

**Qty. Description**

1 SBA 3-45 A



Note! Product picture may differ from actual product

Product No.: [97896333](#)

Grundfos SBA 3-45 A is an all-in-one submersible booster designed for pumping clean water for domestic use. The SBA is built on the proven SB platform and comes with an integrated control unit. This eliminates the need for an external pump controller in the house. It is silent when submerged and therefore a noiseless alternative to surface-mounted pumps. The pump is built from high quality composite and stainless steel materials that are resistant to corrosion.

The SBA 3-45 A is equipped with a 13.7 m supply cable, and the maximum installation depth is 10 m below the water level, with a liquid temperature ranging from 0 °C to 40 °C.

The pump starts automatically when the pipe pressure falls below 2.2 bar.

The SBA 3-45 A is ideal for operation in a well or ground tanks, as it easily prevents solid particles from entering the pump. The maximum particle size is 1 mm.

The single-phase model is effectively protected against any accidental overload by built-in thermal protection.

The pump has built-in thermal protection, which immediately stops the pump if it overheats. Having cooled down, the pump automatically restarts when it reaches a normal temperature.

**Controls:**

Float switch (Yes/No): Y

**Liquid:**

Pumped liquid: Water  
 Liquid temperature range: 0 .. 40 °C  
 Selected liquid temperature: 20 °C  
 Density: 998.2 kg/m<sup>3</sup>

**Technical:**

Rated flow: 2.93 m<sup>3</sup>/h  
 Rated head: 30 m  
 Max. Particle: 1 mm  
 Approvals: CSA  
 Curve tolerance: ISO9906:2012 3B  
 Return valve: YES  
 Adjustable start pressure (Yes/No): N  
 Start pressure: 2.2 bar  
 Rated speed: 3400 rpm

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1	<p>Materials:</p> <p>Pump housing: Composite PP - GF30</p> <p>Impeller: Composite PPO-20GF</p> <p>Installation:</p> <p>Range of ambient temperature: -10 .. 50 °C</p> <p>Type of inlet connection: STRAINER</p> <p>Pump outlet: NPT 1"</p> <p>Pressure rating for connection: PN 6</p> <p>Maximum installation depth: 10 m</p> <p>Electrical data:</p> <p>Power input P1: 1.05 kW</p> <p>Rated power - P2: 0.75 kW</p> <p>Mains frequency: 60 Hz</p> <p>Rated voltage: 1 x 110-120 V</p> <p>Rated current: 9.8 A</p> <p>Starting current: 26 A</p> <p>Cos phi: 0.944</p> <p>Rated speed: 3400 rpm</p> <p>Capacitor size - run: 30 µF/250 V</p> <p>Enclosure class (IEC 34-5): IP68</p> <p>Insulation class (IEC 85): F</p> <p>Built-in motor protection: YES</p> <p>Length of cable: 13.7 m</p> <p>Cable type: SJTWA 3AWG18</p> <p>Type of cable plug: NEMA 5-15P</p> <p>Others:</p> <p>Net weight: 9.42 kg</p> <p>Gross weight: 11.3 kg</p> <p>Shipping volume: 0.032 m³</p>