

## SB



TM04 7171 1710 - TM04 7172 1710

Fig. 1 SB pumps

### Product description

The SB pump is a submersible booster pump for the pumping of clean water. It is especially suitable for rainwater applications. The pump is available in two main versions:

- with integrated suction strainer (1 mm mesh)
- with side inlet which includes a flexible suction hose with floating suction strainer (1 mm mesh).

In both versions, the pump is available with or without float switch. The float switch can be used for automatic operation or dry-running protection of the pump.

The pump can be identified from the table below:

Pump version	Model
Integrated suction strainer with float switch	A
Integrated suction strainer without float switch	M
Side inlet with float switch	AW
Side inlet without float switch	MW

### Features and benefits

#### Noiseless operation

The SB pump emits no noise when submerged and is therefore a noiseless alternative to non-submersible pumps.

#### High reliability

The SB pump is built of composite and stainless-steel materials which are resistant to corrosion. Furthermore, the pump has a stainless-steel strainer which prevents large particles from entering the pump housing.

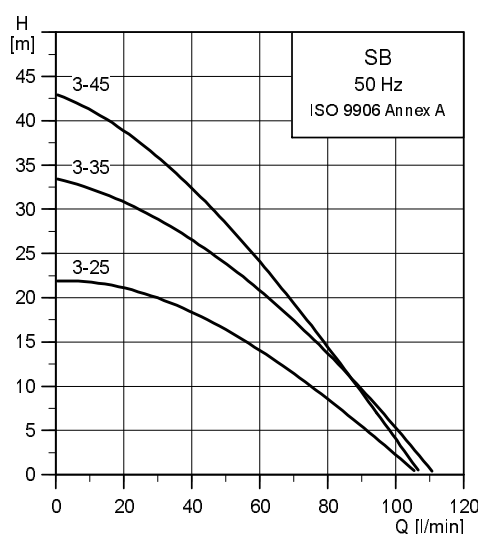
### Integrated protection

The pump incorporates thermal overload protection.

### Floating suction strainer

The model with floating suction strainer always draws the water from just below the water surface where the water is clean and free from solid particles.

### Performance range



TM04 7169 1710

### Selection guide

#### General recommendation

If the distance from the tank wall to the pump is above 1.5 metres, the model with side inlet should be selected.

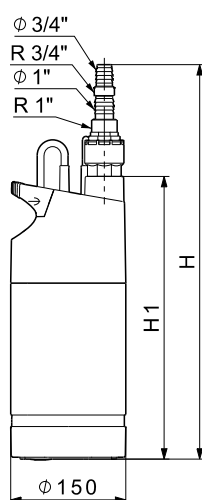
If the distance from the tank wall to the pump is less than 1.5 metres, the model with suction strainer should be selected.

Pump sizes recommended for the most typical applications:

Application	Recommended pump
Garden watering	SB 3-25
One-storey house: For toilet flushing, washing machine, car washing and garden watering	SB 3-35
Two-storey house: For toilet flushing, washing machine, car washing and garden watering	SB 3-45

## Dimensions, weight and maximum installation depth

### Model with integrated suction strainer



Pump type	H [mm]	H1 [mm]	Length of supply cable [m]	Max. installation depth [m]
SB 3-25	537	370	15	10
SB 3-35	559	392	15	10
SB 3-45	584	417	15	10

### Electrical data

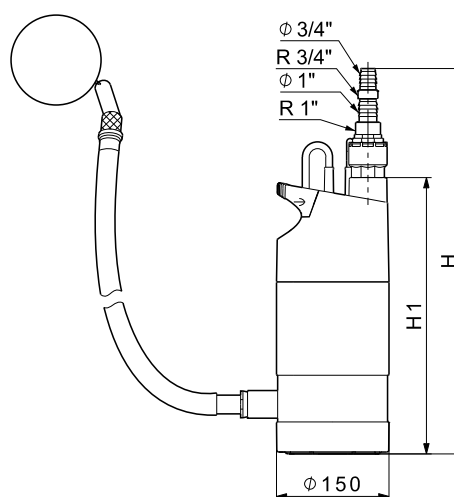
Supply voltage: 1 x 220-240 V, 50 Hz.

Insulation class: IP68.

Enclosure class: B.

Pump type	Voltage [V]	Frequency [Hz]	P1 [kW]	I <sub>1/I</sub> [A]	n [min <sup>-1</sup> ]
SB 3-25	1 x 240	50	0.57	2.8	2800
SB 3-35	1 x 240	50	0.80	3.8	2800
SB 3-45	1 x 240	50	1.05	4.8	2800

### Model with floating suction strainer



TM04 6243 5109 - TM04 6928 1210

## Construction

Component	Material
Cover	Polypropylene (PP30GF)
Impeller	Polypropylene (PPO20GF)
Chamber	Polypropylene (PPO20GF)
Shaft with rotor	Stainless steel (EN 1.4401/AISI 416)
Wetted part of shaft	Stainless steel (EN 1.4301/AISI 304)
Strainer <sup>1)</sup>	Stainless steel (EN 1.4301/AISI 304)
Inlet collar <sup>2)</sup>	Stainless steel (EN 1.4301/AISI 304)
Cable	Neoprene H07RN-F
O-rings	NBR
Pump housing	Polypropylene (PP30GF)
Base	Polypropylene (PP30GF)
Stator housing	Stainless steel (EN 1.4301/AISI 304)

<sup>1)</sup> Only fitted on models with integrated suction strainer.

<sup>2)</sup> Only fitted on models with floating suction strainer.

## Approvals

The SB pump has the following approvals:

- GOST (Russia)
- UL/CSA
- C-tick.

Subject to alterations.

97699316 0610

GB

ECM: 1062531

The name Grundfos, the Grundfos logo, and the payoff Be-Think-Innovate are registered trademarks owned by Grundfos Management A/S or Grundfos A/S, Denmark. All rights reserved worldwide.

GRUNDFOS A/S . DK-8850 Bjerringbro . Denmark  
Telephone: +45 87 50 14 00.

www.grundfos.com

**GRUNDFOS** 