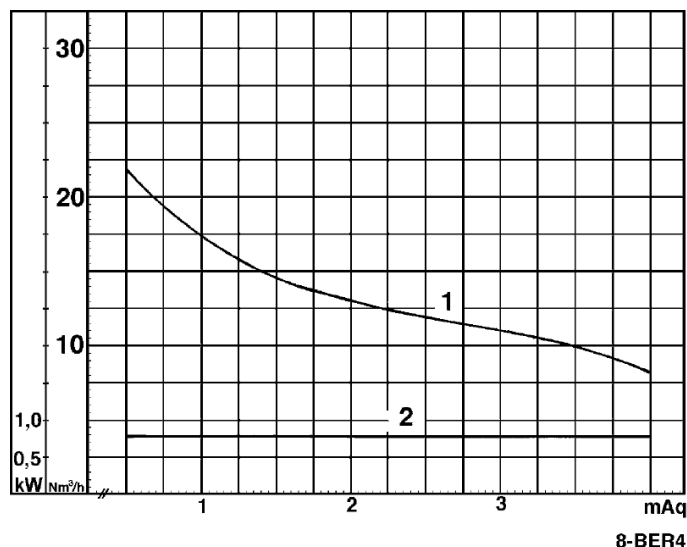
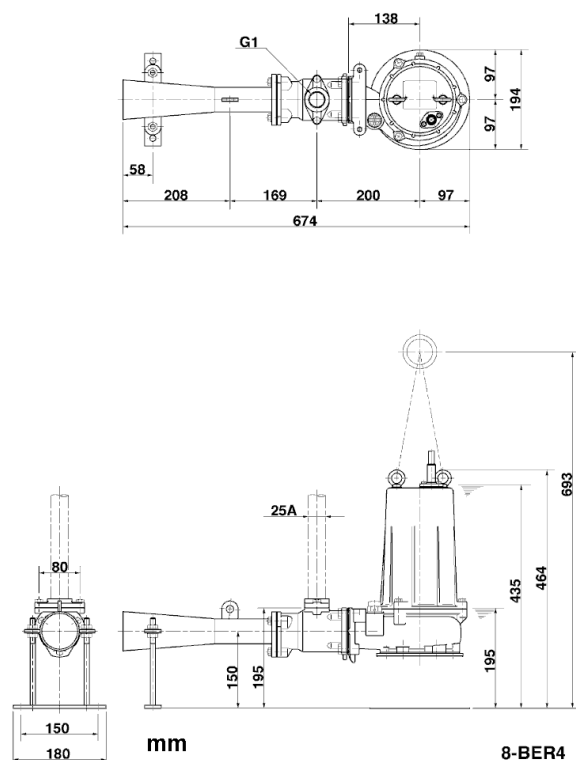


Data sheet 8-BER4



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 E, 2 Pole, 2810 U/min
 Starting mode Direct on line start
 Rated voltage 400V, 50Hz, 3-phase
 Rated power 0.75 kW
 Power uptake 1.13 kW
 Rated current 1.9 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 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 FC200 (EN-GJL-200)
 Shaft SUS403 (EN-X6Cr13)
 Ejector free standing type DIN 1.0040 nylonbonded
 TOS-Ejector guide rail fitting type DIN 1.0040 nylonbonded

Weight

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

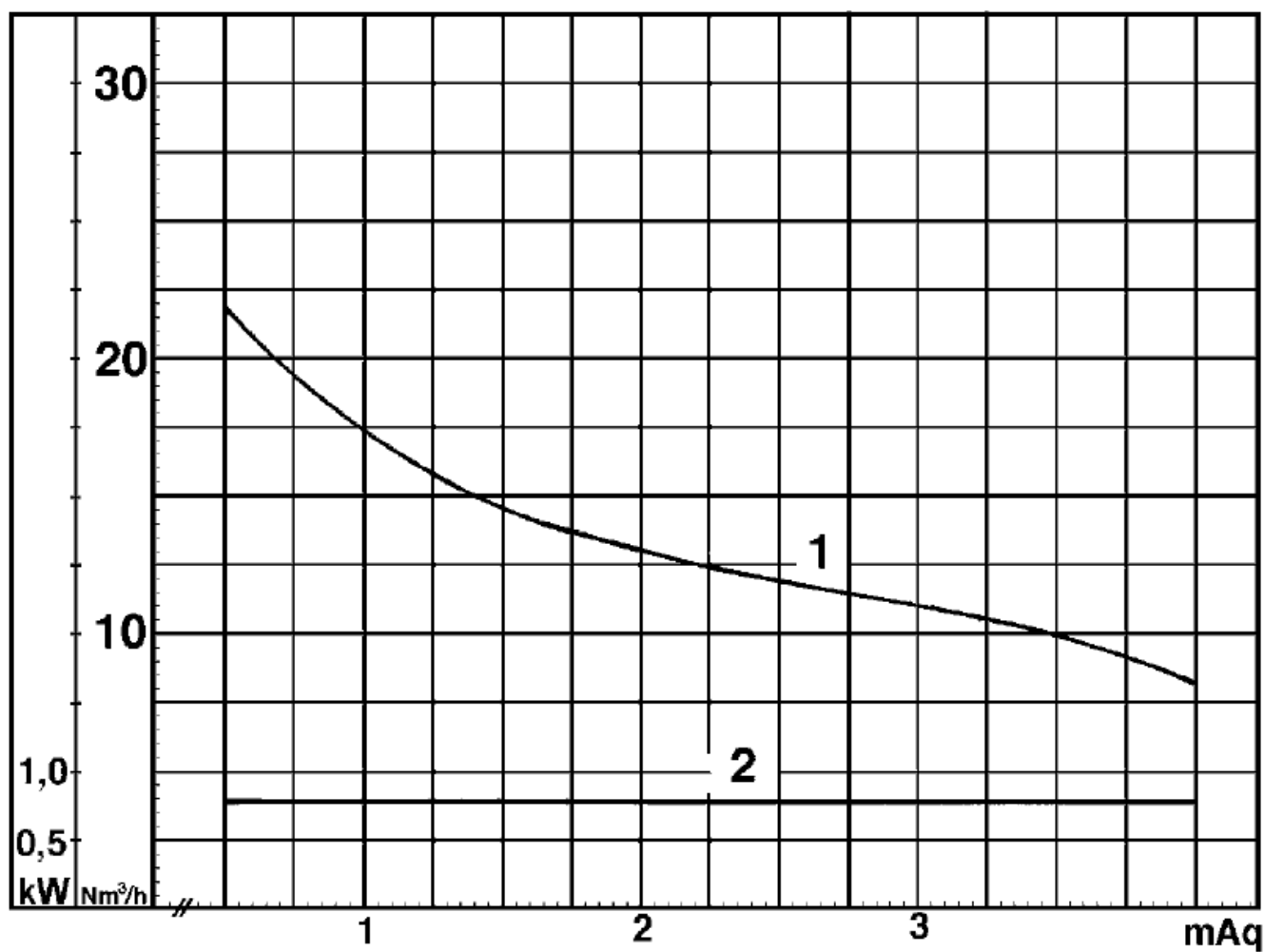
Air passage

1" (25mm) Innengewinde

Performance curve

8-BER4

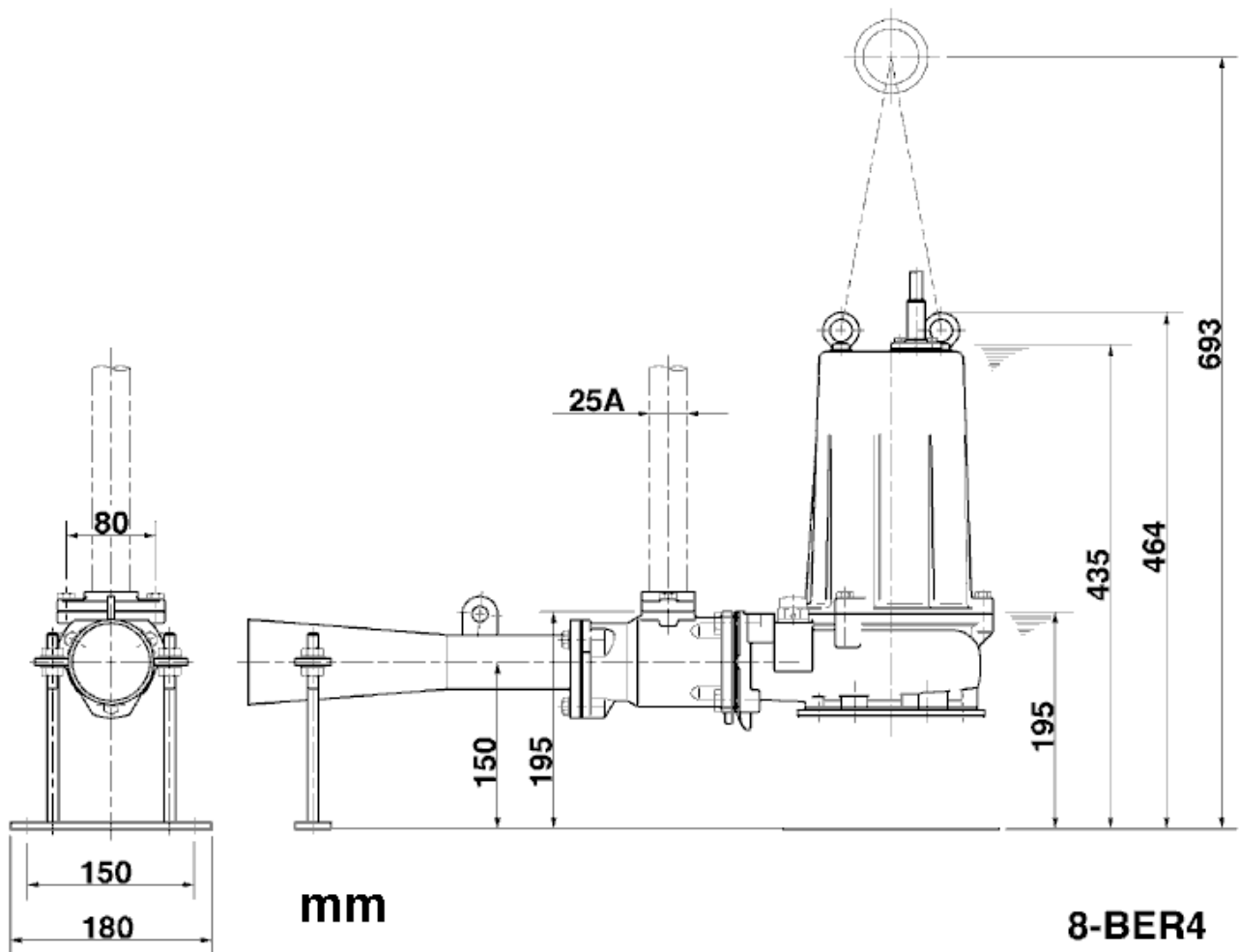
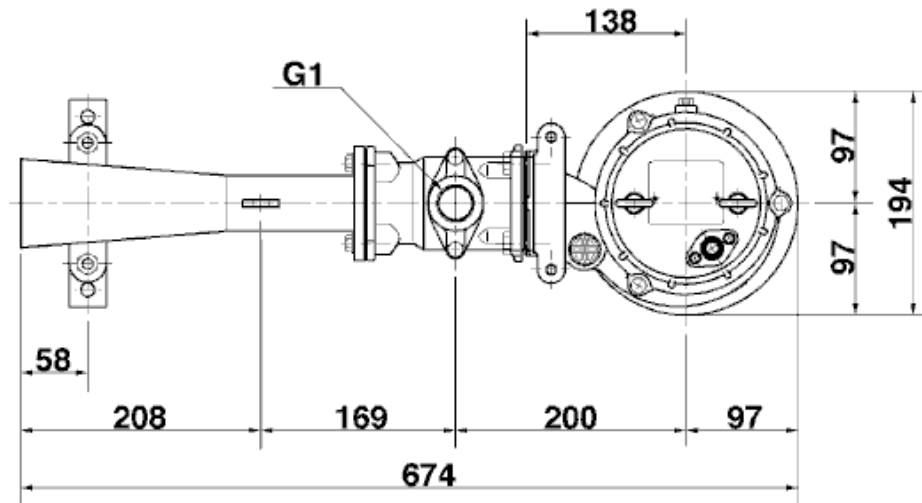
Air passage	25 mm
Air quantity	11 Nm³/h
water depth	3 mAq
max. water depth	4 mAq
Rated power	0.75 kW
Power input	1.13 kW
Phases	3
Voltages	400 V
Frequency	50 Hz
Rated current	1.9 A
Starting current	8.5 A
Number of poles	2
Speed	2810 U/min
Starting mode	Direct on line start
Insulation class	E



8-BER4

Dimensions

8-BER4



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



Tsurumi (Europe) GmbH

2025-03-03

V.01.02.2025

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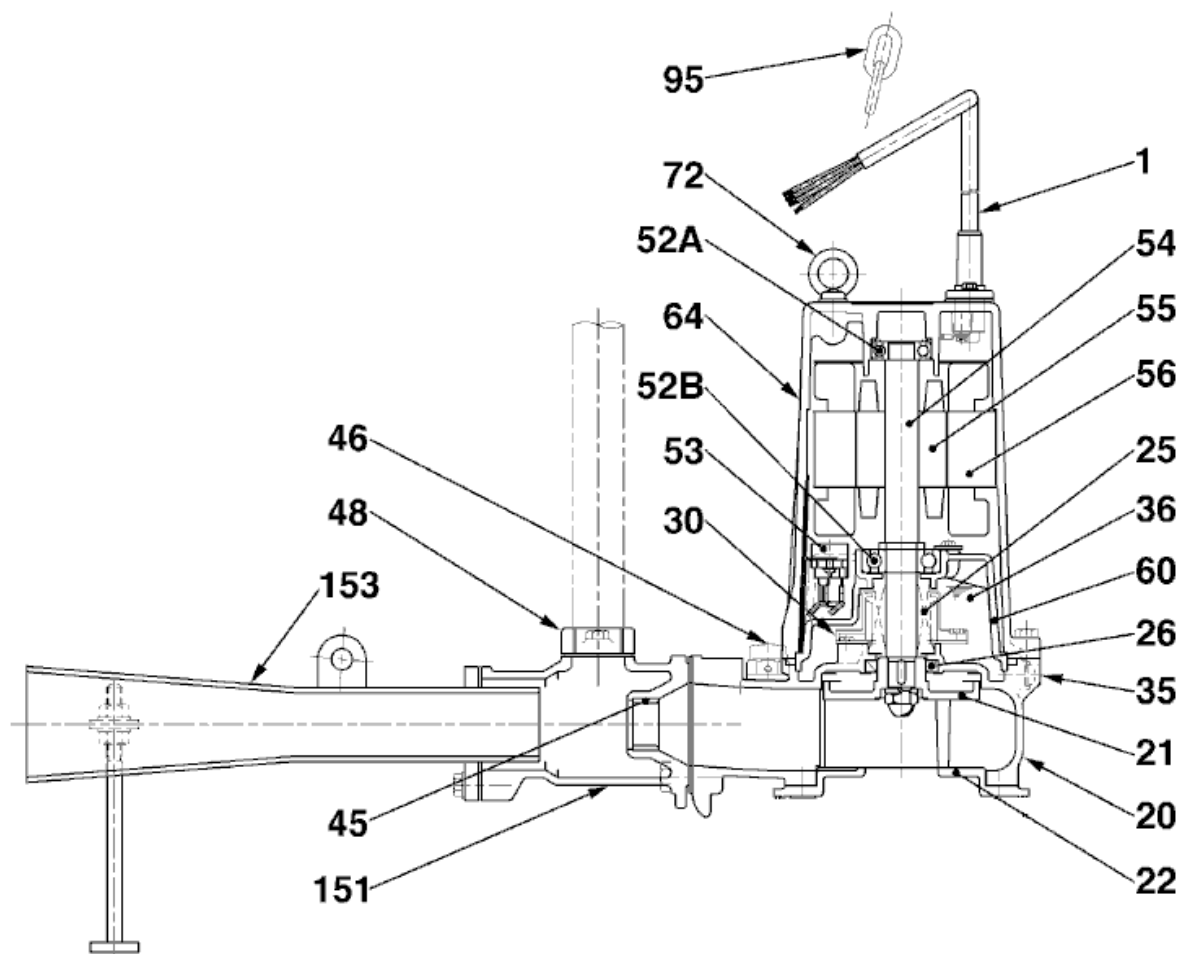
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Sectional drawing 8-BER4



8-BER4

No.	Description	Remark	No.	Description	Remark
1	Cable	NSSHÖU	53	Motor Protector 380/400/415V-50Hz.KA314-HRXL00 (H.C)	
20	Pump casing	FC200 (EN-GJL-200)	54	Shaft	SUS403 (EN-X6Cr13)
21	Impeller	FC200 (EN-GJL-200)	55	Rotor	.
22	Suction cover	FC200 (EN-GJL-200)	56	Stator	.
23	Strainer	Steel plate SPCC	60	Bearing Housing	FC200 (EN-GJL-200)
25	Mechanical seal	H-20A	64	Motor Frame	FC200 (EN-GJL-200)
26	Oil seal	TC32488	72	Eye screw (2x)	Construction steel SS400
30	Oil distributor	Plastic	95	Lifting chain	Construction steel SS400
35	Oil screw	SUS304 (EN-X5CrNi18-10)	151	Air passage	FC150 (EN-GJL-150)
36	Lubricant	Turbine oil (ISO VG32)	153	Diffuser	DIN 1.0040 nylonbonded
45	Nozzle ring	Stainless cast steel			
46	Air vent valve	Nylon			
48	Screwed Flange	FC200 (EN-GJL-200)			
49	Bottom Plate	Steel plate SPCC			
52A	Upper bearing	6203ZZC3			
52B	Lower Bearing	6304ZZC3			