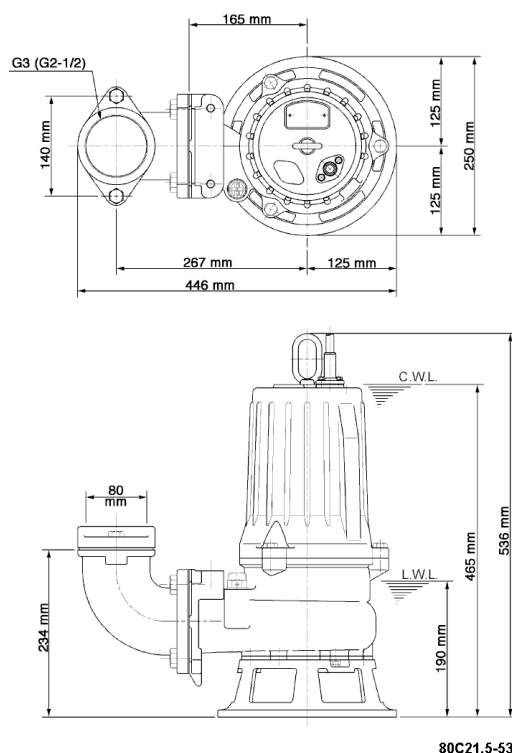
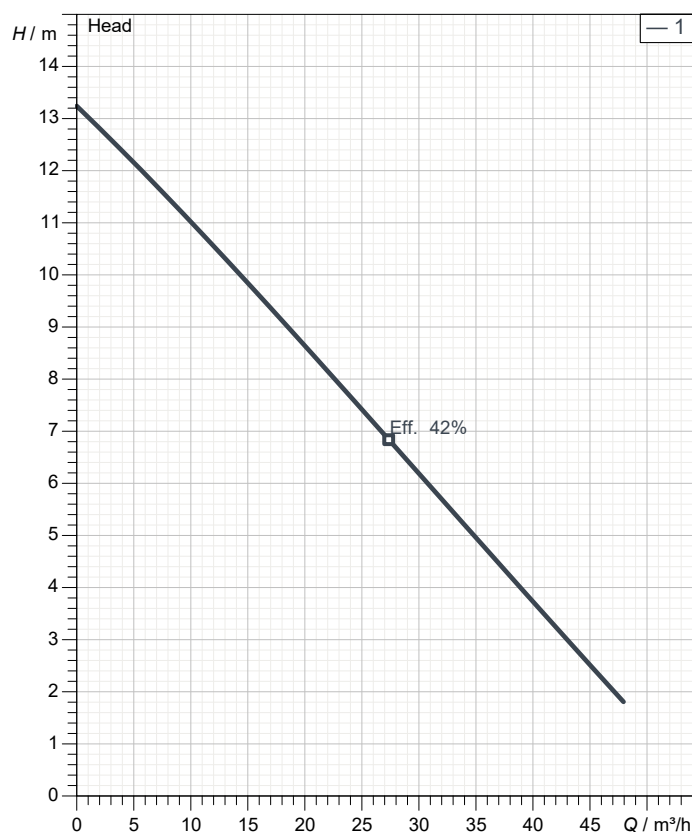


Data sheet 80C21.5-53



80C21.5-53

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



Specification

Electric submersible pump C-series
Degree of protection IP 68
Pressure resistance max. 15 m
Type of impeller single channel impeller
Free passage 37 mm
Suitable for:
sewage water and liquids carrying solids

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

Miniature protector in windings
(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
Silicon carbide on silicon carbide

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller
Grey iron casting 250 (EN-GJL-250) + Tungsten carbide tip
Pump casing FC200 (EN-GJL-200)
Suction cover FCD700 (EN-GJS-700-2)
Motor Frame FC150 (EN-GJL-150)
Shaft SUS420J2 (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

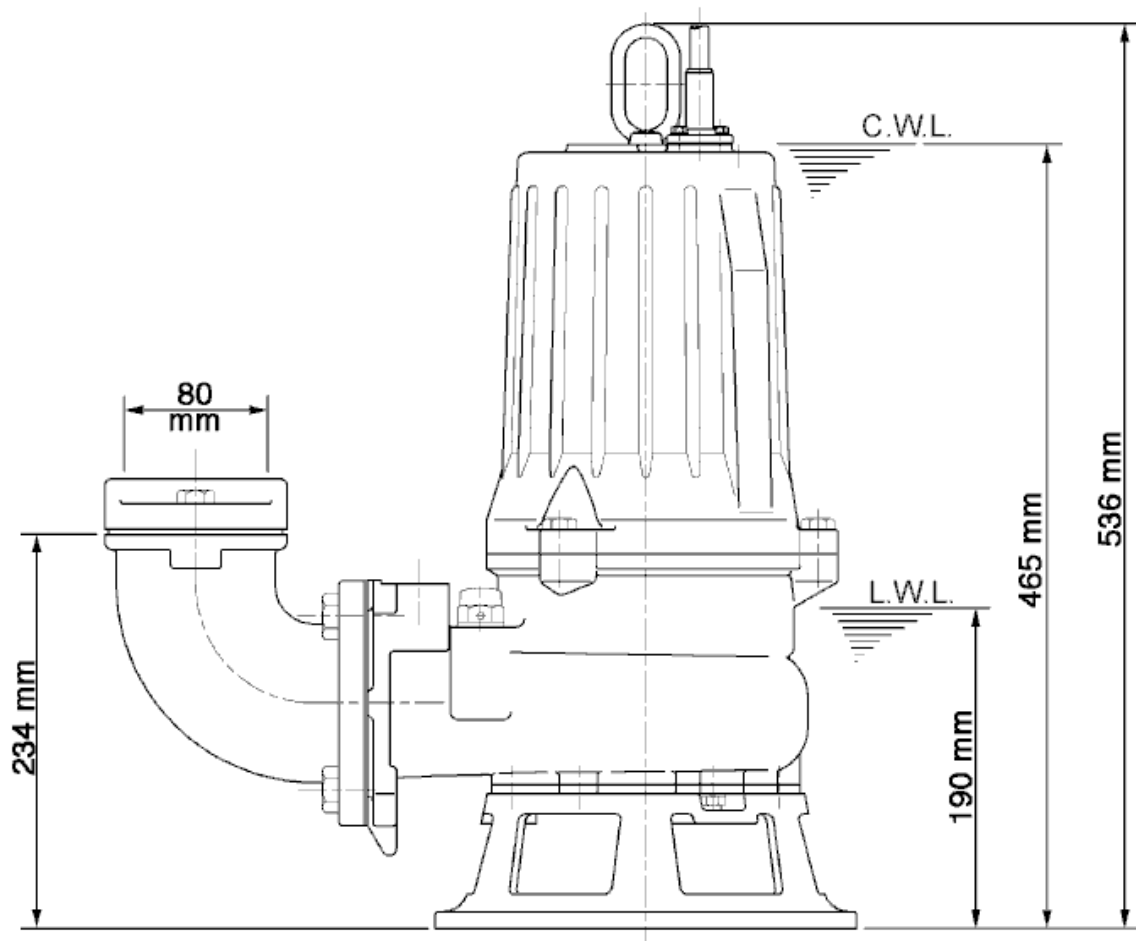
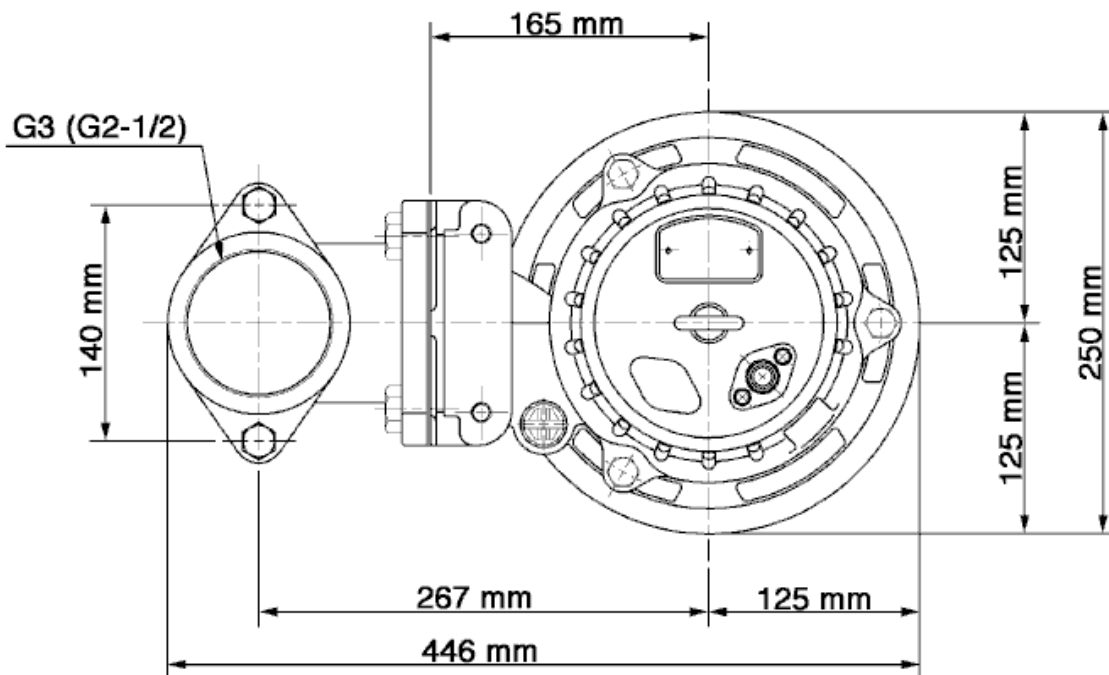
80C21.5-53

Discharge port	3"
Head	13.2 m
Flow	47.9 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

80C21.5-53



80C21.5-53

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



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2025-09-01

V.01.02.2025

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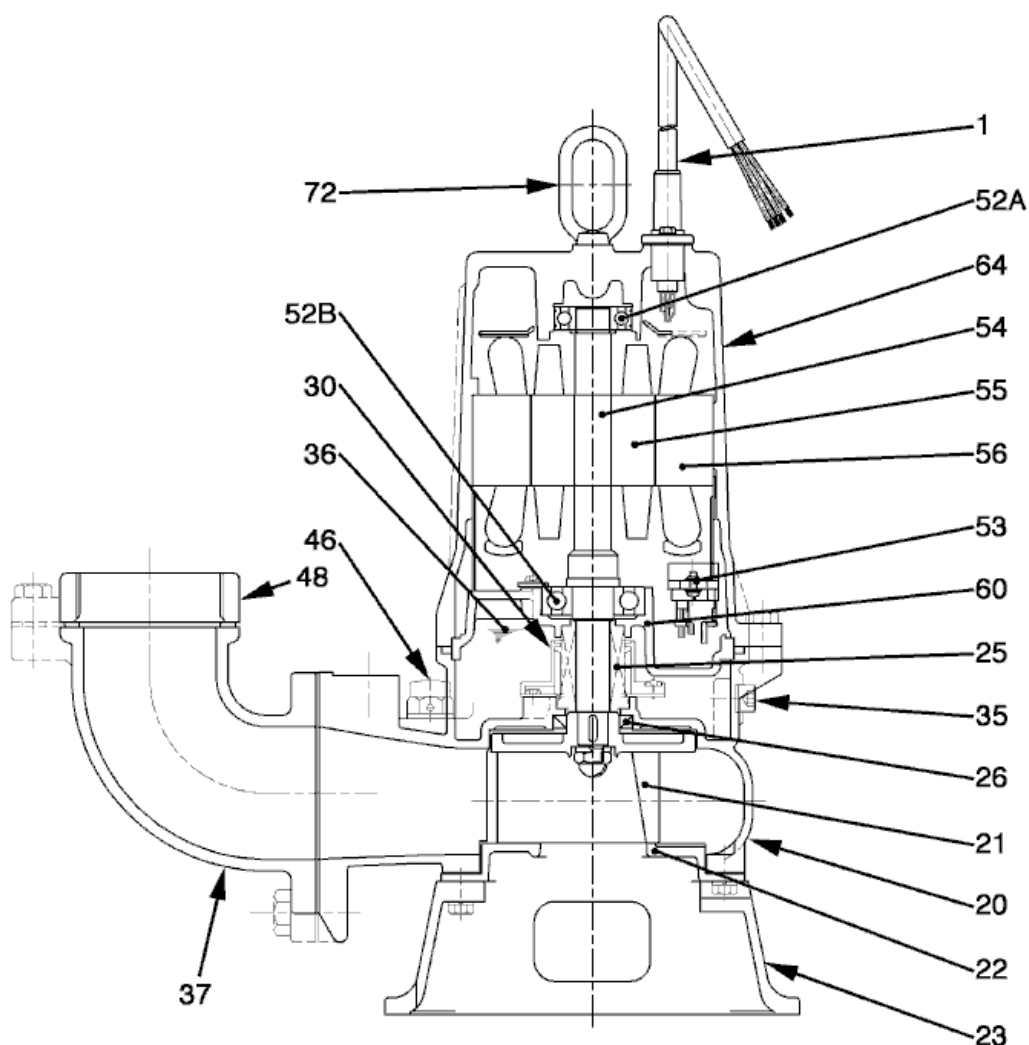
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Sectional drawing

80C21.5-53



80C21.5-53

No.	Description	Remark	No.	Description	Remark
1	Cable	NSSHÖU	54	Shaft	SUS420J2 (EN-X30Cr13)
20	Pump casing	FC200 (EN-GJL-200)	55	Rotor	.
21	Impeller	Grey iron casting 250 (EN-GJL-250) + Tungsten carbide tip	56	Stator	.
22	Suction cover	FCD700 (EN-GJS-700-2)	60	Bearing Housing	FC150 (EN-GJL-150)
23	Stand support	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			
30	Oil distributor	Plastic			
35	Oil screw	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
37	Discharge bend	FC200 (EN-GJL-200)			
46	Air vent screw	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)			