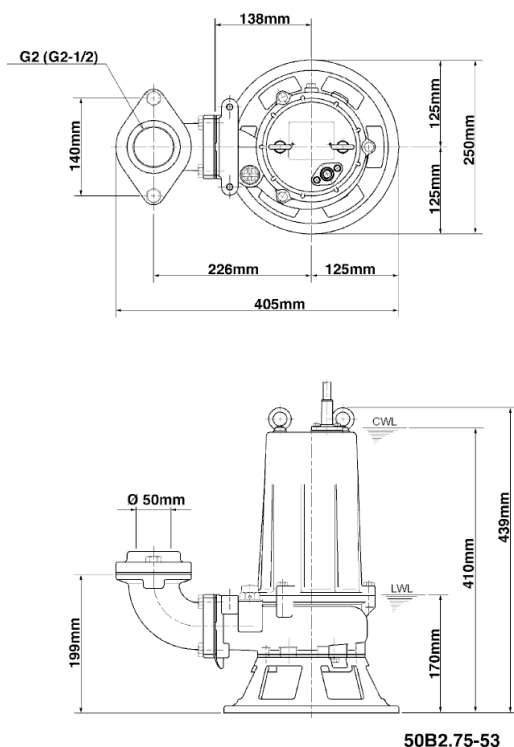
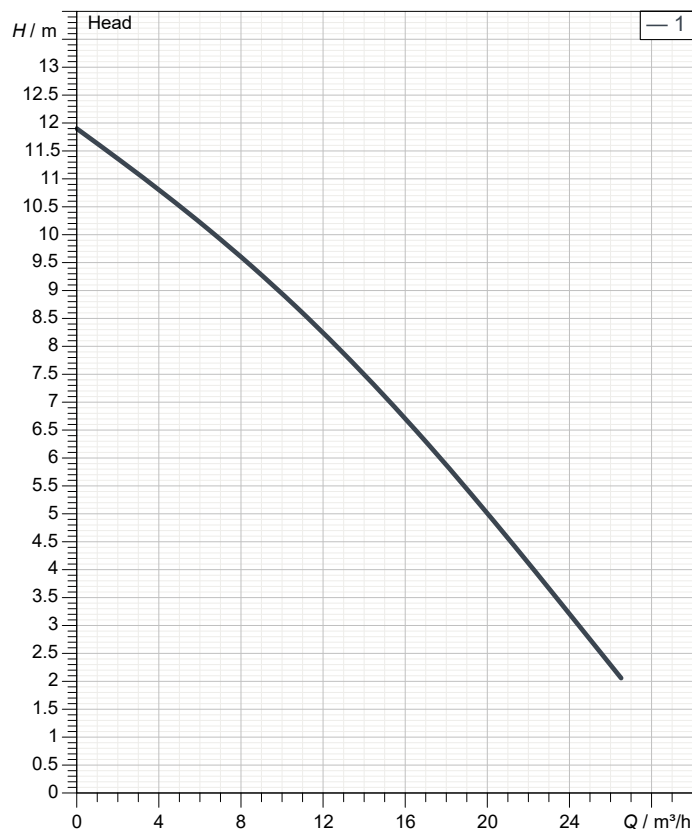


Data sheet 50B2.75-53



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 20 mm
Suitable for:
sewage water

Electric motor

Dry-type submersible induction motor
Insulation class E 2Poles 2810 1/min
Starting mode Direct starting
Rated voltage 400 V 50 Hz 3~
Power uptake 1.14 kW
Rated power 0.75 kW
Rated current 1.9 A
Start current 8.5 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
FC200 (EN-GJL-200)
Pump casing
FC200 (EN-GJL-200)
Suction cover
FC200 (EN-GJL-200)
Motor Frame
FC150 (EN-GJL-150)
Shaft
SUS403 (EN-X6Cr13)

Discharge size

2" (50mm) special flange / inside thread
guide rail fitting optional

Weight

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

Performance curve

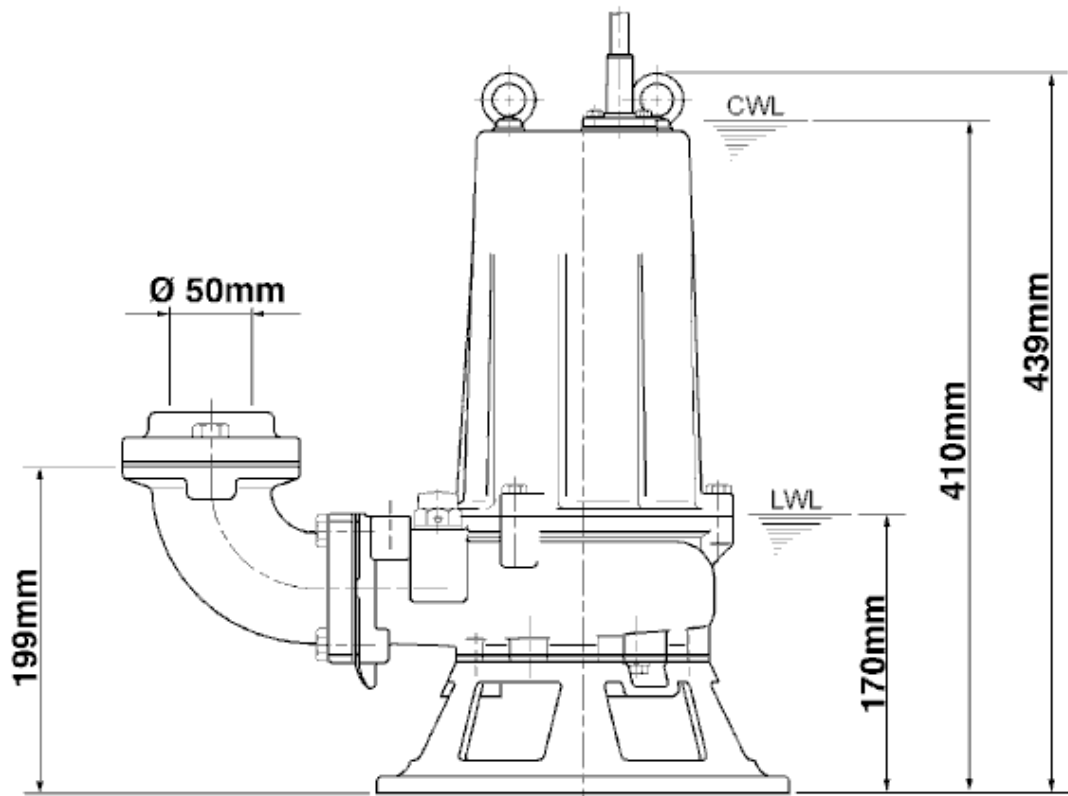
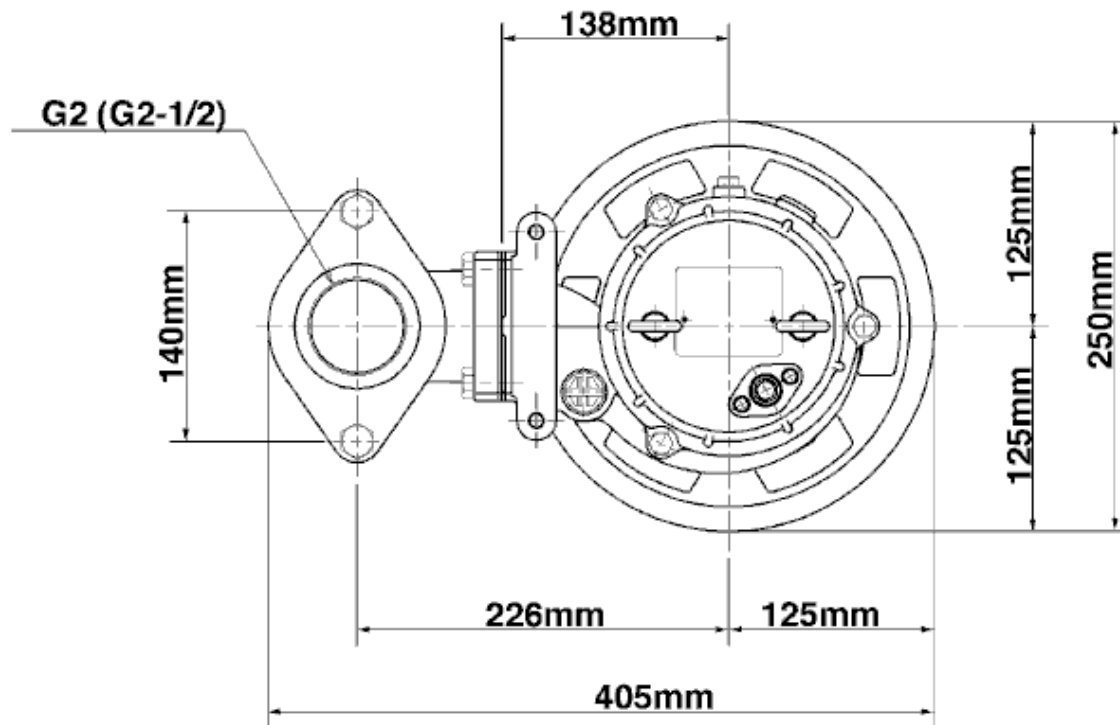
50B2.75-53

Discharge port	2"
Head	11.9 m
Flow	26.5 m³/h
Rated power	0.75 kW
Power input	1.14 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	1.9 A
Starting current	8.49 A
Number of poles	2
Speed	2810 1/min
Starting mode	Direct starting
Insulation class	E



Dimensions

50B2.75-53



50B2.75-53

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



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2025-03-03

V.01.02.2025

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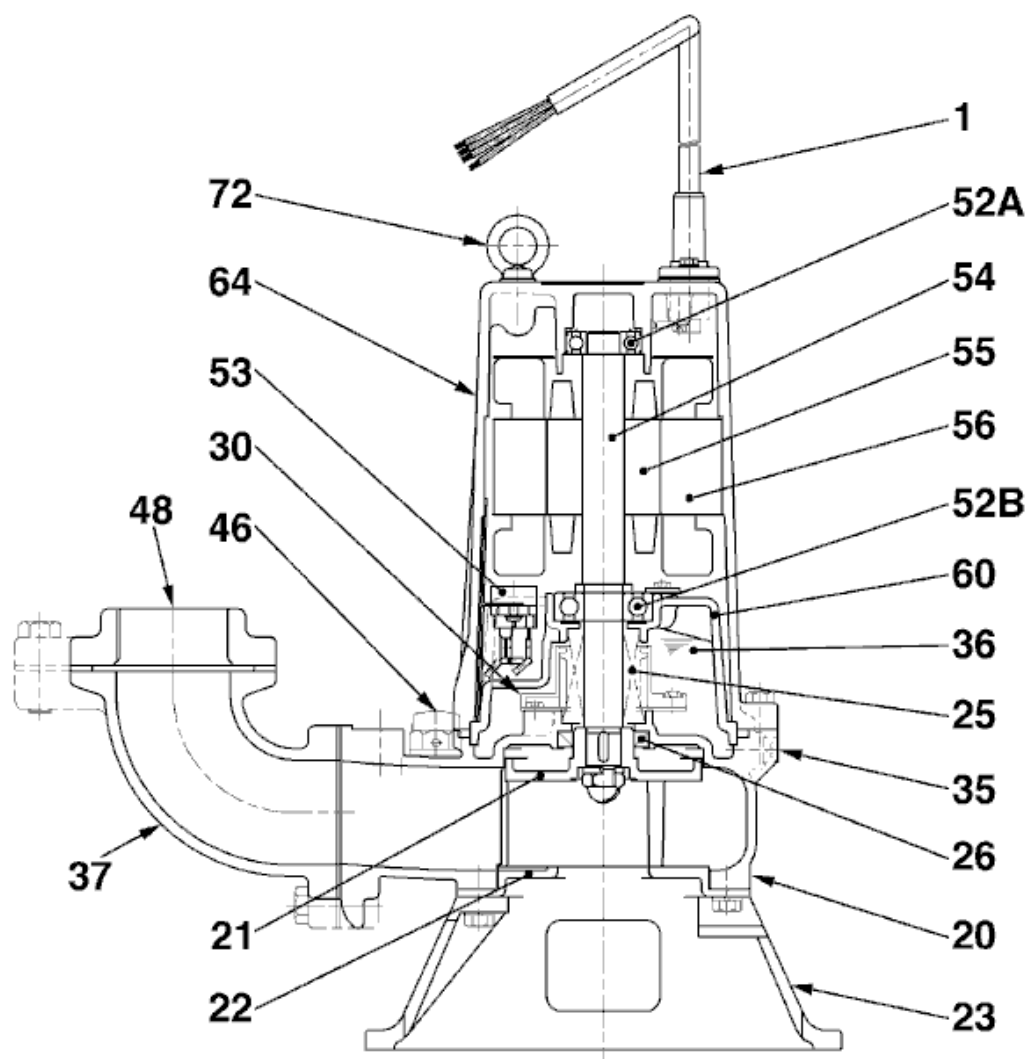
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Sectional drawing

50B2.75-53



50B2.75-53

No.	Description	Remark	No.	Description	Remark
1	Cable	NSSHÖU	54	Shaft	SUS403 (EN-X6Cr13)
20	Pump casing	FC200 (EN-GJL-200)	55	Rotor	.
21	Impeller	FC200 (EN-GJL-200)	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 (2x)	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	6203ZZC3			
52B	Lower bearing	6304ZZC3			
53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)			