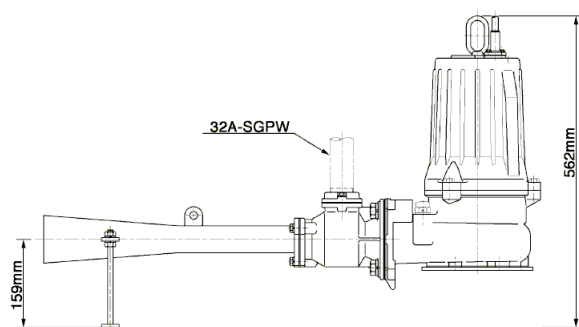
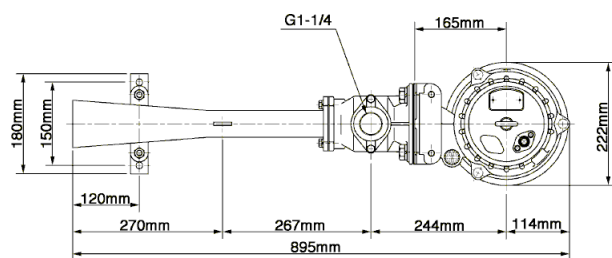
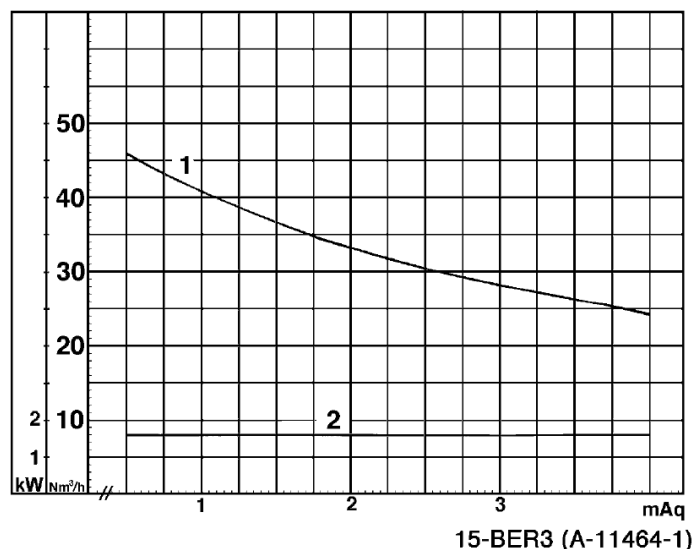


Data sheet 15-BER3



15-BER3 (A-11466-1)



1 ... Air quantity - Water depth

2 ... Output kW - Water depth

Specification

Electric submersible aerator BER
 Degree of protection IP 68
 Pressure resistance max. 4m
 Type of impeller
 Free passage 20 mm
 Suitable for:
 aeration of activated sludge
 (municipal sewage only)

Electric motor

Dry-type submersible induction motor
 Insulation class F, 2 poles, 2840 r.p.m.
 Starting mode Direct on line start
 Rated voltage 400V, 50Hz, 3-phase
 Rated power 1.5 kW
 Power uptake 2.15 kW
 Rated current 3.5 A
 Start current 22 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 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 DIN 1.4028 (EN-X30Cr13)
 Ejector free standing type DIN 1.0040 nylonbonded
 TOS-Ejector guide rail fitting type DIN 1.0040 nylonbonded

Weight

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

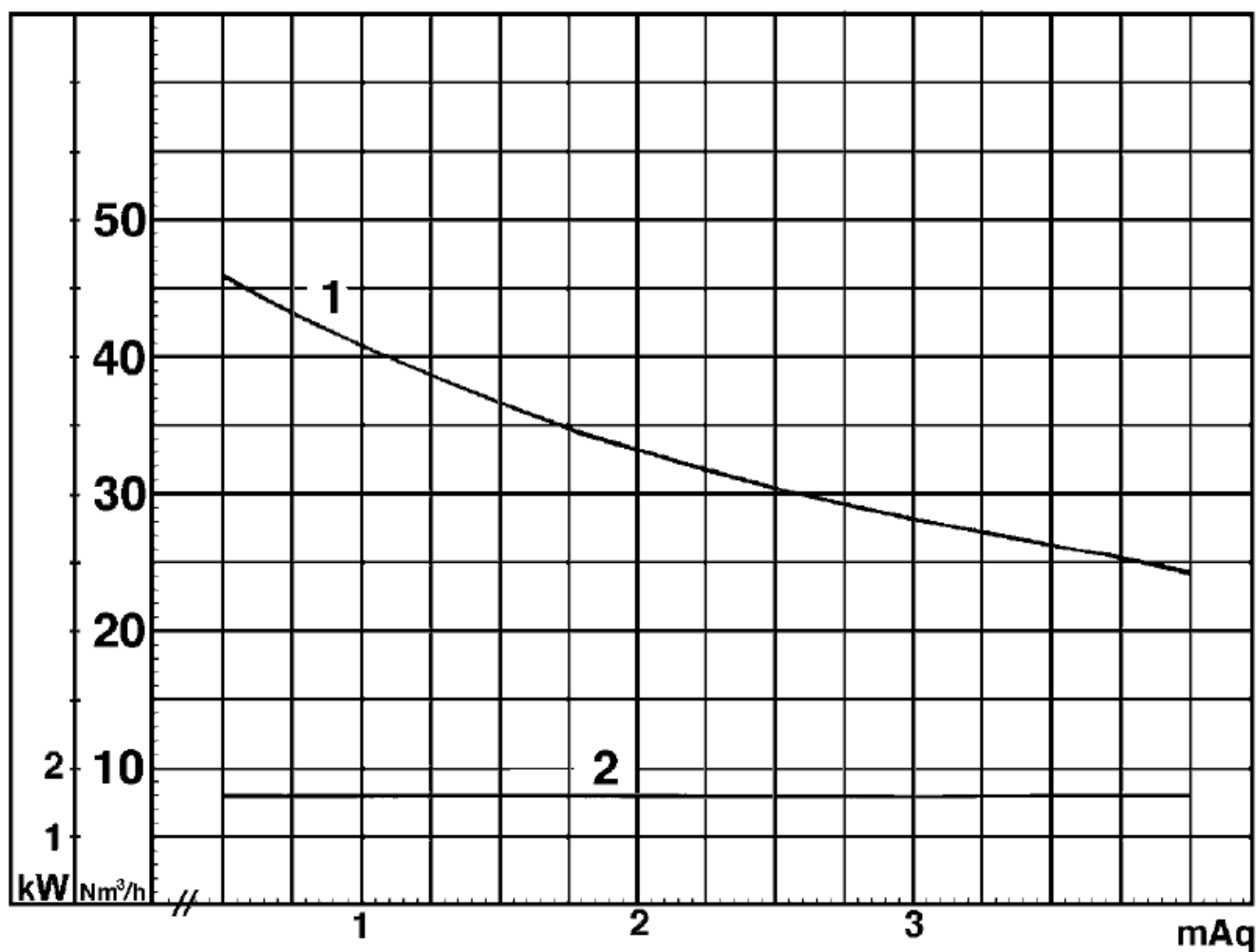
Air passage

32 mm screwed-in flange

Performance curve

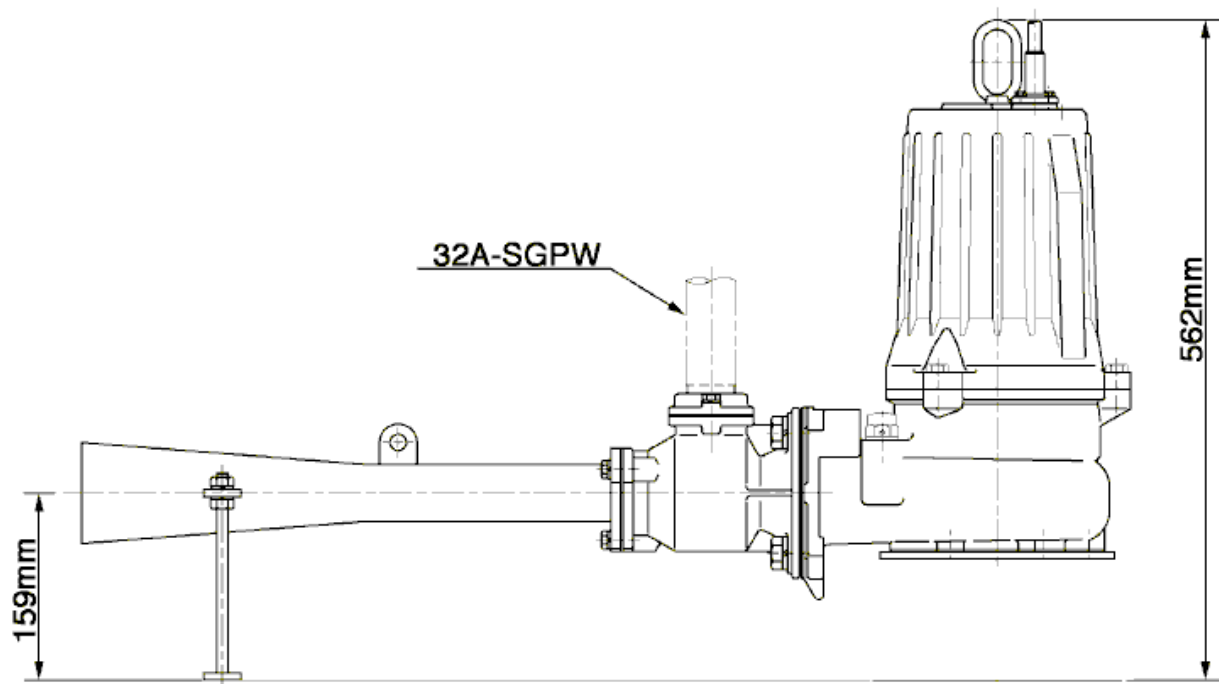
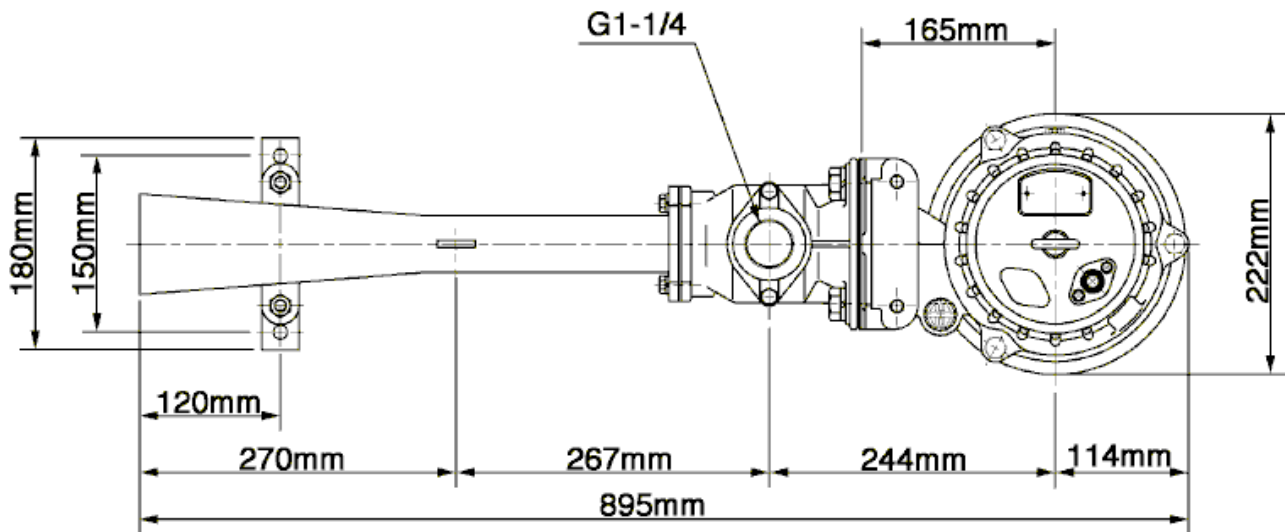
15-BER3

Air passage	32 mm
Air quantity	28 Nm³/h
water depth	3 mAq
max. water depth	4 mAq
Rated power	1.50 kW
Power input	2.15 kW
Phases	3
Voltages	400 V
Frequency	50 Hz
Rated current	3.5 A
Starting current	22.0 A
Number of poles	2
Speed	2840 U/min
Starting mode	Direct on line start
Insulation class	F



15-BER3 (A-11464-1)

15-BER3

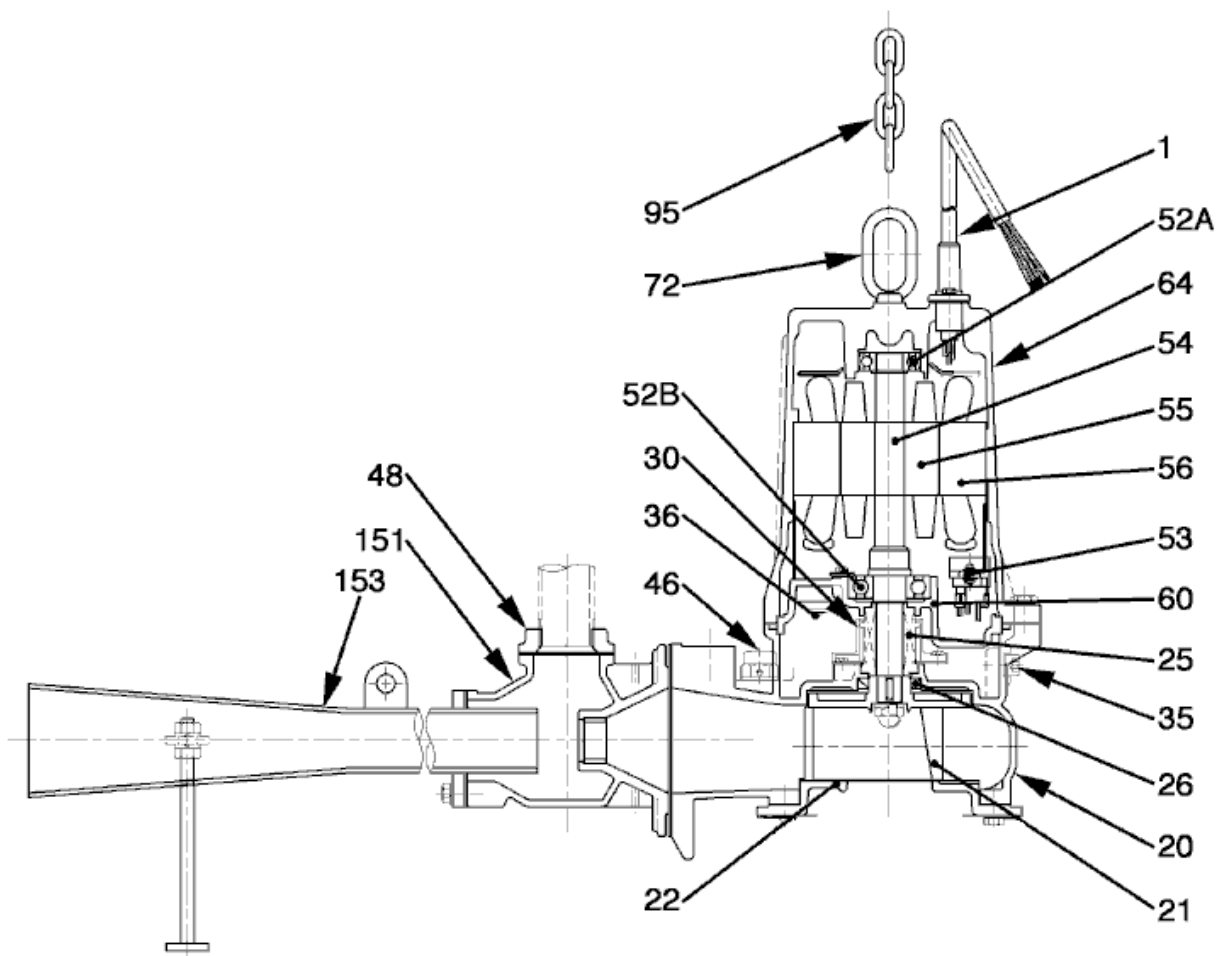


15-BER3 (A-11466-1)

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

Sectional drawing

15-BER3



15-BER3 (A-11467-1)

No.	Description	Remark	No.	Description	Remark
1	Cable	NSSHÖU	54	Shaft	DIN 1.4028 (EN-X30Cr13)
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	Strainer	Steel plate SPCC	64	Motor Frame	FC150 (EN-GJL-150)
25	Mechanical seal	H-20A	72	Eye screw (2x)	DIN 1.4301 (EN-X5CrNi 18-10)
26	Oil seal	DD-32488	95	Lifting chain	Construction steel SS400
30	Oil distributor	Plastic	151	Air passage	FC200 (EN-GJL-200)
35	Oil screw	DIN 1.4301 (EN-X5CrNi 18-10)	153	Diffuser	DIN 1.0040 nylonbonded
36	Lubricant	Turbine oil (ISO VG32)			
46	Air vent valve	Brass			
48	Screwed Flange	FC200 (EN-GJL-200)			
49	Bottom Plate	Steel plate SPCC			
52A	Upper bearing	6204ZZC3			
52B	Lower bearing	6305ZZC3			
53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)			