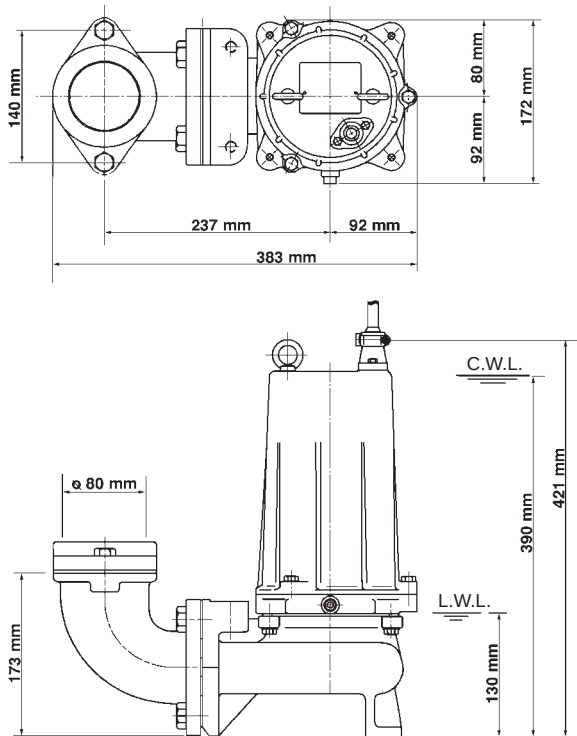
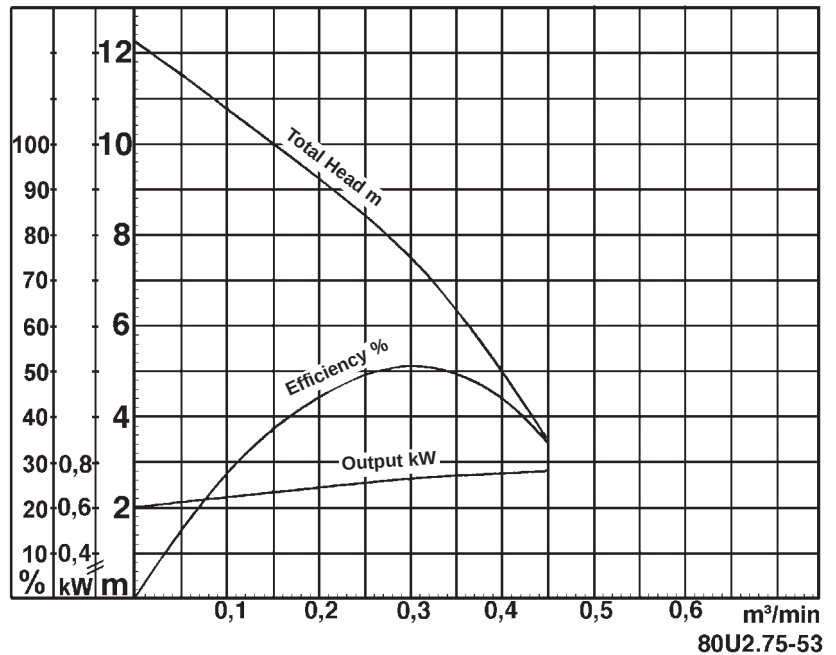


Data Sheet 80U2.75-53



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

80U2.75-53



Classification

Electric submersible pump
Protection class IP68
Depth of submersion max. 20m
Vortex impeller
Solid handling max. 46mm
Suitable for waste water and liquid carrying waste and solid matters

Electric Motor

Dry-type submersible induction motor,
Insulation class E, 2 poles, 2810 r.p.m.
Direct on line start
Voltage: 400V, 50Hz, 3-phase
Power input: 1,23kW
Power output: 0,75kW
Nominal current: 2,1A
Start current: 8,5A

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 ceramic
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:	SUS403 (EN-X6Cr13)

Discharge Connection

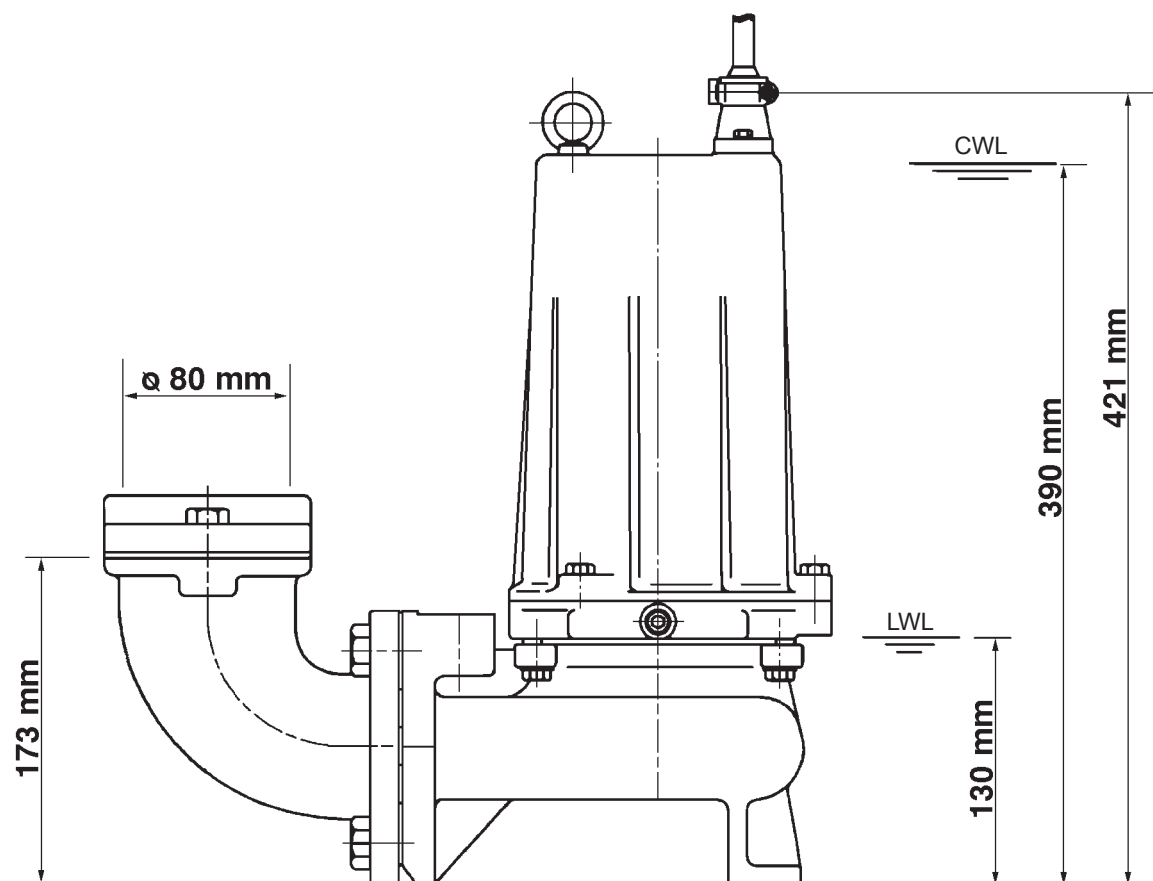
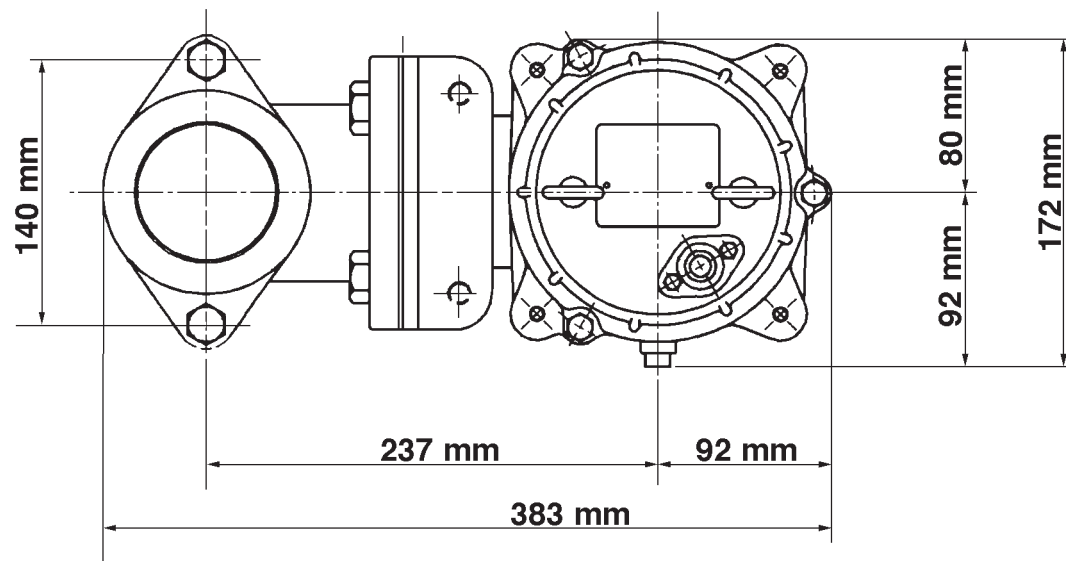
3" (80mm) special screwed-in mating flange
Guide rail fitting optional

Weight

28,5 kg (dry weight of the pump without cable)

Dimensional Drawing

80U2.75-53



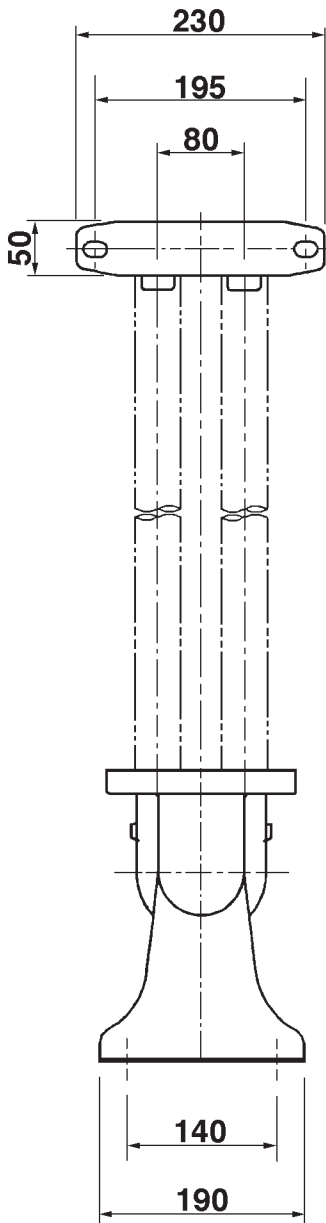
80U2.75-53

CWL: Continuous Running Water Level

LWL: Lowest Running Water Level

TOS80U2.75-53

Dimensions in mm

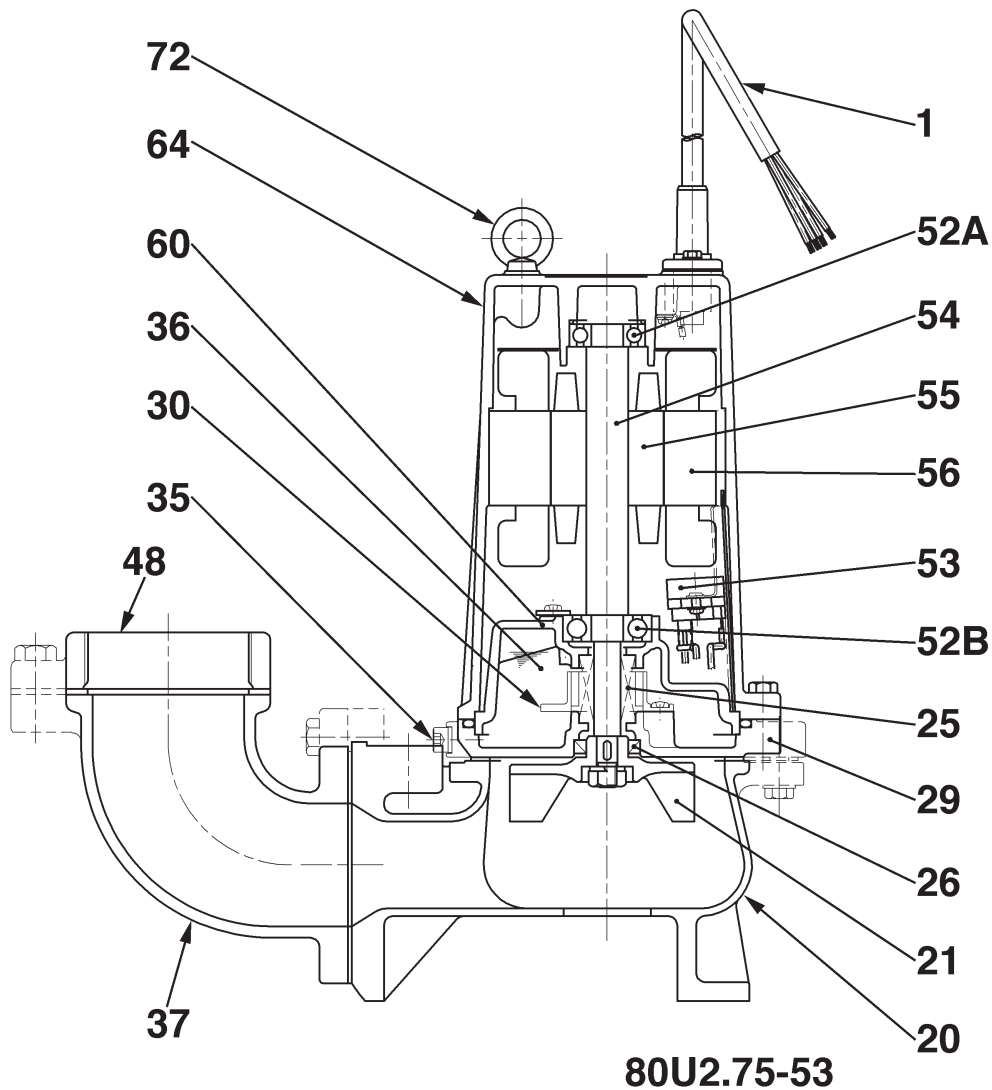


CWL: Continuous Running Water Level
LWL: Lowest Running Water Level

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Sectional Drawing

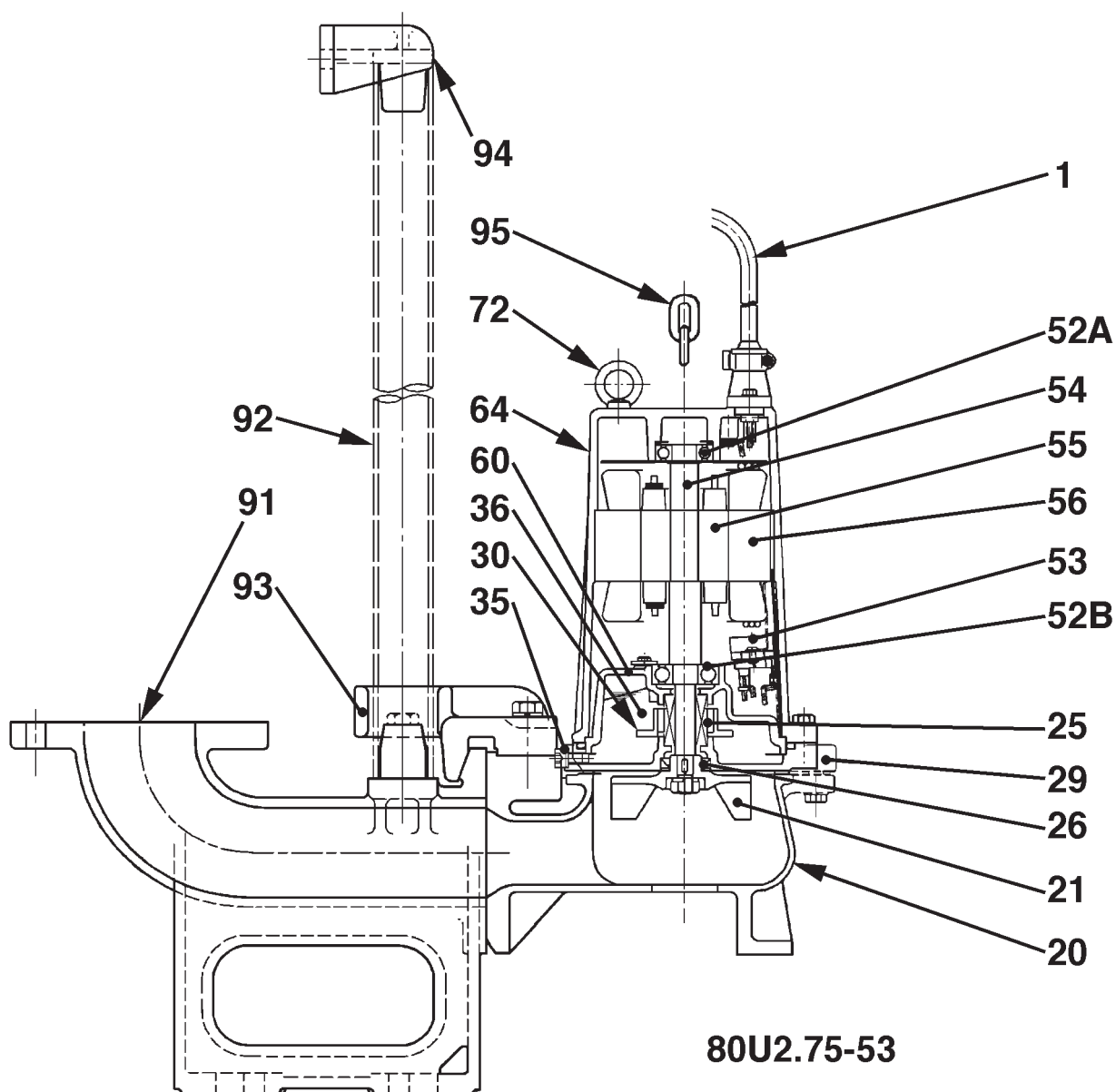
80U2.75-53



No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	1	H07RN-F	54	Shaft	1	SUS403 (EN-X6Cr13)
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	W-14HL	64	Motor Frame	1	FC150 (EN-GJL-150)
26	Oil Seal	1	SC22357	72	Lifting Eye Bolt	2	SUS304 (EN-X5CrNi18-10)
29	Oil Casing	1	FC150 (EN-GJL-150)				
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	6203ZZC3				
52B	Lower Bearing	1	6303ZZC3				
53	Motor Protector	1					

Sectional Drawing

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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)	64	Motor Frame	1	FC150 (EN-GJL-150)
21	Impeller	1	FC200 (EN-GJL-200)	72	Lifting Eye Bolt	2	SUS304 (EN-X5CrNi18-10)
25	Mechanical Seal	1	W-14HL	91	Duck Foot Bend	1	FC200 (EN-GJL-200)
26	Oil Seal	1	SC22357	92	Guide Pipe (Option)	2	Galvanized Steel Pipe SGPW
29	Oil Casing	1	FC150 (EN-GJL-150)	93	Guide Hook	1	FC200 (EN-GJL-200)
30	Oil Lifter	1	Plastic	94	Guide Support	1	FCD450 (EN-GJS-450-10)
35	Oil Plug	1	SUS304 (EN-X5CrNi18-10)	95	Lifting Chain	1	SS400 (DIN 1.0040)
36	Lubricant		Turbine Oil (ISO VG32)				
52A	Upper Bearing	1	6203ZZC3				
52B	Lower Bearing	1	6303ZZC3				
53	Motor Protector	1					
54	Shaft	1	SUS403 (EN-X6Cr13)				
55	Rotor	1					

Pump Performance Curve

80U2.75-53

Discharge Bore	80 mm
Total Head	7,5 m
Capacity	0,3 m ³ /min
Motor Output	0,75 kW
Motor Input	1,23 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	2,1 A
Starting Current	8,5 A
Poles	2
Revolution	S.S. 2810 r.p.m.
Starting Method	direct on line
Insulation Class	E

