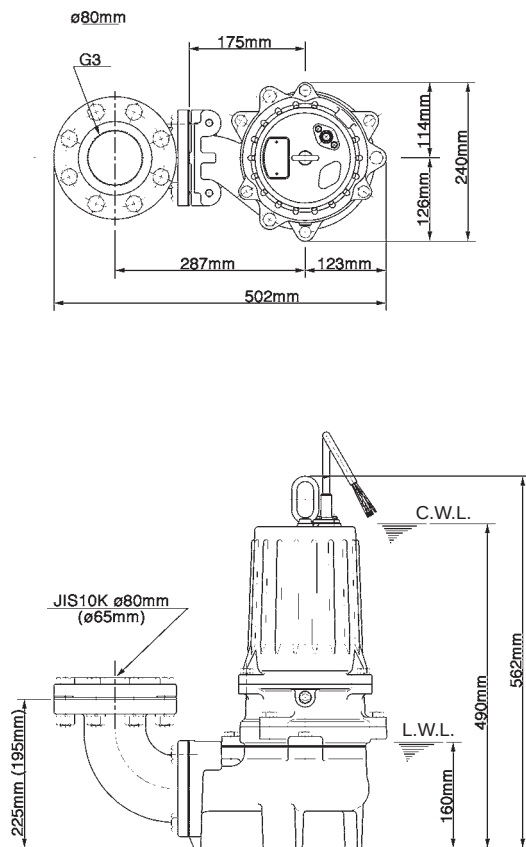
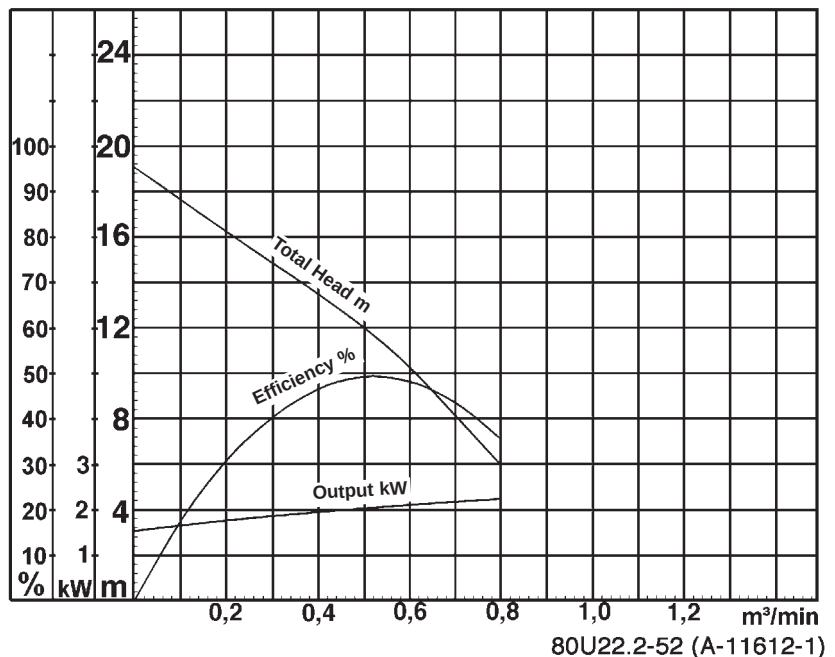


Data Sheet 80U22.2-52



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

80U22.2-52 (A-11620)



80U22.2-52 (A-11612-1)

Classification

Electric submersible pump
Protection class IP68
Depth of submersion max. 30m
Vortex impeller
Solid handling max. 56mm
Suitable for waste water and liquid carrying waste and solid matters

Electric Motor

Dry-type submersible induction motor,
Insulation class F, 2 poles, 2840 r.p.m.
Direct on line start
Voltage: 400V, 50Hz, 3-phase
Power input: 3,06kW
Power output: 2,20kW
Nominal current: 4,9A
Start current: 34,0A

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
additional lubrication by oil lifting device
Primary Seal:
silicon carbide on silicon carbide
Secondary Seal:
ceramic on carbon

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller: FC200 (EN-GJL-200)
Casing: FC200 (EN-GJL-200)
Motor frame: FC150 (EN-GJL-150)
Shaft: SUS420J2 (EN-X30Cr13)

Discharge Connection

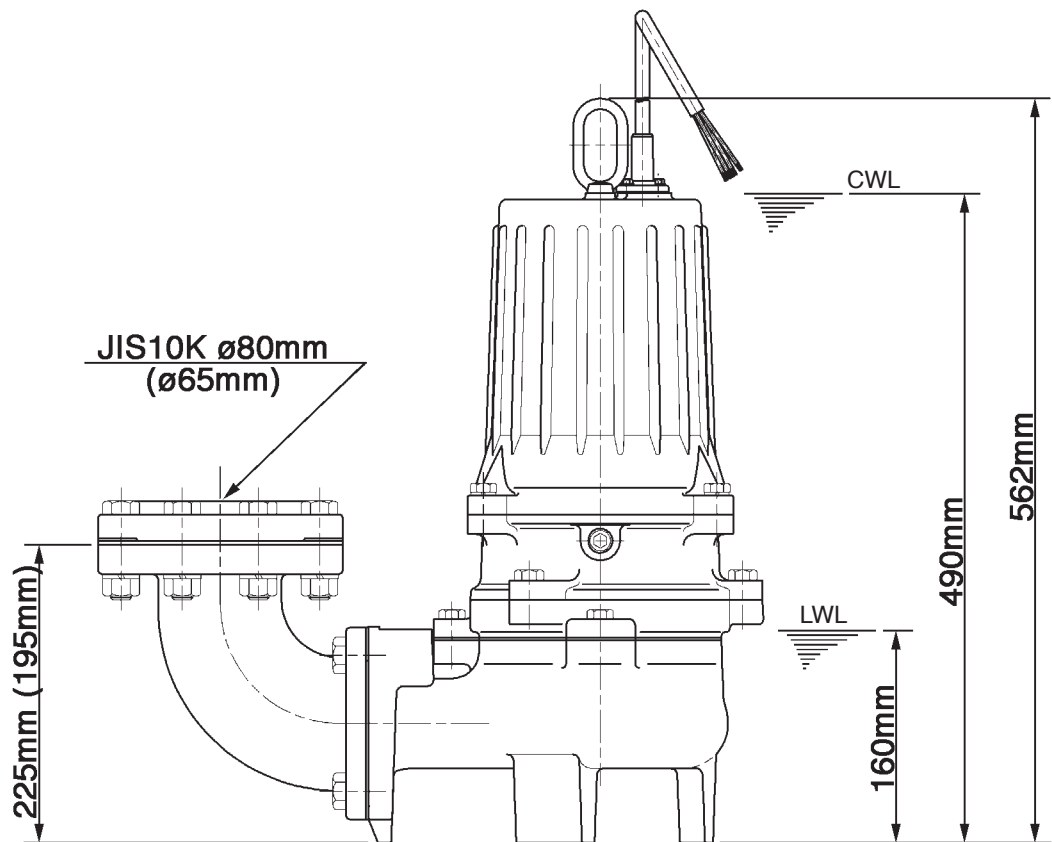
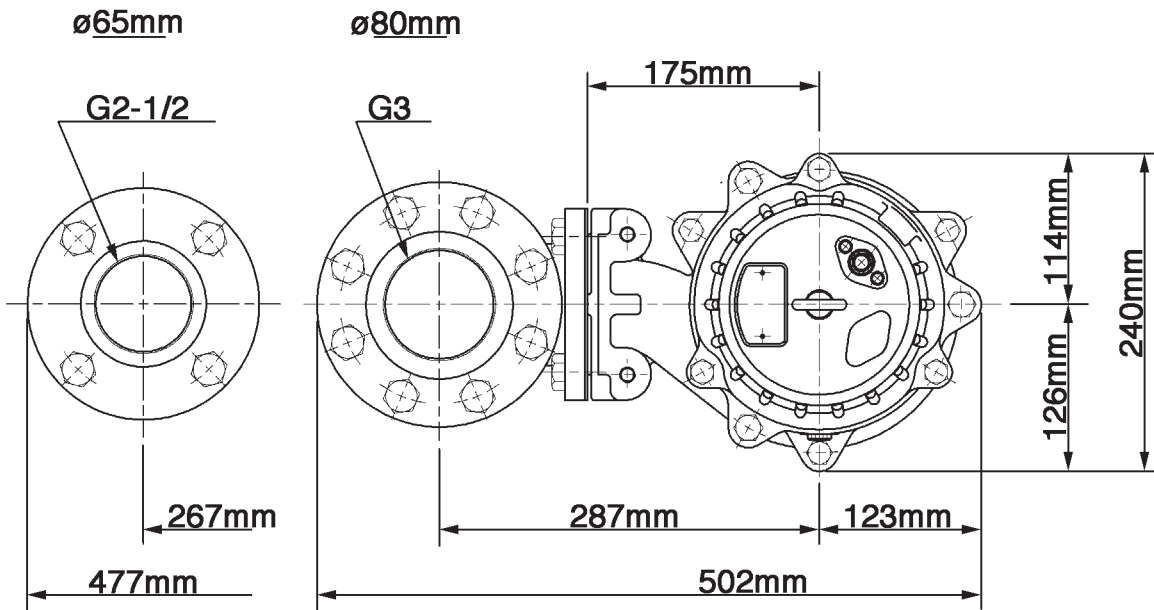
3" (80mm) JIS10K screwed-in mating flange
Guide rail fitting optional

Weight

55 kg (dry weight of the pump without cable)

Dimensional Drawing

80U22.2-52



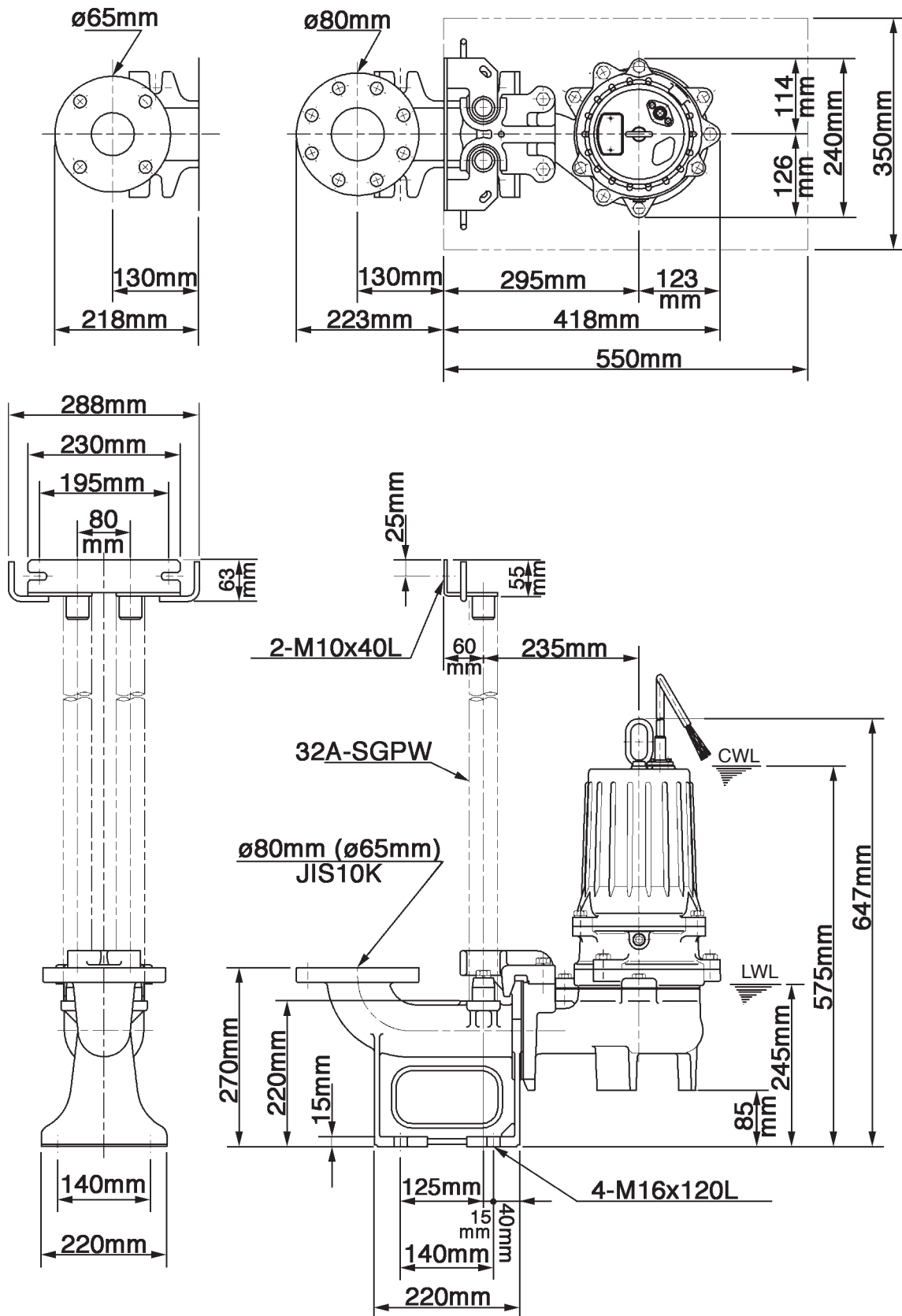
CWL: Continuous Running Water Level

LWL: Lowest Running Water Level

80U22.2-52 (A-11620)

Dimensional Drawing

TOS80U22.2-52

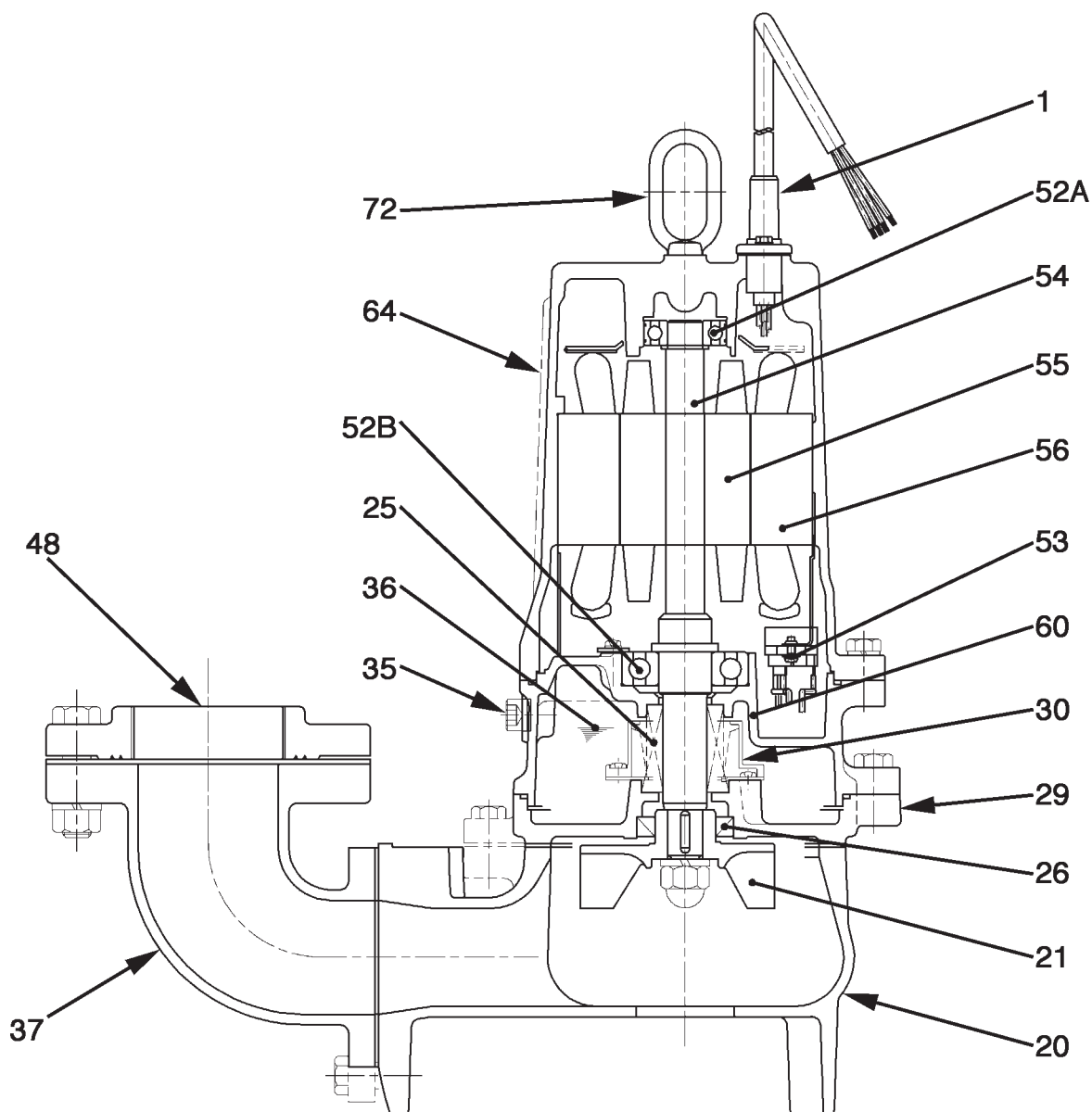


CWL: Continuous Running Water Level
LWL: Lowest Running Water Level

TOS80U22.2-52 (A-11638-1)

Sectional Drawing

80U22.2-52

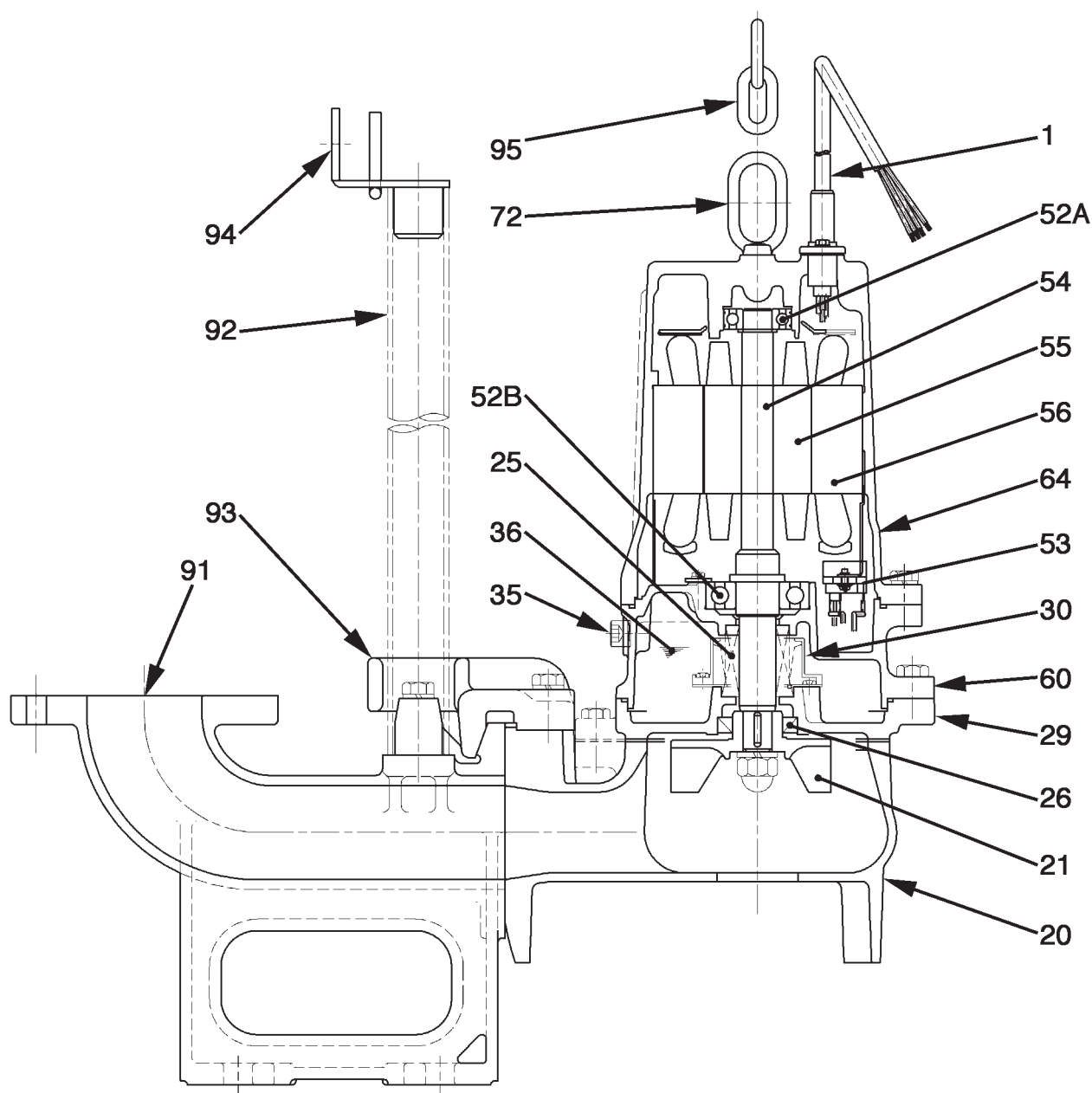


80U22.2-52 (A-11629-1)

No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cable	1	H07RN-F	54	Shaft	1	SUS420J2 (EN-X30Cr13)
20	Pump Casing	1	FC200 (EN-GJL-200)	55	Rotor	1	
21	Impeller	1	FC200 (EN-GJL-200)	56	Stator Complete	1	
25	Mechanical Seal	1	H-25A	60	Bearing Housing	1	FC150 (EN-GJL-150)
26	Oil Seal	1	DD-355511	64	Motor Frame	1	FC150 (EN-GJL-150)
29	Oil Casing	1	FC200 (EN-GJL-200)	72	Lifting Eye Bolt	1	SUS304 (EN-X5CrNi18-10)
30	Oil Lifter	1	Plastic				
35	Oil Plug	1	SUS304 (EN-X5CrNi18-10)				
36	Lubricant		Turbine Oil (ISO VG32)				
37	Discharge Bend	1	FC200 (EN-GJL-200)				
48	Screwed Flange	1	FC200 (EN-GJL-200)				
52A	Upper Bearing	1	6304ZZC3				
52B	Lower Bearing	1	6306ZZC3				
53	Motor Protector	1					

Sectional Drawing

TOS80U22.2-52



TOS80U22.2-52 (A-11647-1)

No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	1	H07RN-F	56	Stator Complete	1	
20	Pump Casing	1	FC200 (EN-GJL-200)	60	Bearing Housing	1	FC150 (EN-GJL-150)
21	Impeller	1	FC200 (EN-GJL-200)	64	Motor Frame	1	FC150 (EN-GJL-150)
25	Mechanical Seal	1	H-25A	72	Lifting Eye Bolt	1	SUS304 (EN-X5CrNi18-10)
26	Oil Seal	1	DD355511	91	Duck Foot Bend	1	FC200 (EN-GJL-200)
29	Oil Casing	1	FC200 (EN-GJL-200)	92	Guide Pipe (Option)	2	Galvanized Steel Pipe SGPW
30	Oil Lifter	1	Plastic	93	Guide Hook	1	FCD450 (EN-GJS-450-10)
35	Oil Plug	1	SUS304 (EN-X5CrNi18-10)	94	Guide Support	1	SUS304 (EN-X5CrNi18-10)
36	Lubricant		Turbine Oil (ISO VG32)	95	Lifting Chain	1	SS400 (DIN 1.0040)
52A	Upper Bearing	1	6304ZZC3				
52B	Lower Bearing	1	6306ZZC3				
53	Motor Protector	1					
54	Shaft	1	SUS420J2 (EN-X30Cr13)				
55	Rotor	1					

Pump Performance Curve

80U22.2-52

Discharge Bore	80 mm
Total Head	12 m
Capacity	0,5 m³/min
Motor Output	2,20 kW
Motor Input	3,06 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	4,9 A
Starting Current	34,0 A
Poles	2
Revolution	S.S. 2840 r.p.m.
Starting Method	direct on line
Insulation Class	F

