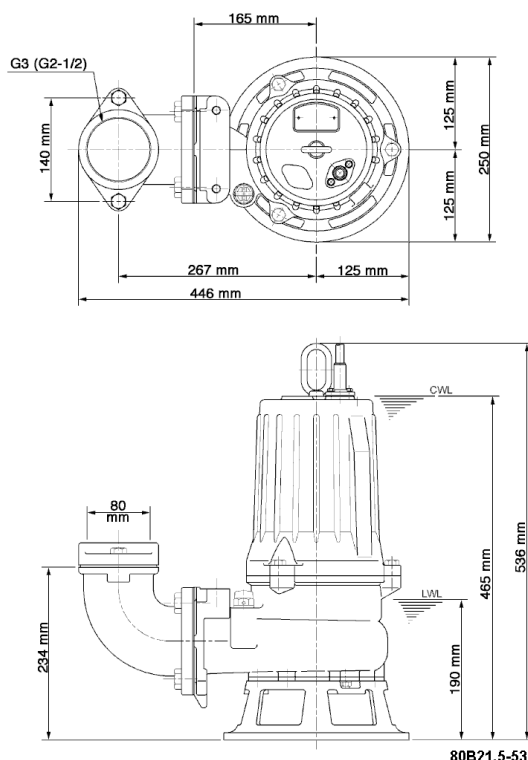
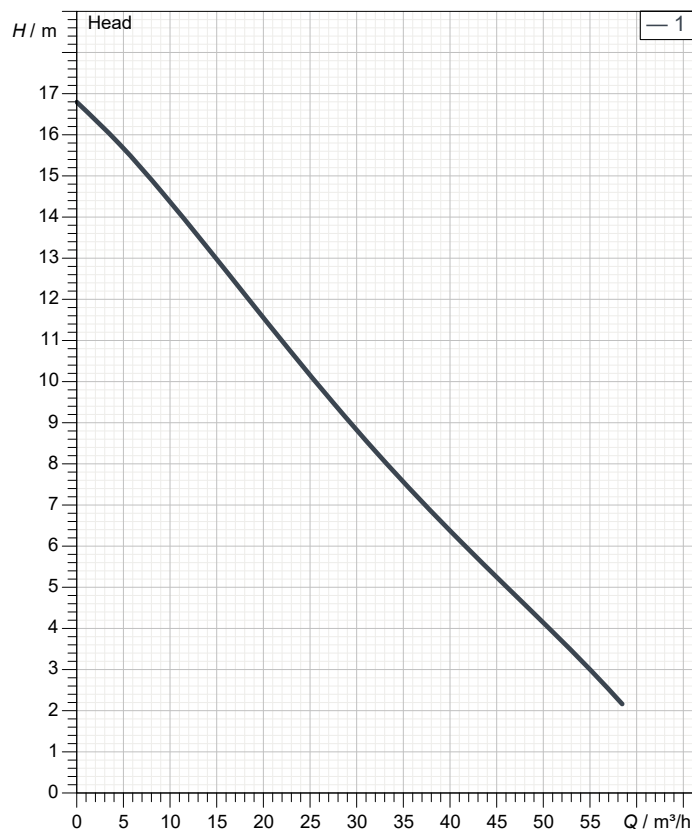


Data sheet 80B21.5-53



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



Specification

Electric submersible pump B-series
Degree of protection IP 68
Pressure resistance max. 15 m
Type of impeller single channel impeller
Free passage 40 mm
Suitable for:
sewage water

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 silicon carbide
Secondary seal
Ceramic on carbon

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller
Grey iron casting 250 (EN-GJL-250)
Pump casing FC200 (EN-GJL-200)
Suction cover FC200 (EN-GJL-200)
Motor Frame FC150 (EN-GJL-150)
Shaft DIN 1.4028 (EN-X30Cr13)

Discharge size

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

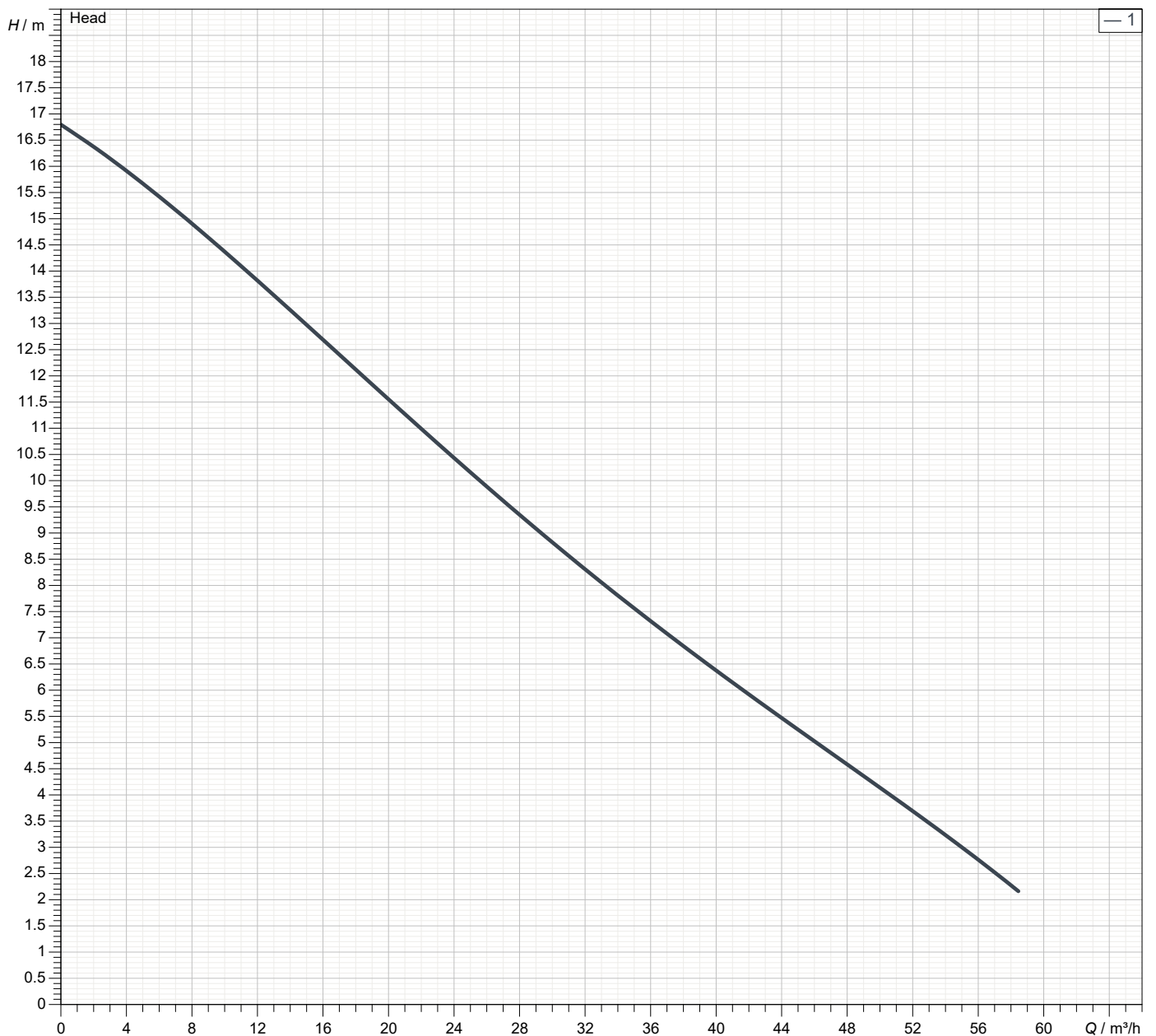
Weight

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

Performance curve

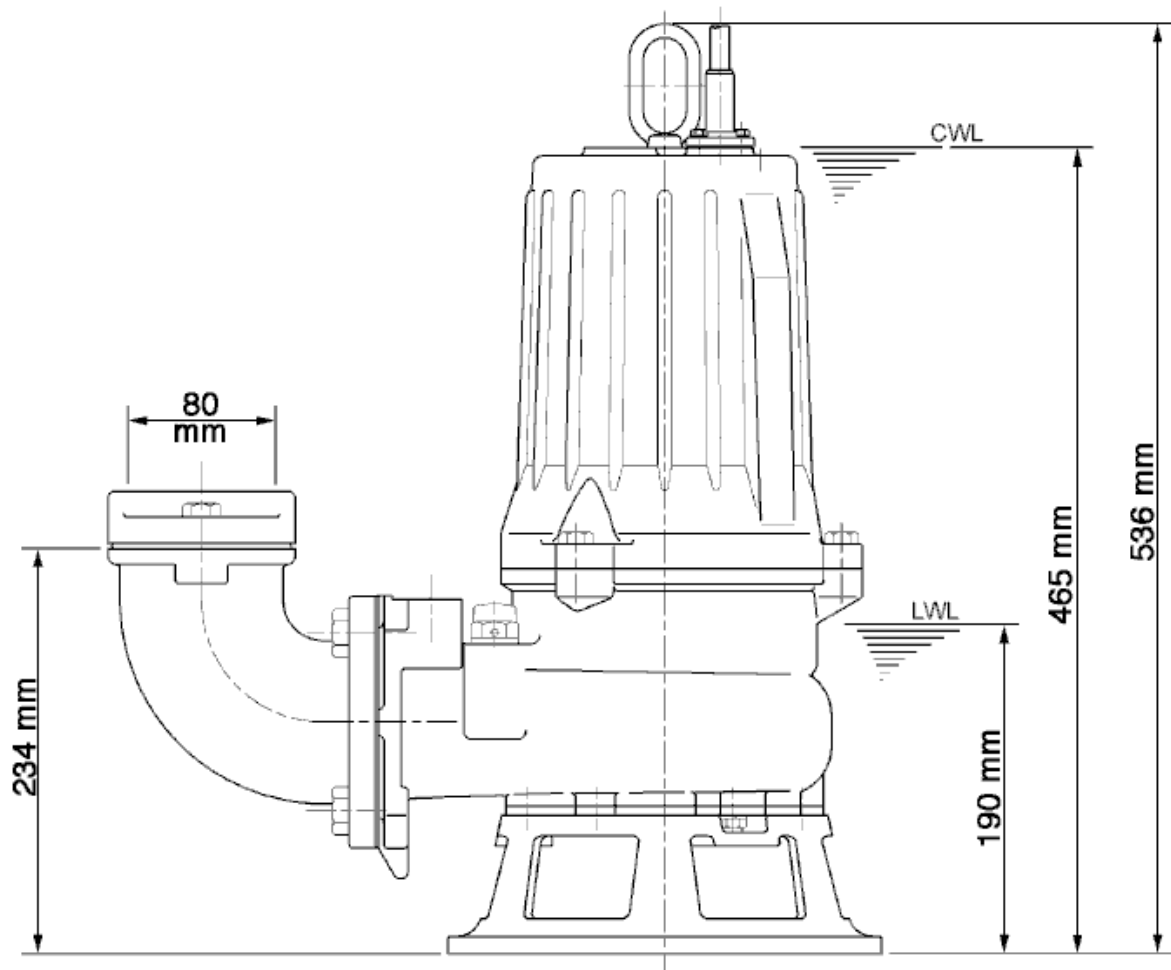
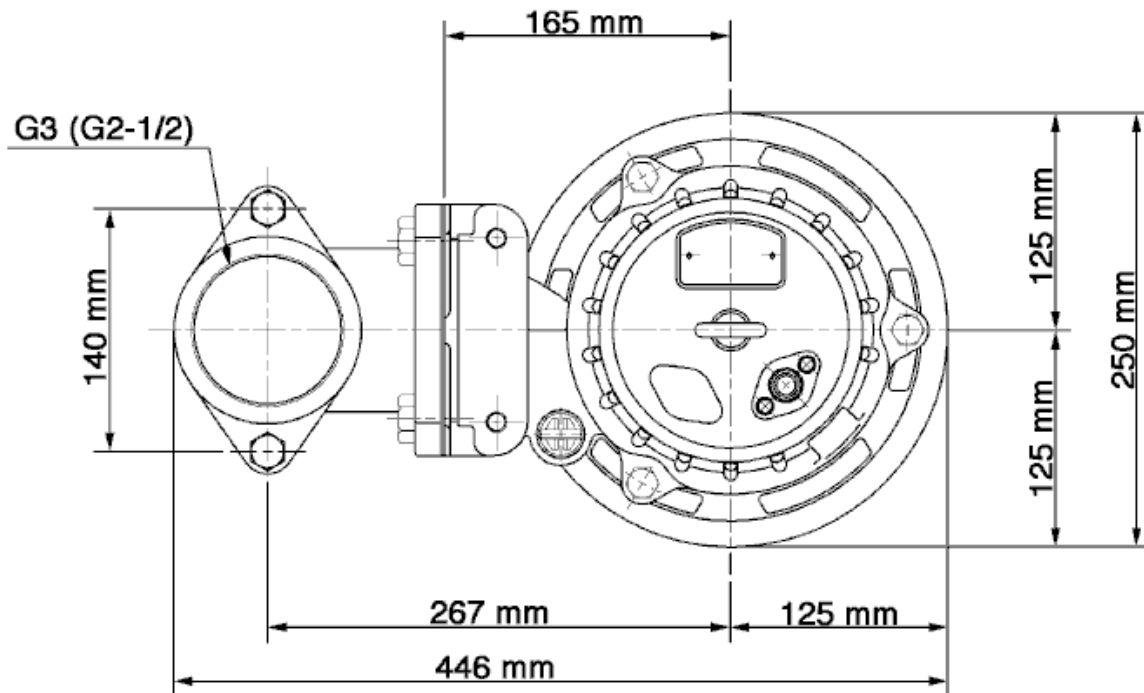
80B21.5-53

Discharge port	3"
Head	16.8 m
Flow	58.5 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

80B21.5-53

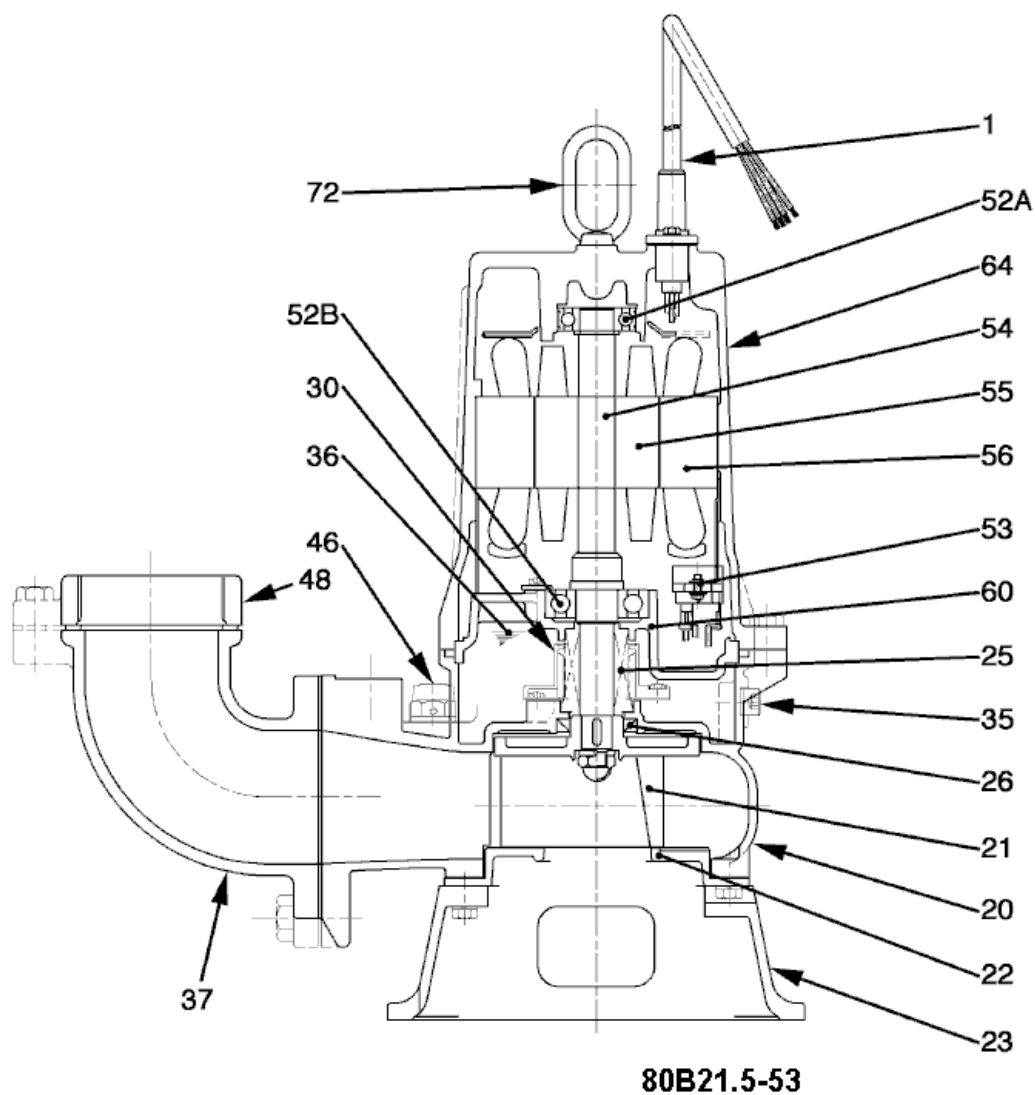


80B21.5-53

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

Sectional drawing

80B21.5-53



80B21.5-53

No.	Description	Remark	No.	Description	Remark
1	Cable	NSSHÖU	54	Shaft	DIN 1.4028 (EN-X30Cr13)
20	Pump casing	FC200 (EN-GJL-200)	55	Rotor	.
	Impeller	Grey iron casting 250 (EN-GJL-250)	56	Stator	.
22	Suction cover	FC200 (EN-GJL-200)	60	Bearing Housing	FC150 (EN-GJL-150)
23	Stand	FCD45 (EN-GJS-450-10)	64	Motor Frame	FC150 (EN-GJL-150)
25	Mechanical seal	H-20A	72	Eye screw	DIN 1.4301 (EN-X5CrNi 18-10)
26	Oil seal	TC32488			
30	Oil distributor	Plastic			
35	Oil screw	DIN 1.4301 (EN-X5CrNi 18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
37	Discharge bend	FC200 (EN-GJL-200)			
46	Air vent valve	Nylon			
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)			