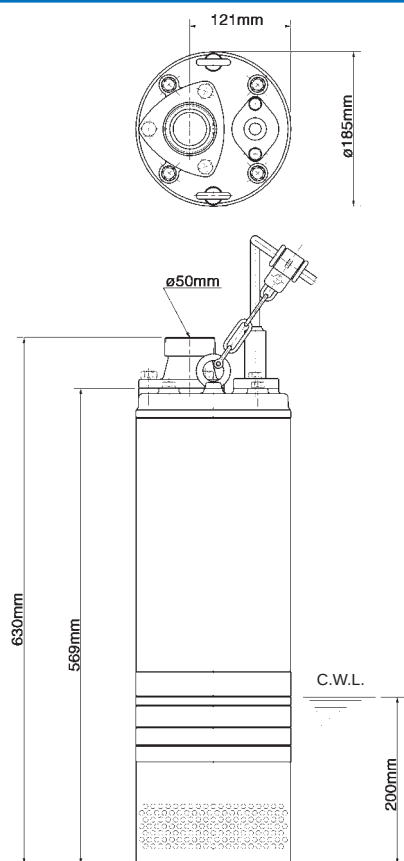
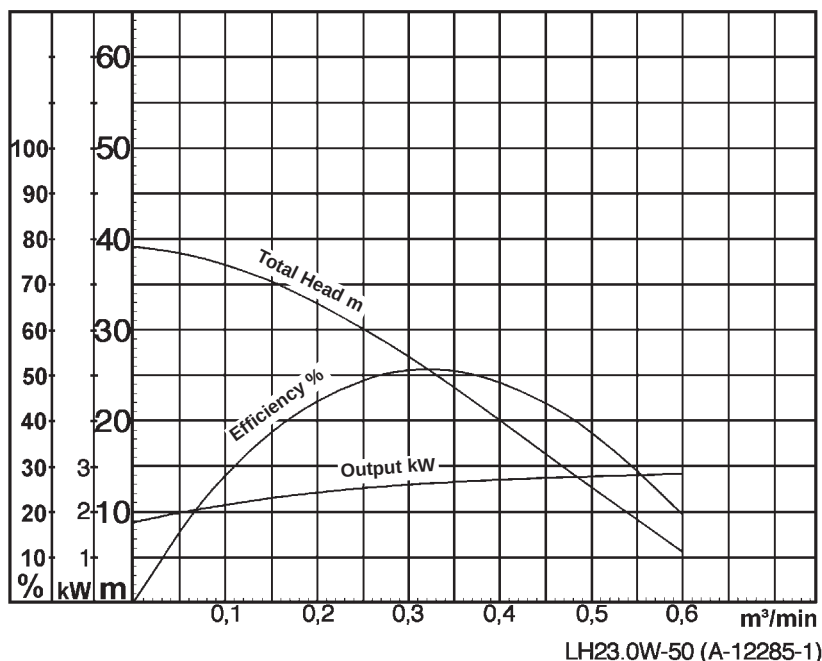


Data Sheet LH23.0W-50



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

C.W.L. = Continuous running water level



Classification

Electric submersible pump
Protection class IP68
Depth of submersion max. 50m
2 Closed type impeller
Max. solid handling 6mm
Suitable for rain water, ground water, sand carrying water

Electric Motor

Dry-type submersible induction motor,
Insulation class F, 2 poles, 2820 r.p.m.
Direct on line start
Voltage: 400V, 50Hz, 3-phase
Power input: 3,87kW
Power output: 3,00kW
Nominal current: 6,5A
Start current: 45,0A

Electric Cable

20m H07RN-F 4Cx1,5mm²

Motor Protection

Circle thermal protector
(snap-action bi-metal device)

Shaft Seal

Double 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

Impellers:	Chromium iron casting
Casing:	Ductile iron casting
Labyrinth ring:	SUS304 (EN-X5CrNi18-10)
Motor bracket:	Grey iron casting
Shaft:	SUS420J2 (EN-X30Cr13)

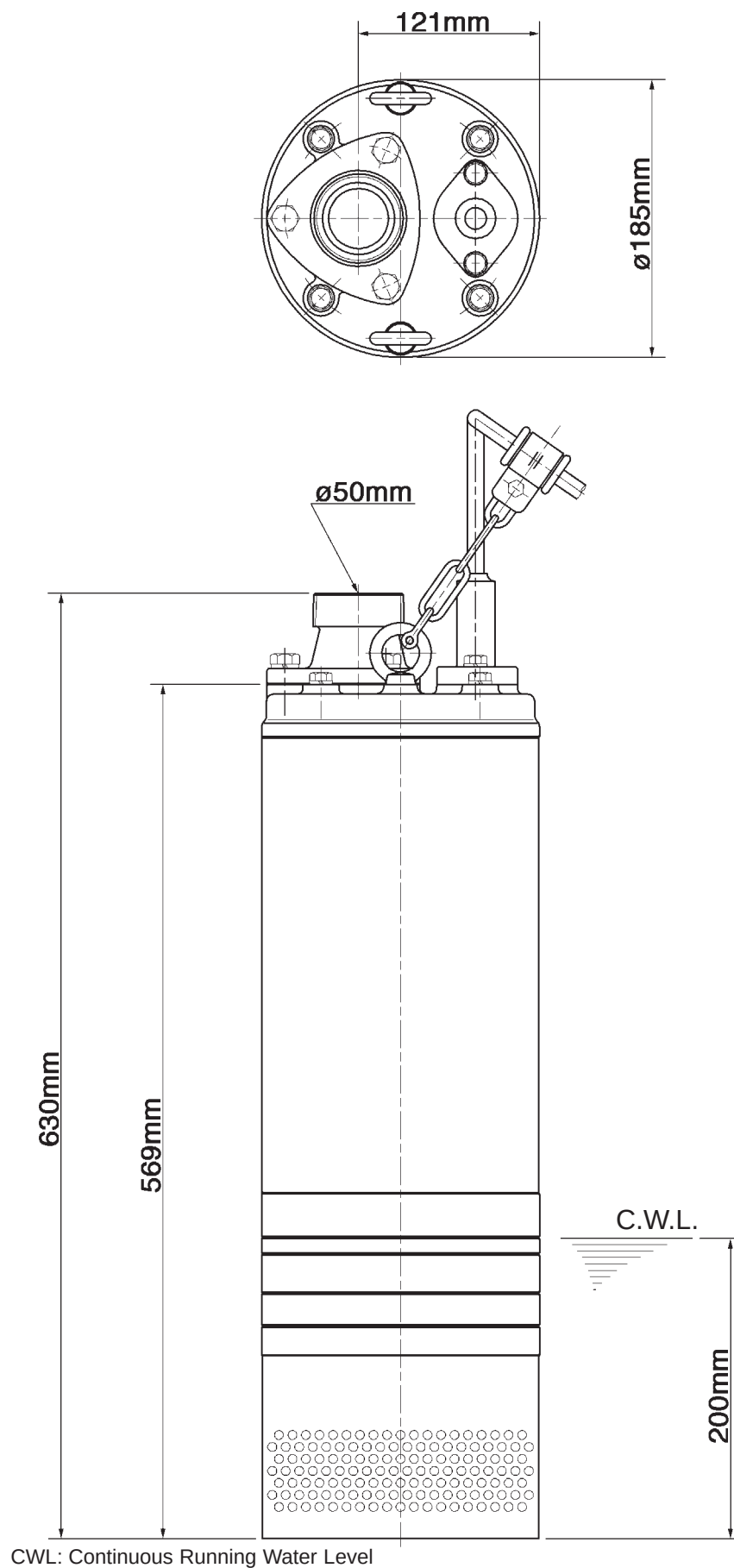
Discharge Connection

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

Weight

46 kg (dry weight of the pump without cable)

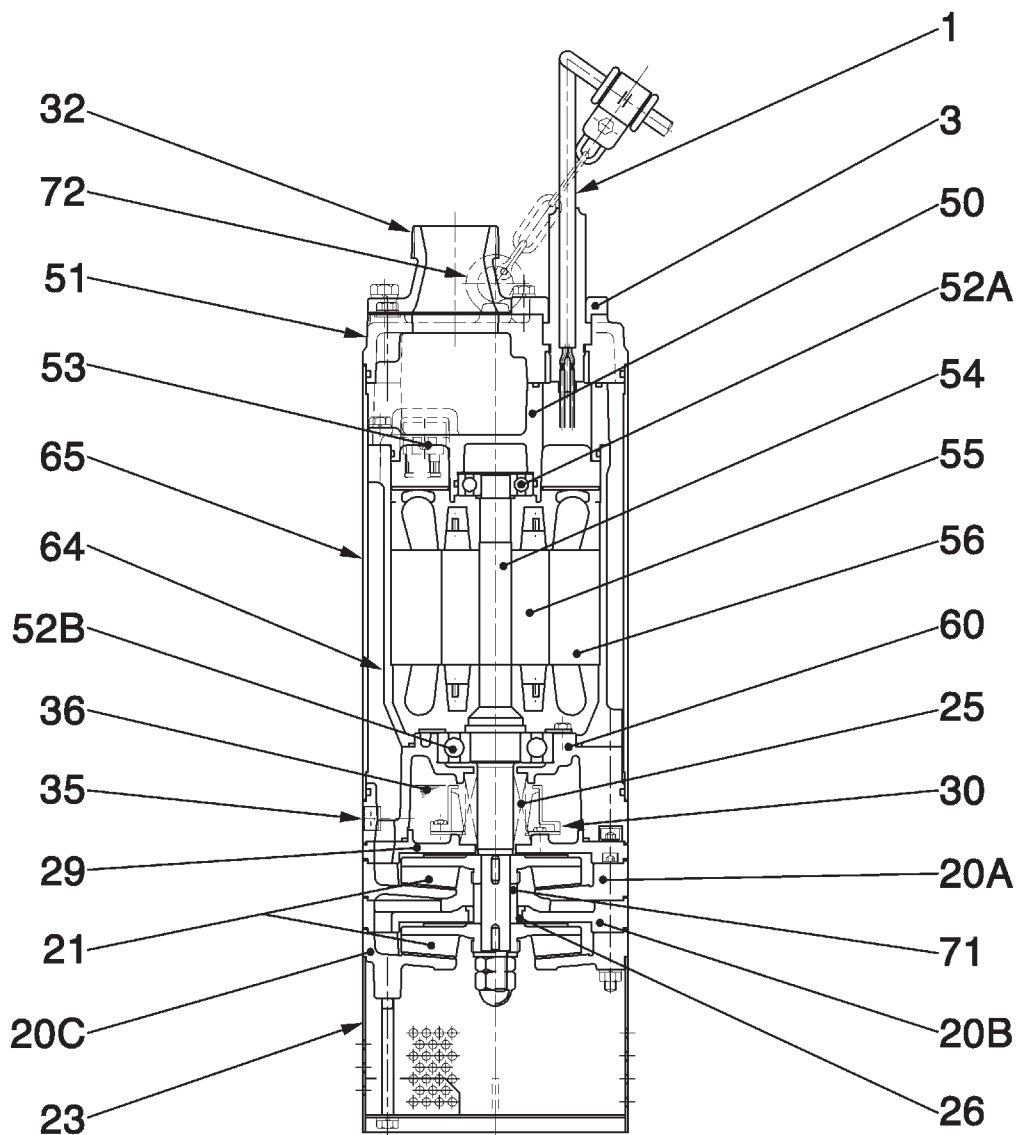
Dimensional Drawing LH23.0W-50



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

Sectional Drawing

LH23.0W-50



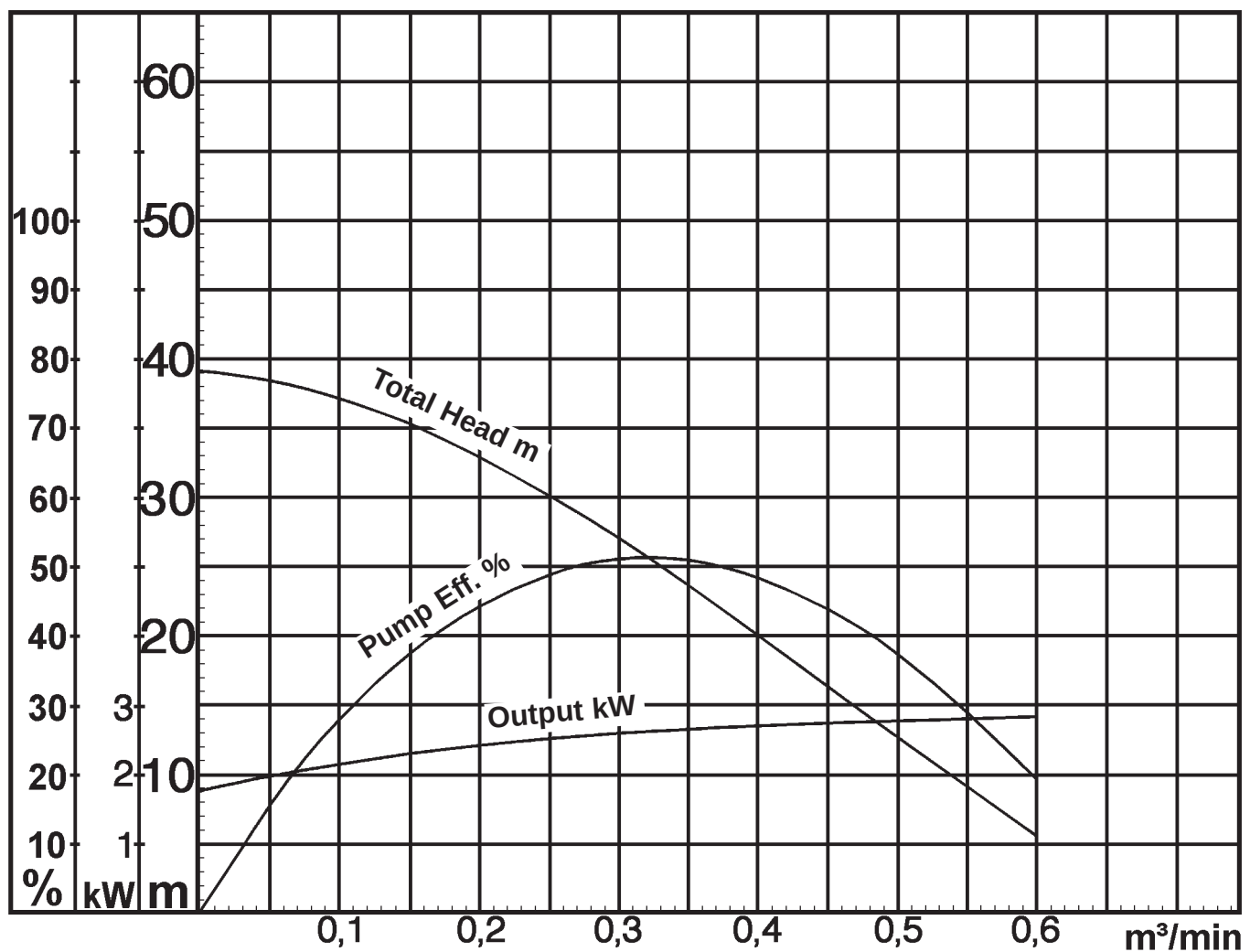
LH23.0W-50 (A-12293-1)

No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	1	20m H07RN-F 4Cx1,5mm ²	52A	Upper Bearing	1	6304ZZC3
3	Gland	1	Grey iron casting	52B	Lower Bearing	1	6307ZZC3
20A	Upper Pump Casing	1	Ductile Iron Casting	53	Motor Protector	1	
20B	Middle Pump Casing	1	Ductile Iron Casting	54	Shaft	1	SUS420J2 (EN X30Cr13)
20C	Lower Pump Casing	1	Ductile Iron Casting	55	Rotor	1	
21	Impeller	2	Chromium Iron Casting HiCrFC	56	Stator	1	
23	Strainer Stand	1	Steel Plate	60	Bearing Housing	1	Grey Iron Casting
25	Mechanical Seal	1	H-25T	64	Motor Frame	1	Grey Iron Casting
26	Labyrinth Ring	1	SUS304 (EN X5CrNi18-10)	65	Outer Cover	1	Steel Plate
29	Oil Casing	1	Ductile Iron Casting	71	Shaft Sleeve	1	SUS403 (EN X6Cr13)
30	Oil Lifter	1	Plastic	72	Eyebolt	2	SUS304 (EN X5CrNi18-10)
32	Hose Coupling	1	Ductile Iron Casting				
35	Oil Plug	1	SUS304 (EN X5CrNi18-10)				
36	Lubricant		Turbine Oil ISO VG32				
50	Motor Bracket	1	Grey Iron Casting				
51	Head Cover	1	Grey Iron Casting				

Pump Performance Curve

LH23.0W-50

Discharge Bore	50 mm
Total Head	32 m
Capacity	0,2 m ³ /min
Motor Output	3,00 kW
Motor Input	3,87 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	6,5 A
Starting Current	45 A
Poles	2
Revolution	S.S. 2820 r.p.m.
Starting Method	direct on line
Insulation Class	F



LH23.0W-50 (A-12285-1)