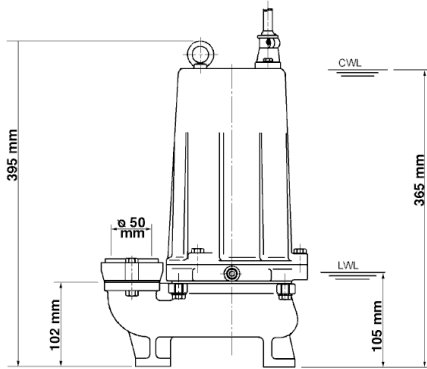
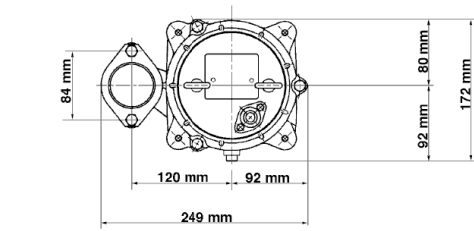
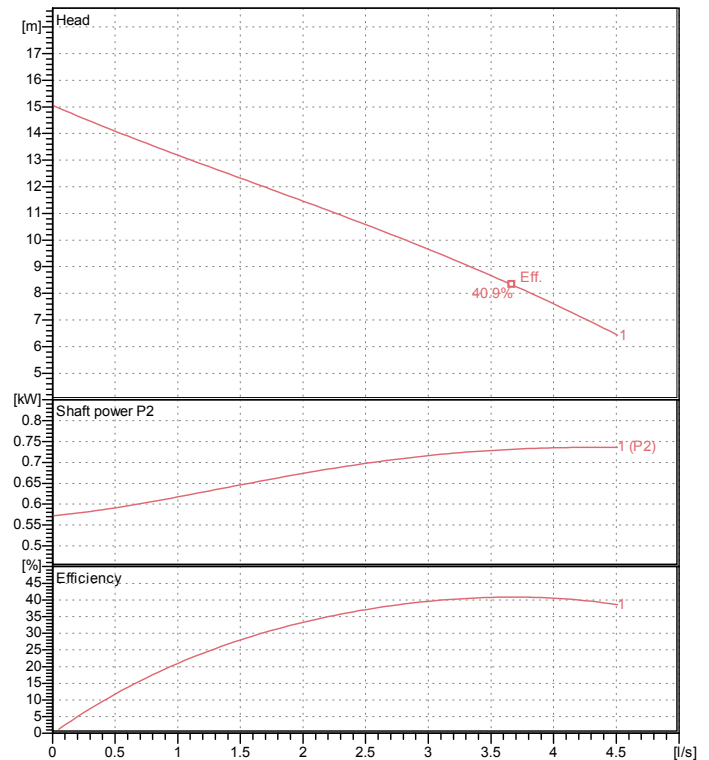


Data sheet 50U2.75-53



50U2.75-53

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



Specification

Electric submersible pump
Degree of protection IP 68
Depth of submersion max. 20 m
Type of impeller Vortex impeller
Free passage 35 mm
Suitable for:
waste water and liquid carrying

Electric motor

Dry-type submersible induction motor
Insulation class E 2Poles 2810 1/min
Starting mode Directly
Rated voltage 400 V 50 Hz 3~
Power uptake 1.23 kW
Rated power 0.75 kW
Rated current 2.1 A
Start current 8.5 A

Cable

10m H07RN-F 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	Stainless steel SUS403

Discharge size

2" (50mm) screwed-in mating flange

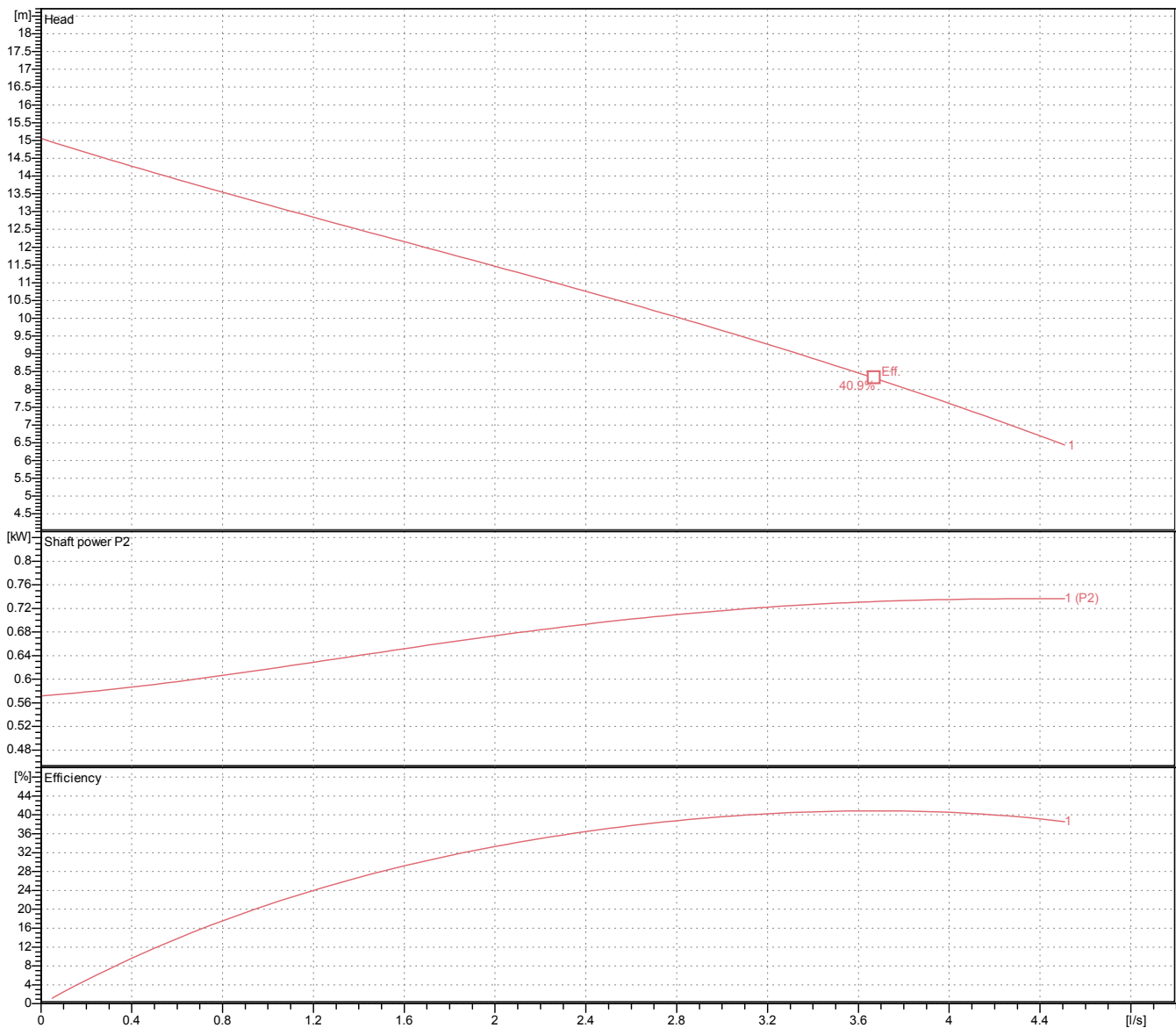
Weight

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

Performance curve

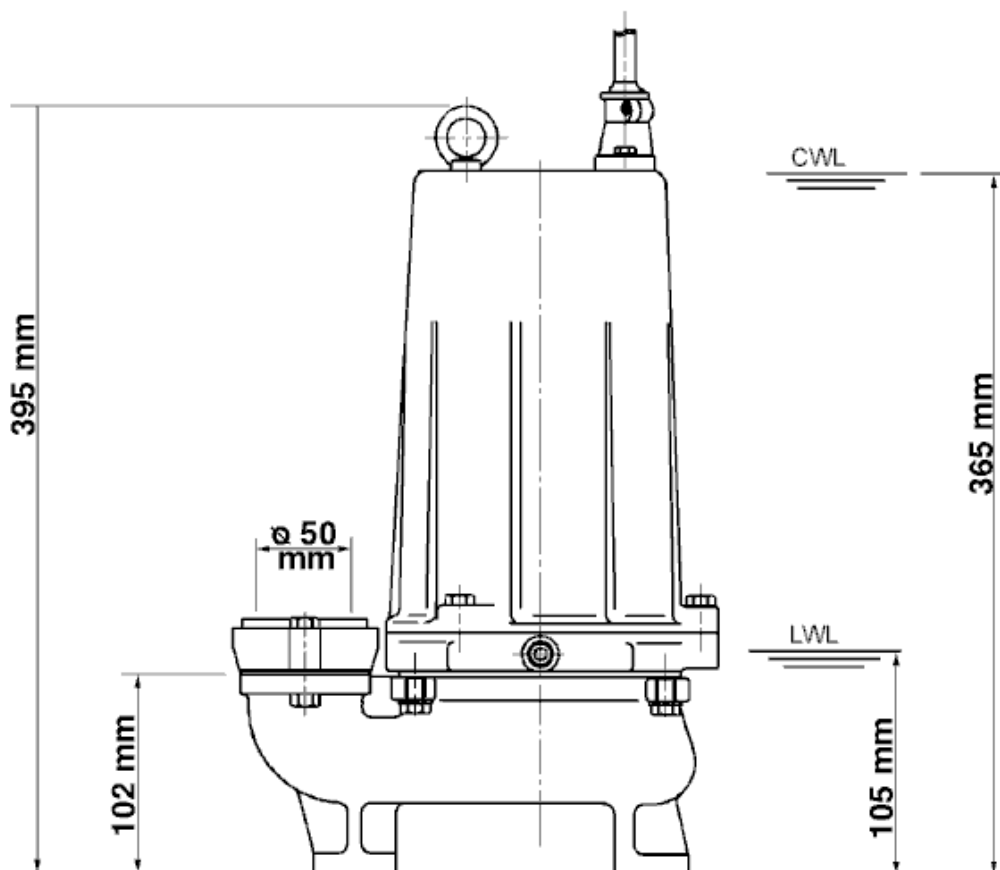
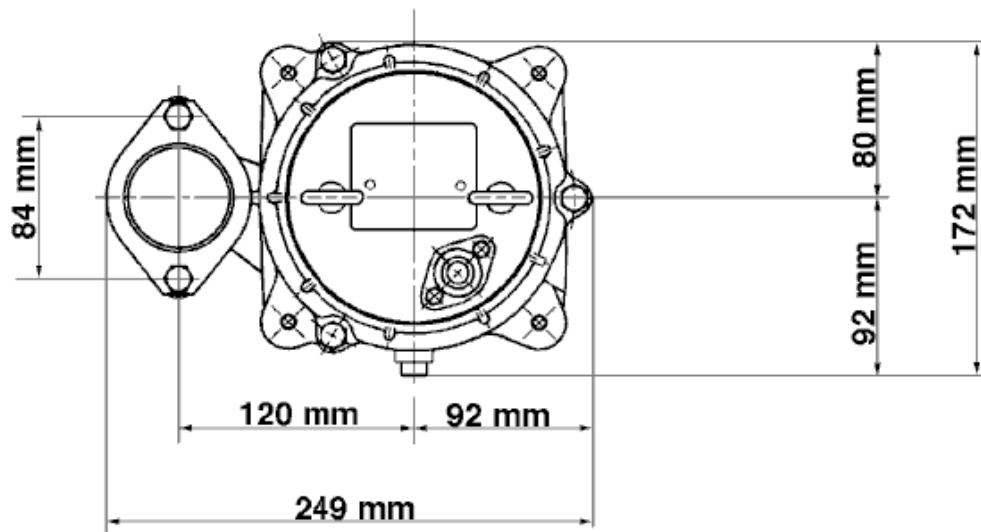
50U2.75-53

Discharge port	2"
Head	15.1 m
Flow	4.5 l/s
Rated power	0.75 kW
Power input	1.23 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	2.1 A
Starting current	8.51 A
Number of poles	2
Speed	2810 1/min
Starting mode	Directly
Insulation class	E



Dimensions

50U2.75-53



50U2.75-53

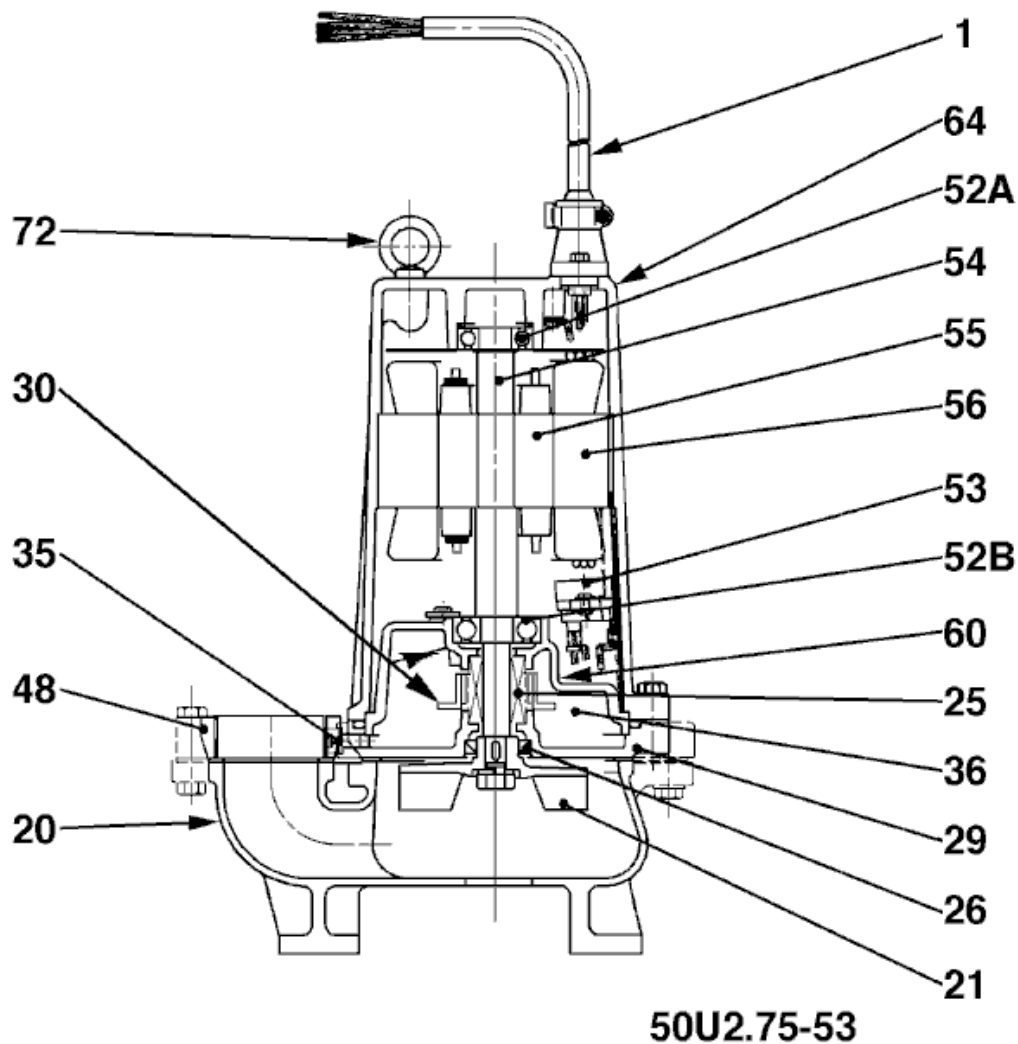
CWL: Continuous running water level
LWL: Lowest running water level



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24.08.2011

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Sectional drawing 50U2.75-53



No.	Denomination	Remark	No.	Denomination	Remark
1	Cable	H07RN-F	60	Bearing Housing	FC150 (EN-GJL-150)
20	Pump casing	FC200 (EN-GJL-200)	64	Motor Frame	FC150 (EN-GJL-150)
21	Impeller	FC200 (EN-GJL-200)	72	Eye screw (2x)	Stainless steel SUS304
25	Mechanical seal	W-14HL			
26	Oil seal	SC-22357			
29	Oil casing	FC150 (EN-GJL-150)			
30	Oil distributor	Plastic			
35	Oil screw	Stainless steel SUS304			
36	Lubricant	Turbine oil (ISO VG32)			
48	Screwed Flange	FC200 (EN-GJL-200)			
52A	Upper bearing	6203ZZC3			
52B	Lower bearing	6303ZZC3			
53	Motor Protector	.			
54	Shaft	Stainless steel SUS403			
55	Rotor	.			
56	Stator	.			