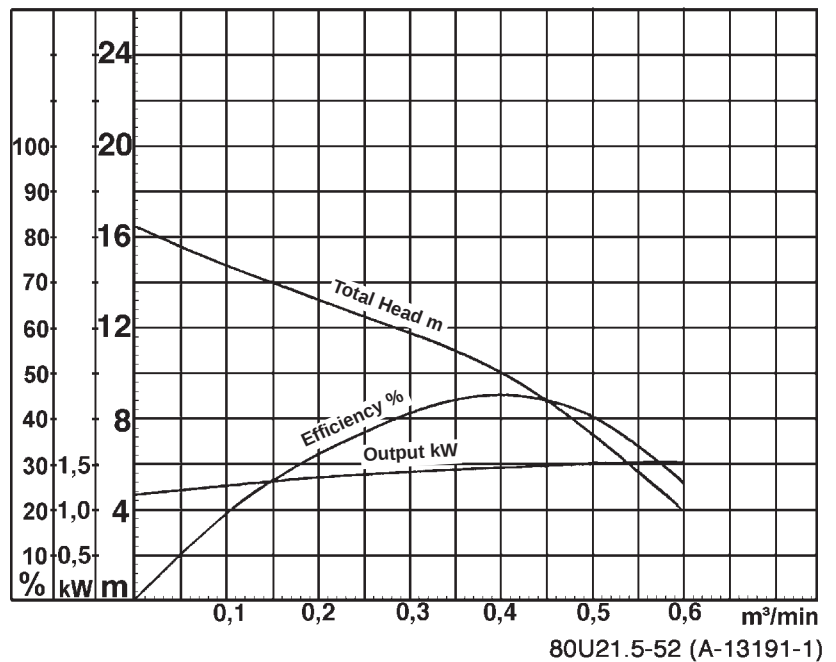


L.W.L. = Lowest running water level 80U21.5-52 (A-13193-1)



Electric submersible pump
Protection class IP68
Depth of submersion max. 30m
Vortex impeller
Solid handling max. 46mm
Suitable for waste water and liquid carrying
waste and solid matters

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:	2,14kW
Power output:	1,50kW
Nominal current:	3,5A
Start current:	22,0A

10m H07RN-F 4Cx1,5mm²

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

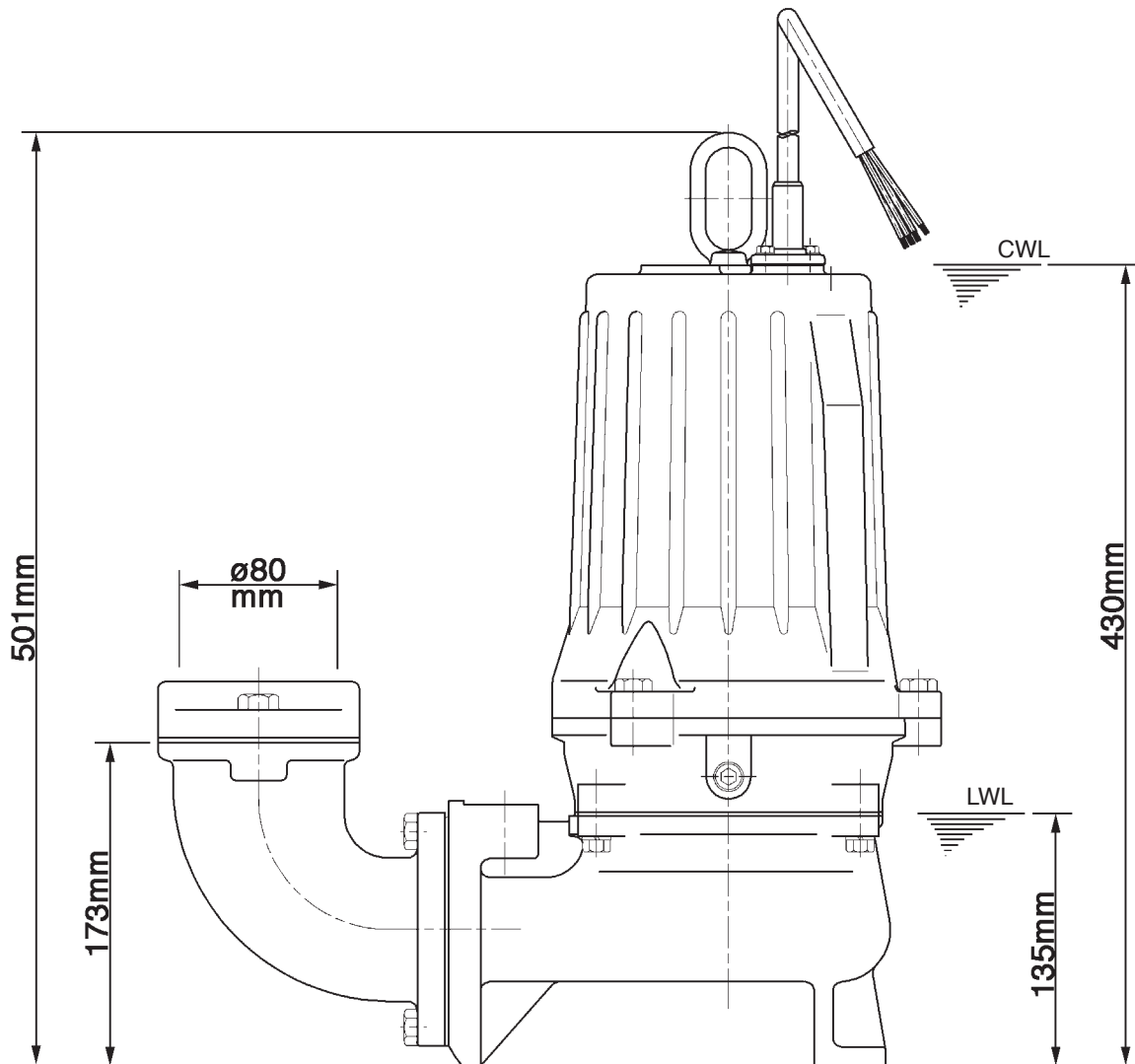
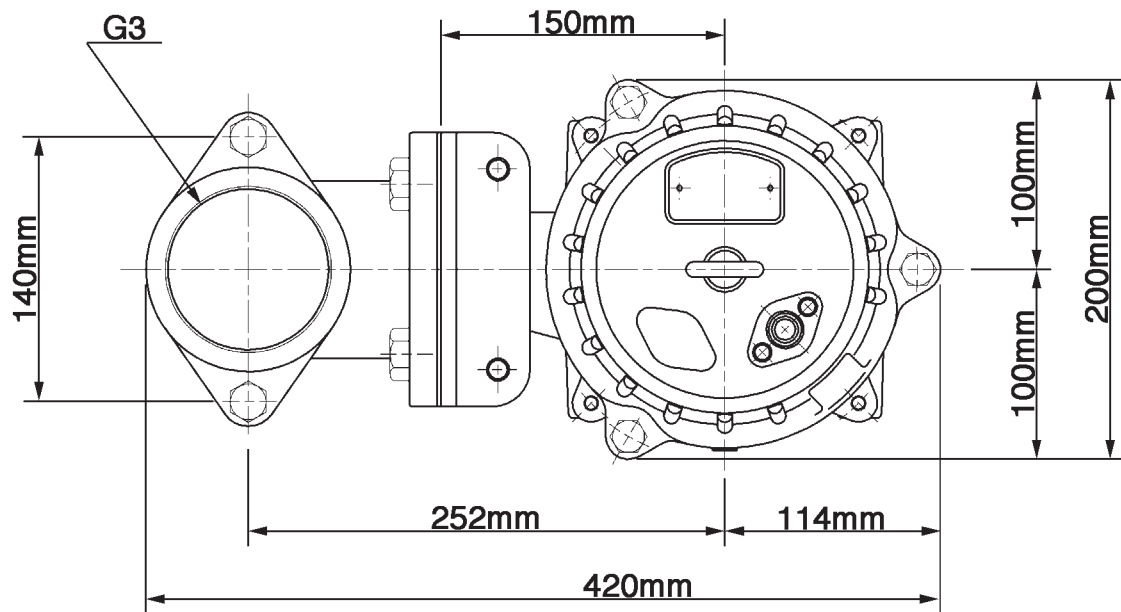
ceramic on carbon

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

40 kg (dry weight of the pump without cable)

Dimensional Drawing

80U21.5-52

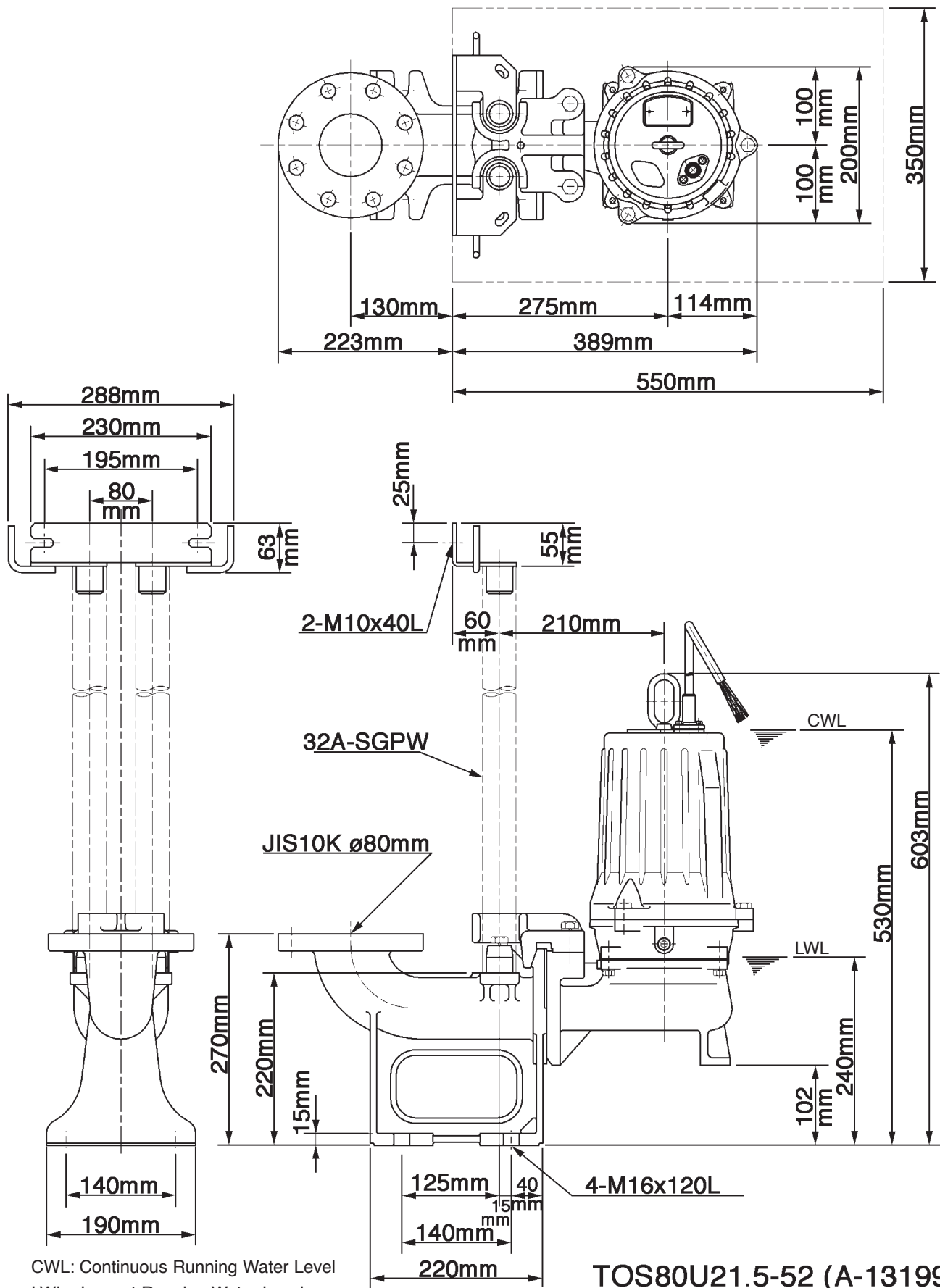


CWL: Continuous Running Water Level
LWL: Lowest Running Water Level

80U21.5-52 (A-13193-1)

Dimensional Drawing

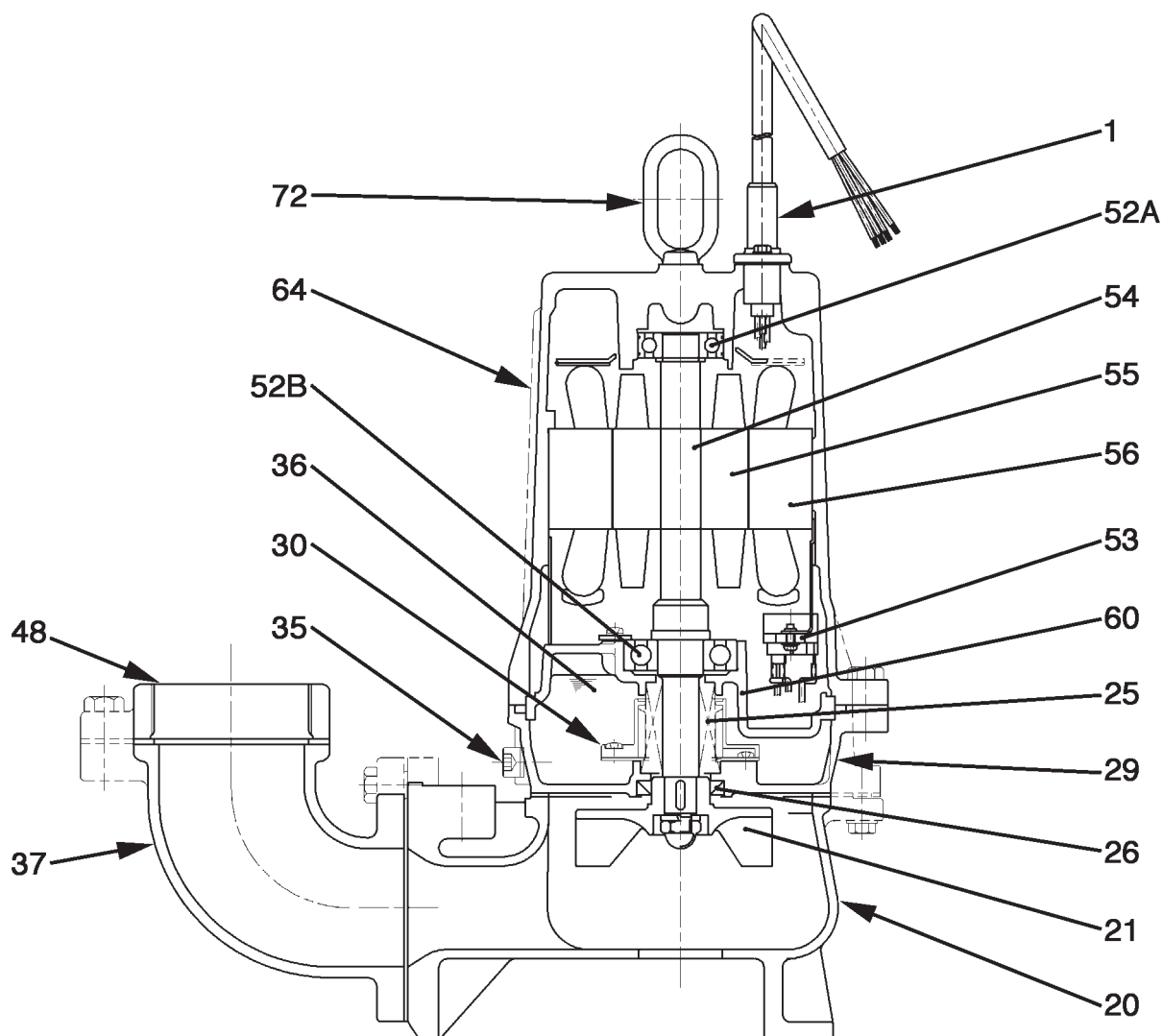
TOS80U21.5-52



TOS80U21.5-52 (A-13199-1)

Sectional Drawing

80U21.5-52

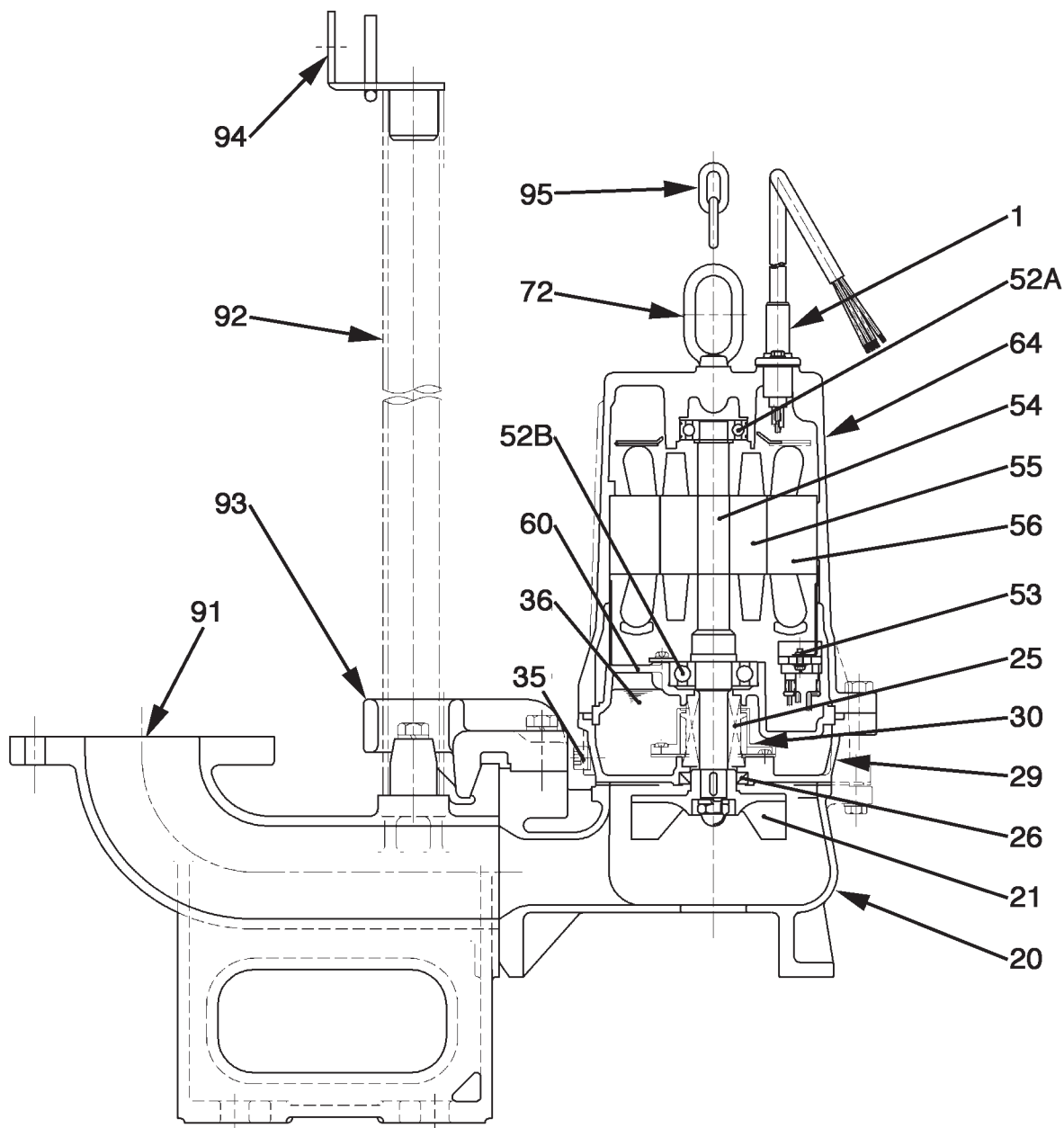


80U21.5-52 (A-13196-1)

No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre 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-20A	60	Bearing Housing	1	FC150 (EN-GJL-150)
26	Oil Seal	1	DD32488	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	Screw Flange	1	FC200 (EN-GJL-200)				
52A	Upper Bearing	1	6204ZZC3				
52B	Lower Bearing	1	6305ZZC3				
53	Motor Protector	1					

Sectional Drawing

TOS80U21.5-52



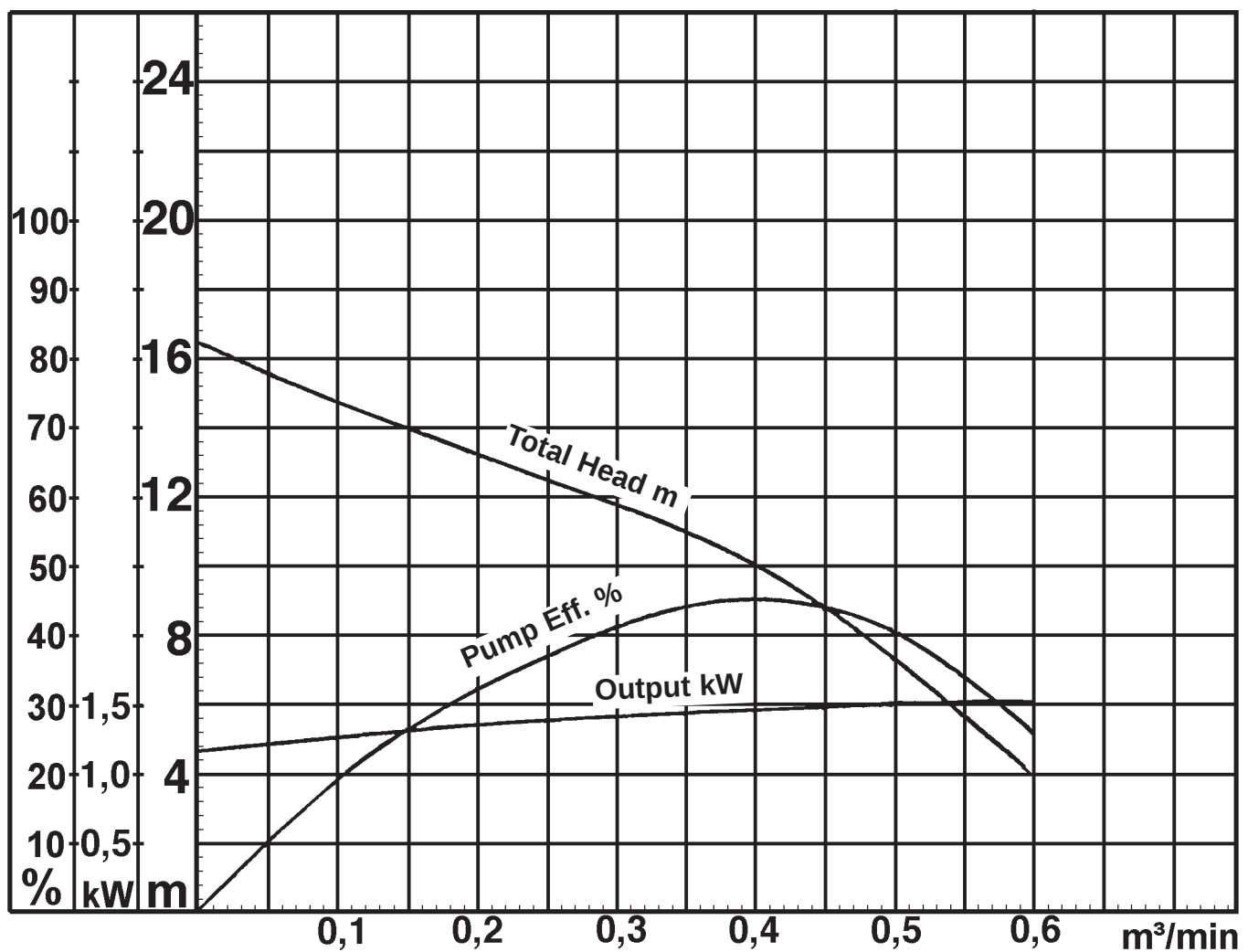
TOS80U21.5-52 (A-13202-1)

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-20A	72	Lifting Eye Bolt	1	SUS304 (EN-X5CrNi18-10)
26	Oil Seal	1	DD32488	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	FC200 (EN-GJL-200)
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	6204ZZC3				
52B	Lower Bearing	1	6305ZZC3				
53	Motor Protector	1					
54	Shaft	1	SUS420J2 (EN-X30Cr13)				
55	Rotor	1					

Pump Performance Curve

80U21.5-52

Discharge Bore	80 mm
Total Head	10 m
Capacity	0,4 m ³ /min
Motor Output	1,50 kW
Motor Input	2,15 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	3,5 A
Starting Current	22,0 A
Poles	2
Revolution	S.S. 2840 r.p.m.
Starting Method	direct on line
Insulation Class	F



80U21.5-52 (A-13191-1)