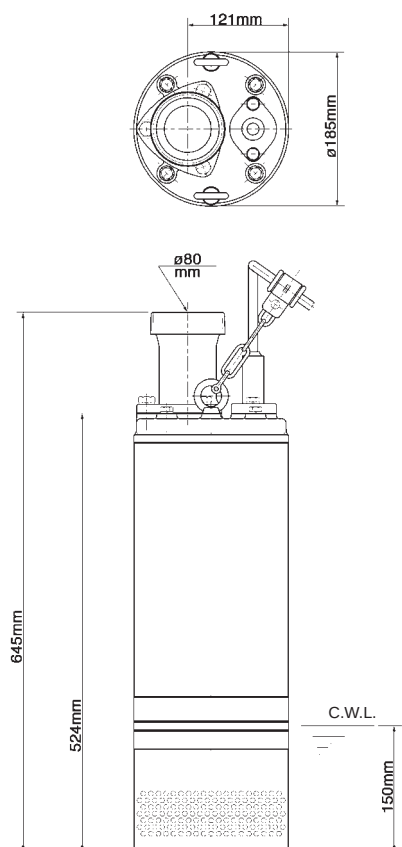
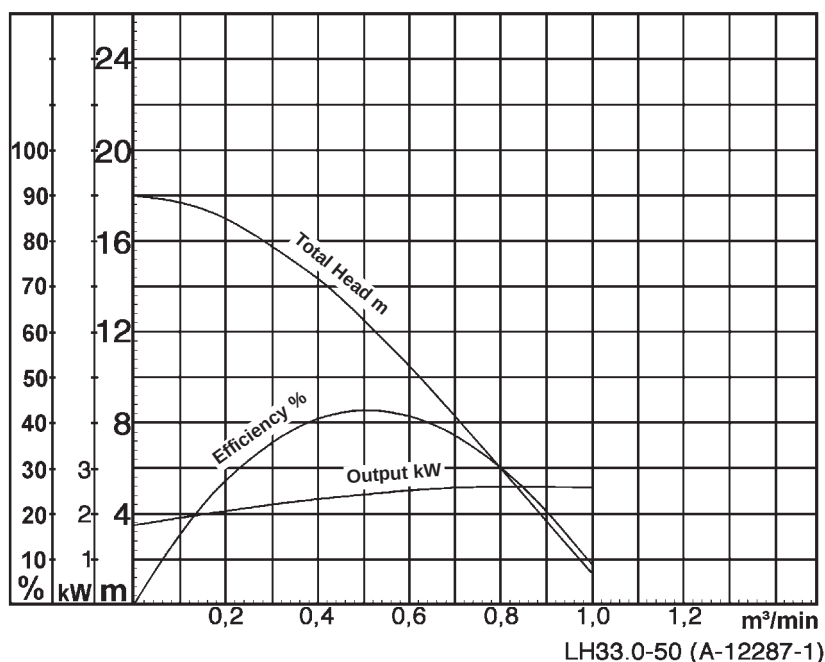


Data Sheet LH33.0-50



LH33.0-50 (A-12291-1)

C.W.L. = Continuous running water level



Classification

Electric submersible pump
Protection class IP68
Depth of submersion max. 50m
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

Impeller:	Chromium iron casting
Casing:	Ductile iron casting
Motor bracket:	Grey iron casting
Shaft:	SUS420J2 (EN-X30Cr13)

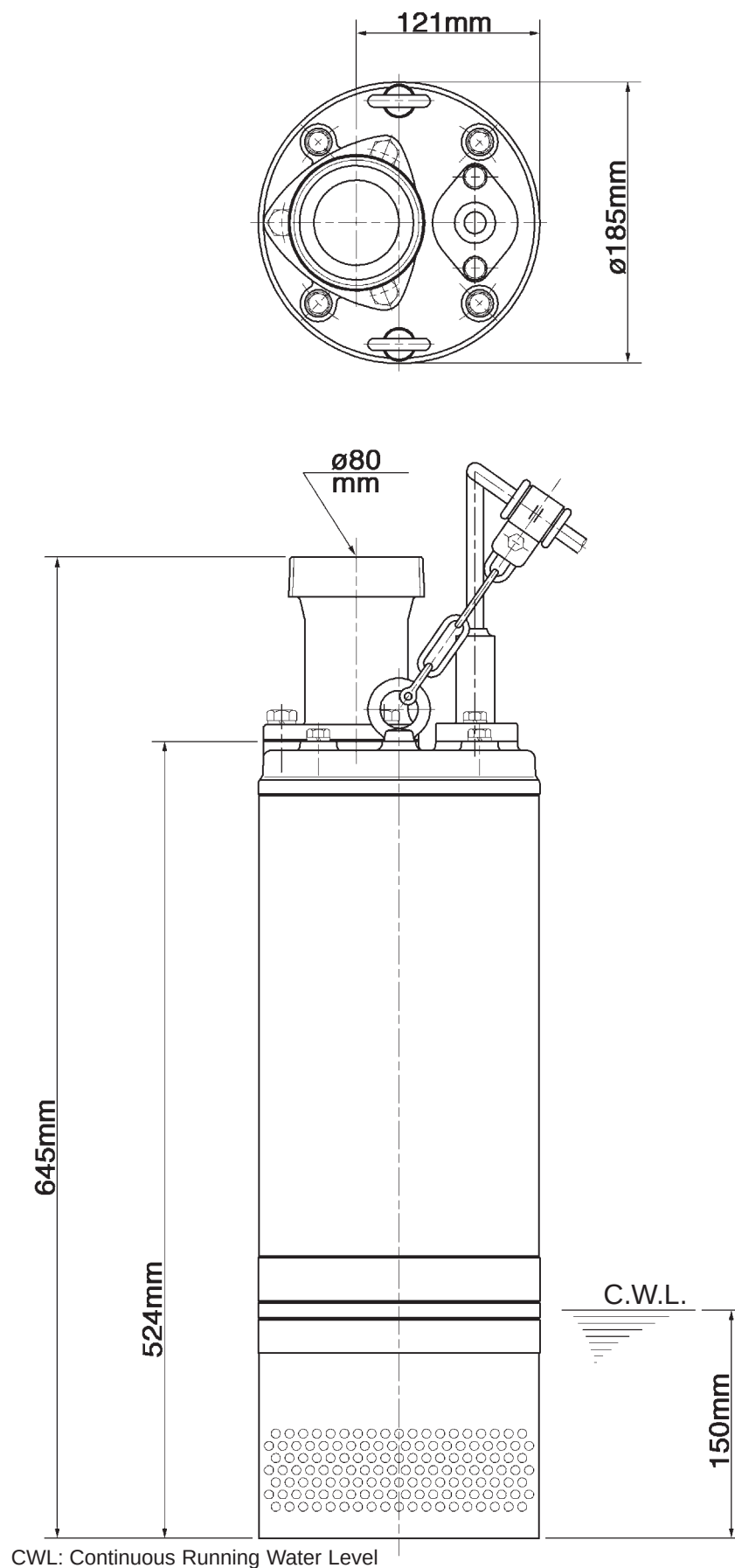
Discharge Connection

3" (80mm) BS-Coupling (threaded flange)

Weight

42 kg (dry weight of the pump without cable)

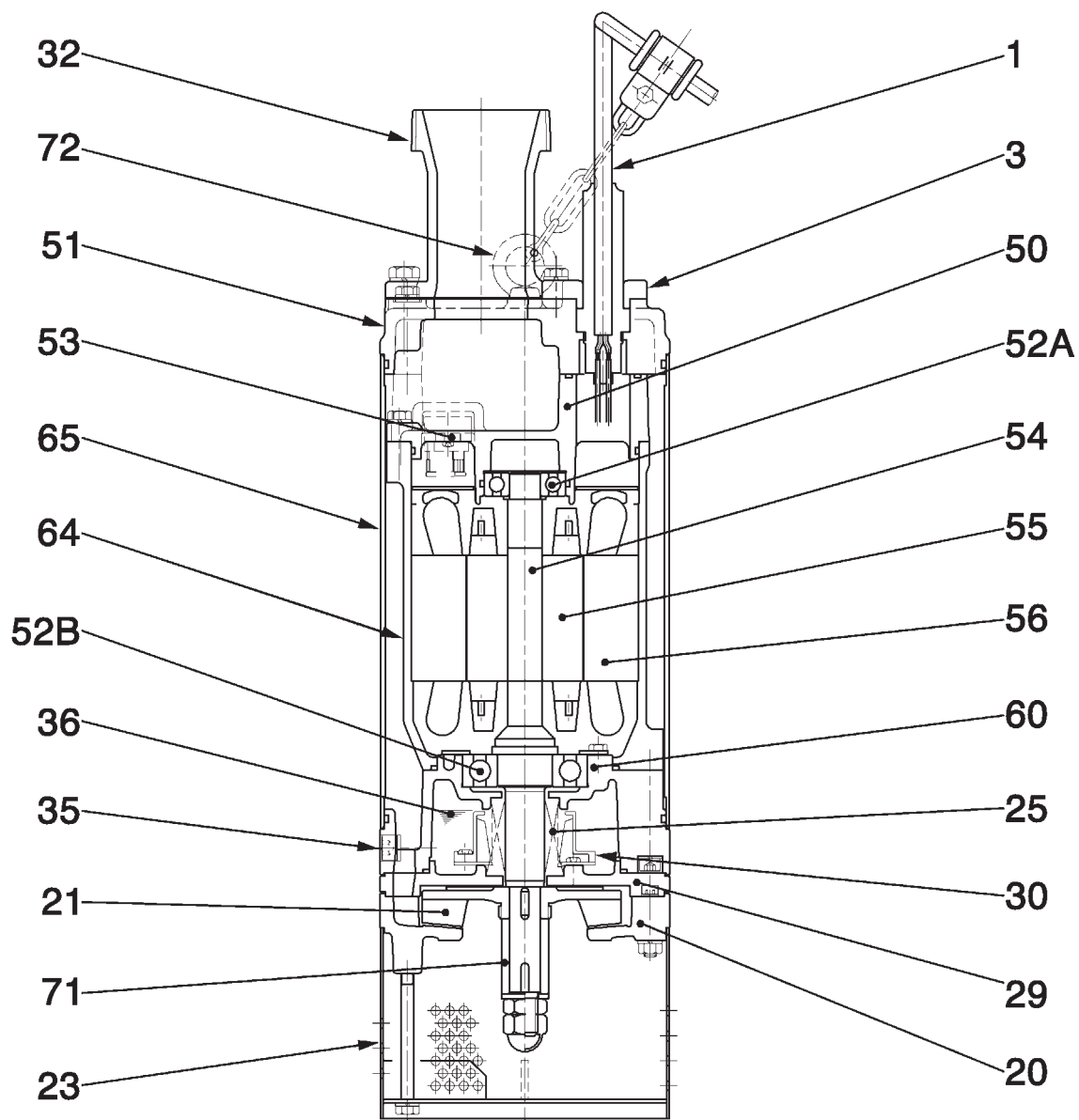
Dimensional Drawing LH33.0-50



LH33.0-50 (A-12291-1)

Sectional Drawing

LH33.0-50



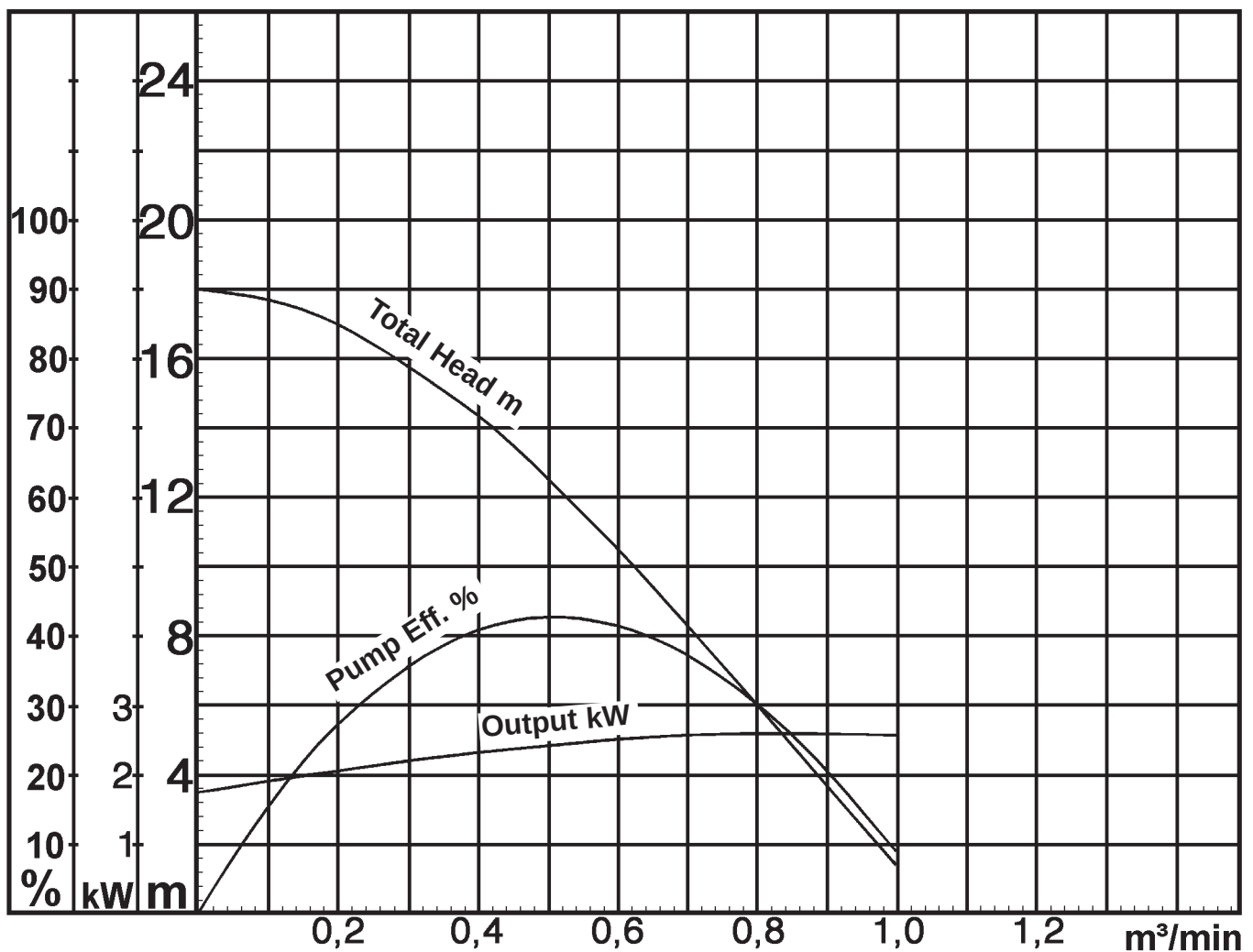
LH33.0-50 (A-12295-1)

No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	1	20m H07RN-F 4Cx1,5mm ²	54	Shaft	1	SUS420J2 (EN X30Cr13)
3	Gland	1	Grey iron casting	55	Rotor	1	
20A	Pump Casing	1	Ductile Iron Casting	56	Stator	1	
21	Impeller	1	Chromium Iron Casting HiCrFC	60	Bearing Housing	1	Grey Iron Casting
23	Strainer Stand	1	Steel Plate	64	Motor Frame	1	Grey Iron Casting
25	Mechanical Seal	1	H-25T	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				
52A	Upper Bearing	1	6304ZZC3				
52B	Lower Bearing	1	6307ZZC3				
53	Motor Protector	1					

Pump Performance Curve

LH33.0-50

Discharge Bore	80 mm
Total Head	12 m
Capacity	0,5 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



LH33.0-50 (A-12287-1)