMo19-11-2)
Suction Cover: SCS14 (DIN GX5CrNiMo19-11-2)
Motor frame: SCS14 (DIN GX5CrNiMo19-11-2)
Shaft: SUS316 (EN-X5CrNiMo17-12-2)

Discharge Connection

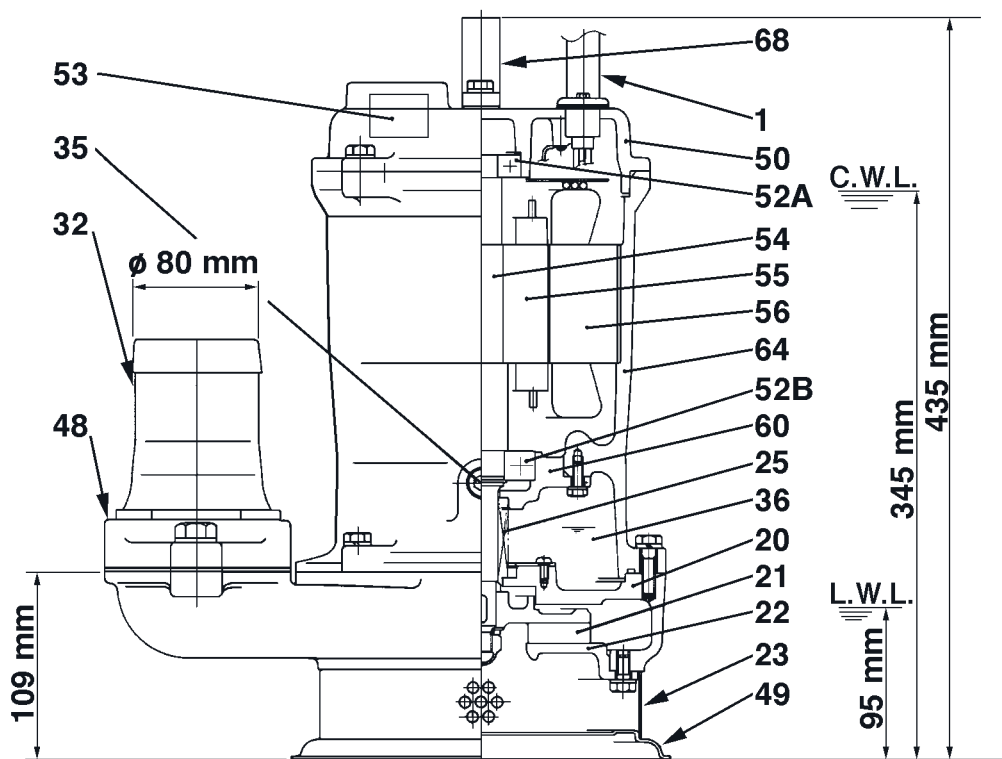
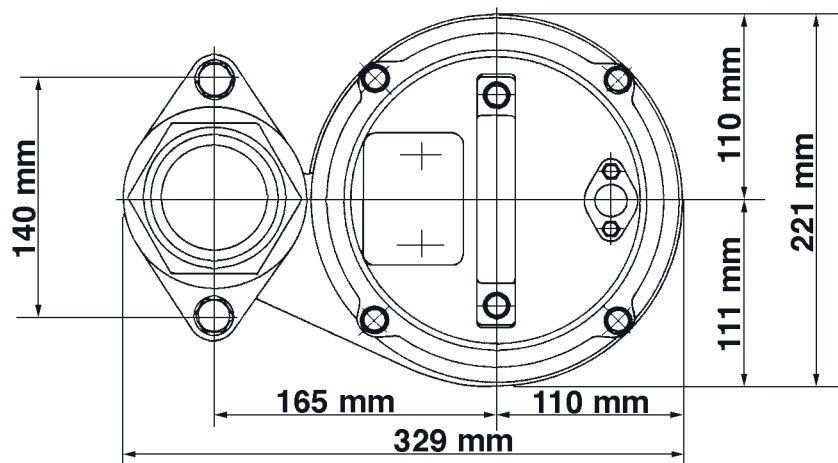
3" (80mm) Hose coupling

Weight

42 kg (dry weight of the pump without cable)

Dimensional & Sectional Drawing

80SFQ21.5



LWL: Lowest Running Water Level

80SFQ21.5 (A-00555-3)

No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	1	PVC Sheath	53	Motor Protector	1	
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	1	SUS316 (EN-X5CrNiMo17-12-2)	60	Bearing Housing	1	SCS14 (DIN GX5CrNiMo19-11-2)
25	Mechanical Seal	1	X-18W	64	Motor Frame	1	SCS14 (DIN GX5CrNiMo19-11-2)
32	Hose Coupling	1	SCS14 (DIN GX5CrNiMo19-11-2)	68	Handle	1	SUS316 (EN-X5CrNiMo17-12-2)
35	Oil Plug	1	SUS316 (EN-X5CrNiMo17-12-2)				
36	Lubricant		Oil ISO VG32				
48	Screw Flange	1	SCS14 (DIN GX5CrNiMo19-11-2)				
49	Bottom Plate	1	SUS316 (EN-X5CrNiMo17-12-2)				
50	Motor Bracket	1	SCS14 (DIN GX5CrNiMo19-11-2)				
52A	Upper Bearing	1	6204ZZC3				
52B	Lower Bearing	1	6305ZZC3				

Pump Performance Curve

80SFQ21.5

Discharge Bore	80 mm
Total Head	15 m
Capacity	0,30 m³/min
Motor Output	1,50 kW
Motor Input	2,06 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	3,9 A
Starting Current	27,0 A
Poles	2
Revolution	S.S. 2850 r.p.m.
Starting Method	direct on line
Insulation Class	E

