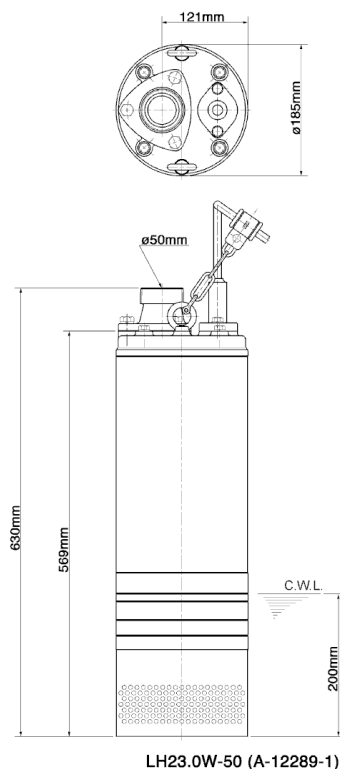
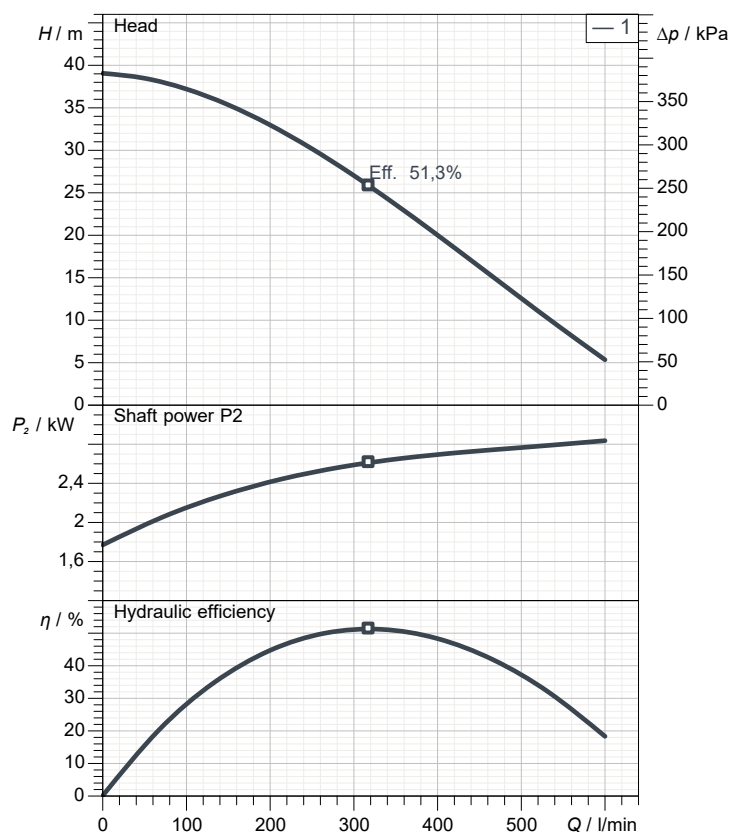


Data sheet LH23.0W-50



CWL: Continuous running water level



Specification

Electric submersible pump LHW-series
 Degree of protection IP 68
 Pressure resistance max. 25 m
 Type of impeller Closed
 Max. solid handling 6 mm
 Suitable for:
 rain water, ground water, sand water

Electric motor

Dry-type submersible induction motor
 Insulation class F 2Poles 2.820 1/min
 Starting mode Direct starting
 Rated voltage 400 V 50 Hz 3~
 Power uptake 3,87 kW
 Rated power 3,00 kW
 Rated current 6,5 A
 Start current 45,0 A

Cable

20m 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
 Silicon carbide on silicon carbide

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller (2x)	Chromium iron casting
Upper Pump casing	FCD45 (EN-GJS-450-10)
Middle Pump casing	FCD45 (EN-GJS-450-10)
Motor Frame	Grey iron casting
Shaft	SUS420J2 (EN-X30Cr13)

Discharge size

2" (50mm) BS-Coupling (threaded flange)

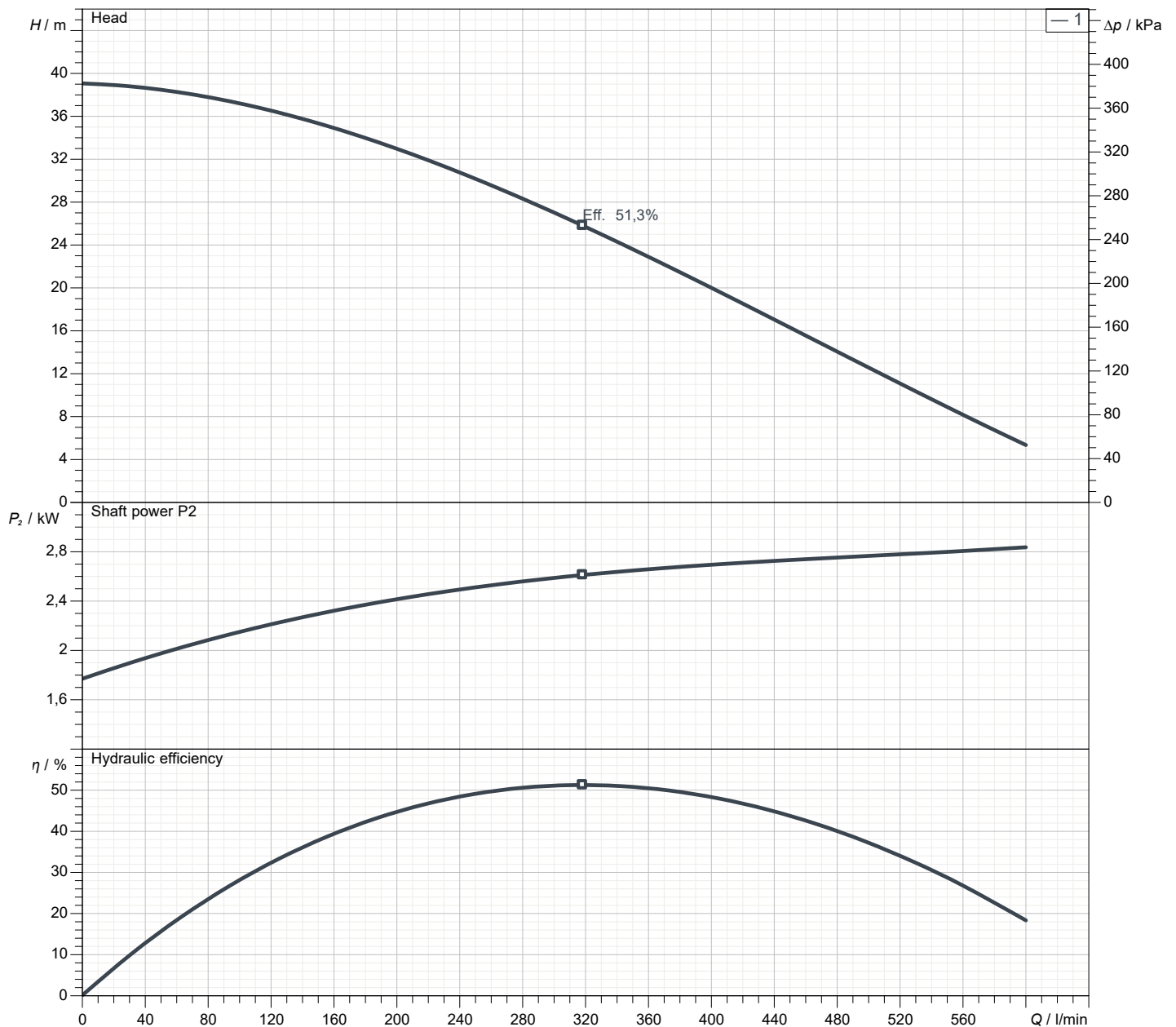
Weight

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

Performance curve

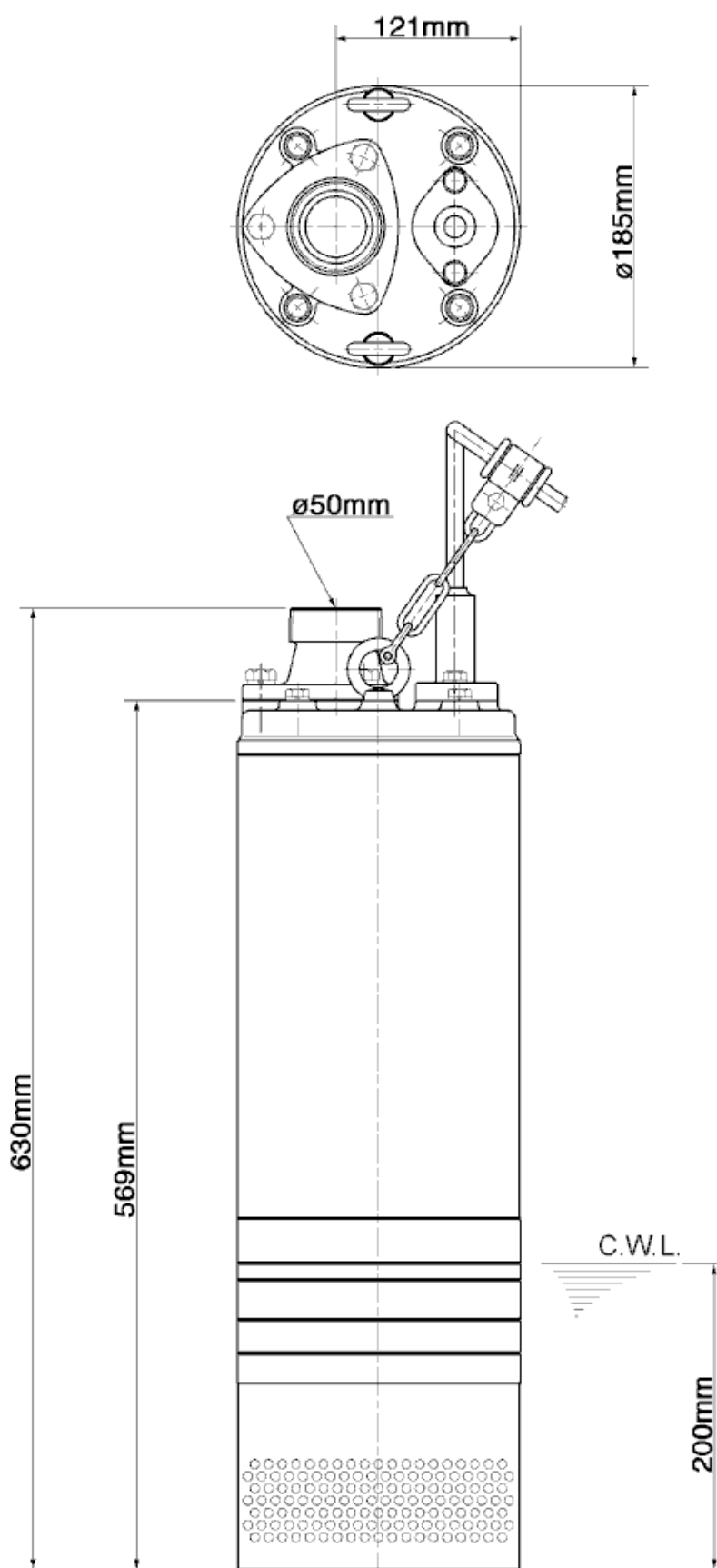
LH23.0W-50

Discharge port	2"
Head	39,1 m
Flow	600,0 l/min
Rated power	3,00 kW
Power input	3,87 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	6,5 A
Starting current	44,98 A
Number of poles	2
Speed	2.820 1/min
Starting mode	Direct starting
Insulation class	F



Dimensions

LH23.0W-50



LH23.0W-50 (A-12289-1)

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



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2024-08-12

V.01.02.2023

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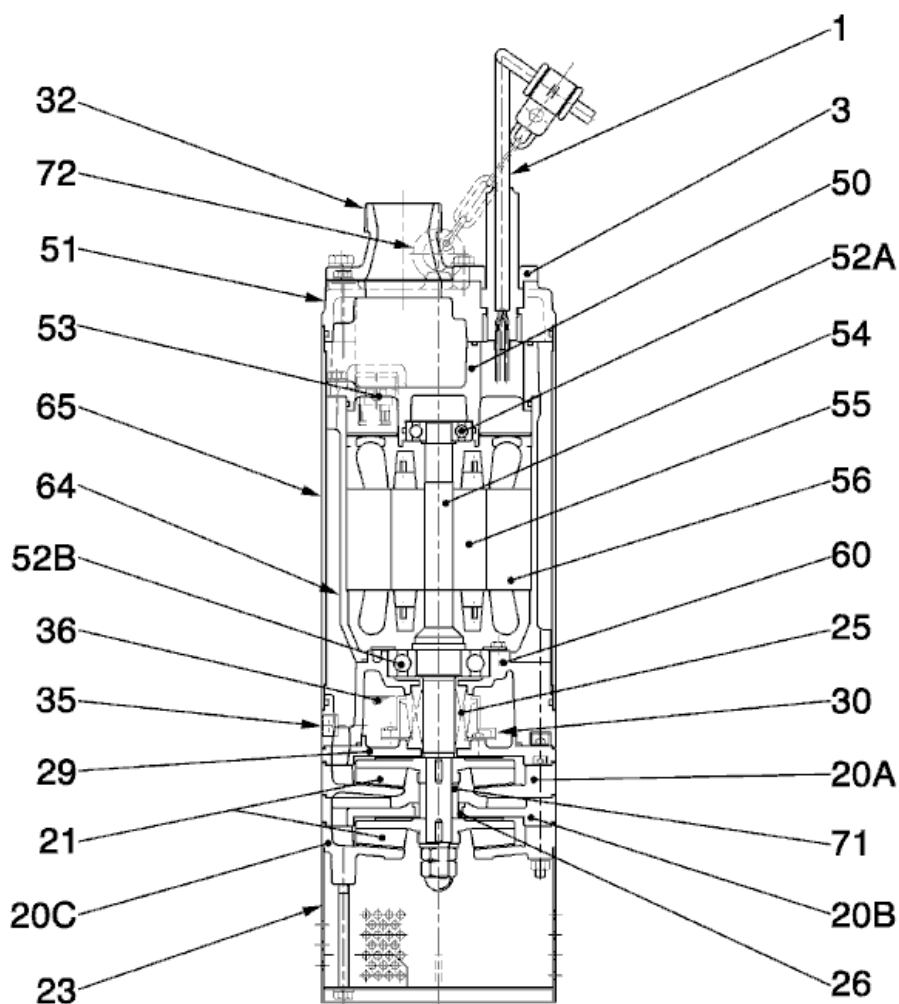
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Sectional drawing

LH23.0W-50



LH23.0W-50 (A-12293-1)

No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	52A	Upper bearing	6304ZZC3
3	Gland	Grey iron casting	52B	Lower bearing	6307ZZC3
20A	Upper Pump casing	FCD45 (EN-GJS-450-10)	53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)
20B	Middle Pump casing	FCD45 (EN-GJS-450-10)	54	Shaft	SUS420J2 (EN-X30Cr13)
20C	Lower Pump casing	FCD45 (EN-GJS-450-10)	55	Rotor	.
21	Impeller (2x)	Chromium iron casting	56	Stator	.
23	Strainer	Steel plate	60	Bearing Housing	Grey iron casting
25	Mechanical seal	H-25T	64	Motor Frame	Grey iron casting
26	Wear Ring	SUS304 (EN-X5CrNi18-10)	65	Outer Cover	Steel plate
29	Oil casing	Nodular graphite iron	71	Shaft protection sleeve	SUS403 (EN-X6Cr13)
30	Oil distributor	Plastic	72	Eye screw (2x)	SUS304 (EN-X5CrNi18-10)
32	Hose coupling	Nodular graphite iron			
35	Oil plug	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
50	Motor cover	Grey iron casting			
51	Main cover	Grey iron casting			