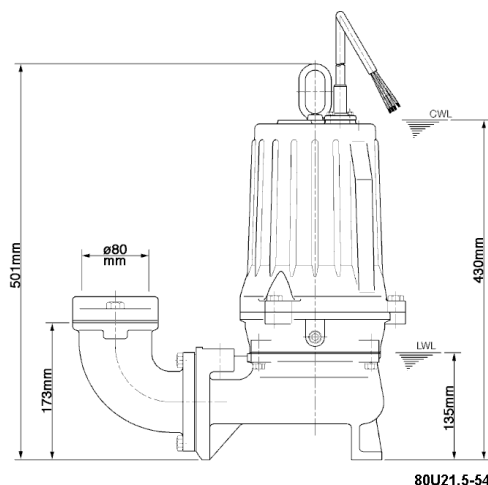
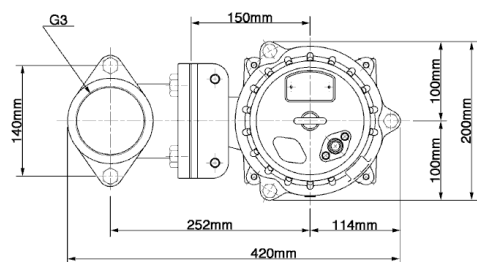
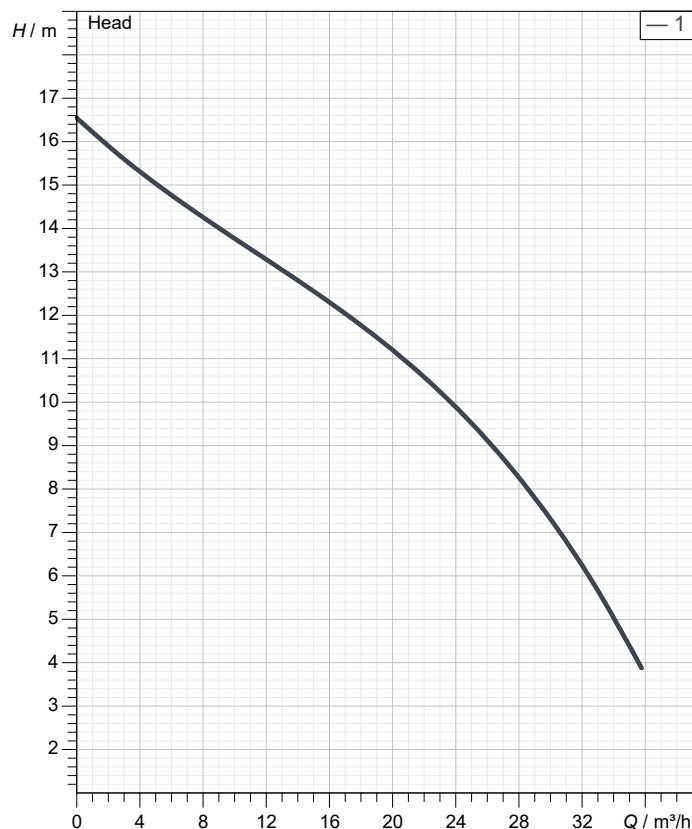


Data sheet 80U21.5-54



80U21.5-54

CWL: Continuous running water level
LWL: Lowest running water level



Specification

Electric submersible pump U-series
Degree of protection IP 68
Pressure resistance max. 15 m
Type of impeller Vortex impeller
Free passage 46 mm
Suitable for:
waste water and liquid carrying

Electric motor

Dry-type submersible induction motor
Insulation class F 2Poles 2912 1/min
Starting mode Direct starting
Rated voltage 400 V 50 Hz 3~
Power uptake 2.15 kW
Rated power 1.50 kW
Rated current 3.6 A
Start current 21.0 A

Cable

10m NSSHÖU 4Cx1,5mm²

Motor Protection

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

Shaft seal

Double inside 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)
Pump casing	FC200 (EN-GJL-200)
Motor Frame	FC150 (EN-GJL-150)
Shaft	SUS420J2 (EN-X30Cr13)

Discharge size

80mm screwed-in mating flange
guide rail fitting optional

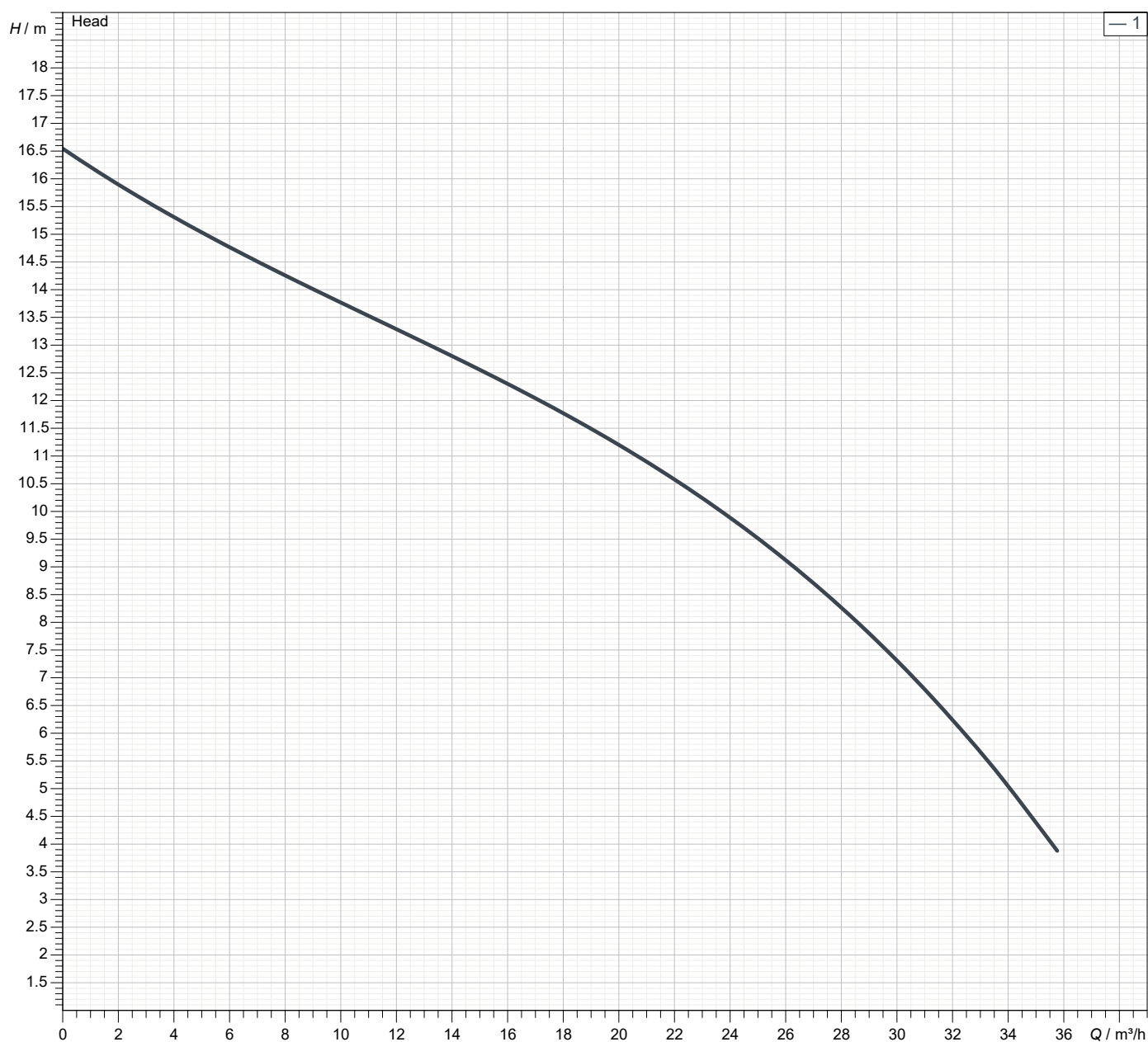
Weight

40 kg (dry weight of the pump only without cable)

Performance curve

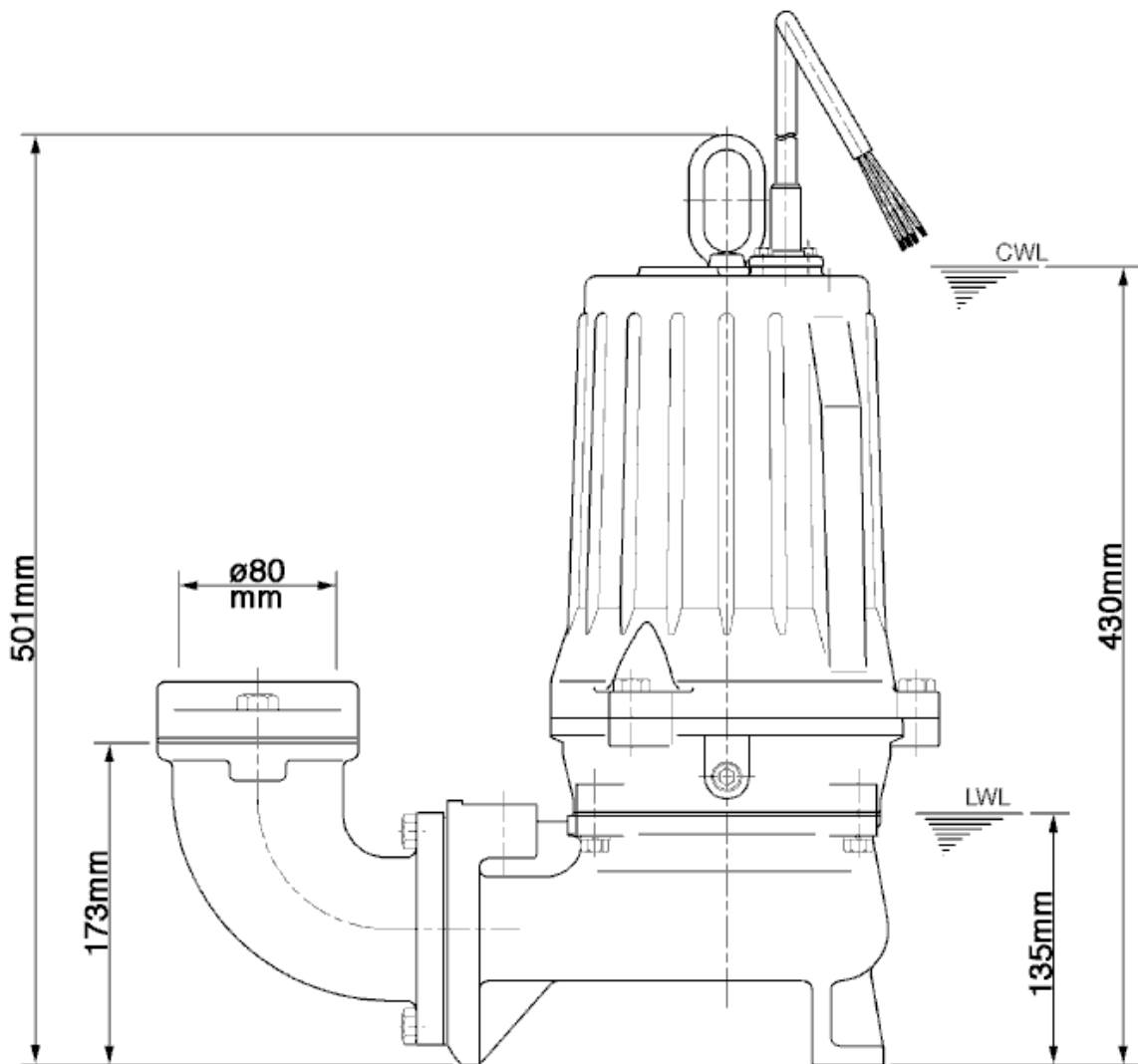
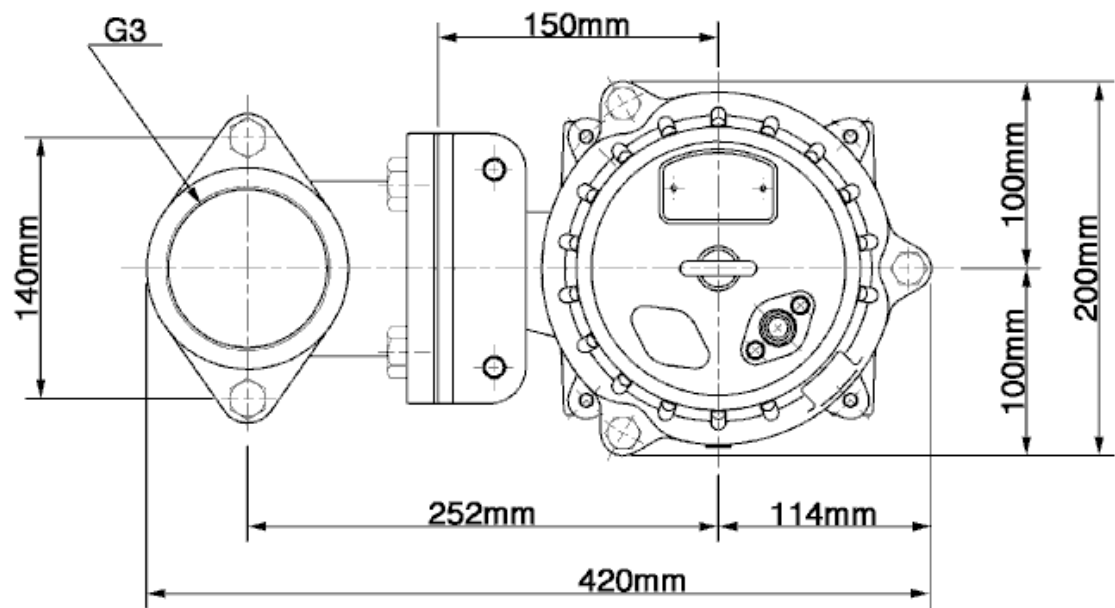
80U21.5-54

Discharge port	3"
Head	16.5 m
Flow	35.8 m³/h
Rated power	1.50 kW
Power input	2.15 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	3.6 A
Starting current	21.00 A
Number of poles	2
Speed	2912 1/min
Starting mode	Direct starting
Insulation class	F



Dimensions

80U21.5-54

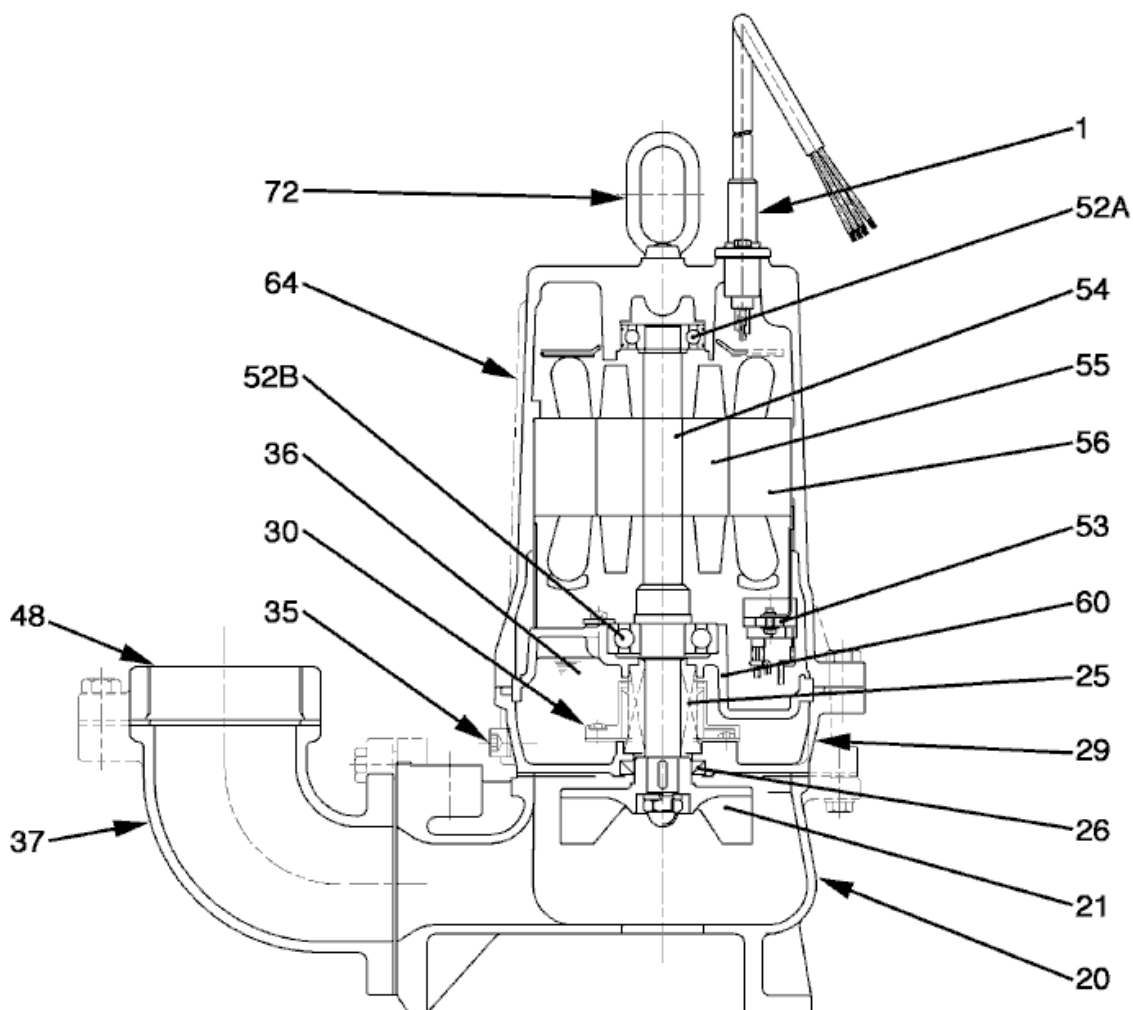


80U21.5-54

CWL: Continuous running water level
LWL: Lowest running water level

Sectional drawing

80U21.5-54



80U21.5-54

No.	Description	Remark	No.	Description	Remark
1	Cable	NSSHÖU	56	Stator	.
20	Pump casing	FC200 (EN-GJL-200)	60	Bearing Housing	FC150 (EN-GJL-150)
21	Impeller	FC200 (EN-GJL-200)	64	Motor Frame	FC150 (EN-GJL-150)
25	Mechanical seal	H-20A	72	Eye screw	SUS304 (EN-X5CrNi18-10)
26	Oil seal	TC32488			
29	Oil casing	FC200 (EN-GJL-200)			
30	Oil distributor	Plastic			
35	Oil screw	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
37	Discharge bend	FC200 (EN-GJL-200)			
48	Screwed Flange	FC200 (EN-GJL-200)			
52A	Upper bearing	6204ZZC3			
52B	Lower bearing	6305ZZC3			
53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)			
54	Shaft	SUS420J2 (EN-X30Cr13)			
55	Rotor	.			