

# Sonessé® 50 PA & PS

(Progressive Limit Adjustment)

**506S2PA** 1001801    **506S2PS** 1001800  
**510S2PA** 1002323    **510S2PS** 1002324

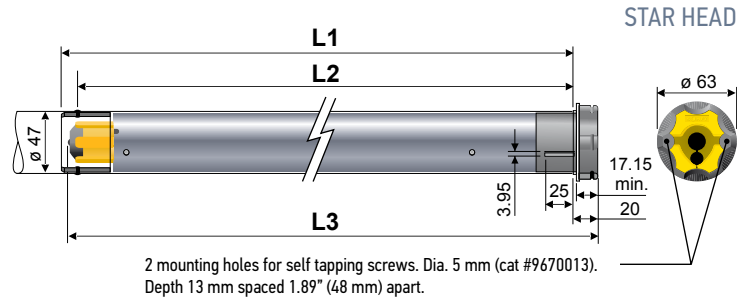


Offers control via power switching

## Technical Features

<b>Voltage Supply</b>	120V AC, 60Hz
<b>Index Protection Rating</b>	506/510: IP44 (exterior use)
<b>Limit Switch Type</b>	Progressive Adjustment PA
<b>Limit Switch Capacity</b>	29 Turns
<b>Temperature Working Range</b>	506/510: -4°F to 140°F (-20°C to 60°C) exterior use
<b>Insulation Class</b>	Class 1 for 120V AC
<b>Wiring</b>	Do not parallel wire.

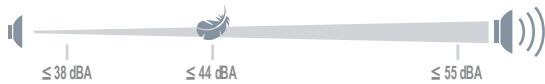
## Dimensions



Dimensions	506S2PA	506S2PS**	510S2PA	510S2PS**
<b>L1</b>	23.74 in. (603 mm)	23.74 in. (603 mm)	23.74 in. (603 mm)	23.74 in. (603 mm)
<b>L2</b>	23.23 in. (590 mm)	23.23 in. (590 mm)	23.23 in. (590 mm)	23.23 in. (590 mm)
<b>L3</b>	24.25 in. (616 mm)	24.25 in. (616 mm)	24.25 in. (616 mm)	24.25 in. (616 mm)
<b>Cable Length</b>	5 in. (.12 m)	5 in. (.12 m)	5 in. (.12 m)	5 in. (.12 m)

## Specifications

	506S2PA	506S2PS**	510S2PA	510S2PS**
<b>Torque</b>	6 Nm	6 Nm	10 Nm	10 Nm
<b>Nominal Voltage</b>	120V / 60Hz	120V / 60Hz	120V / 60Hz	120V / 60Hz
<b>Rated Current</b>	1.2A	1.2A	1.67A	1.67A
<b>Speed</b>	32 rpm	32 rpm	32 rpm	32 rpm
<b>Thermal Protection</b>	4 minutes	4 minutes	4 minutes	4 minutes
<b>*Sound Level</b>	≤ 45 dBA	≤ 45 dBA	≤ 47.2 dBA	≤ 47.2 dBA



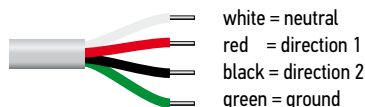
\* **Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

### Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of the motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from the motor shaft.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

## Type of power cable PA

**Wired**  
**120V AC / 60Hz**  
**4 conductor cable**



## Type of power cable PS

\*\*Progressive Limit Adjustment with external power switching capability when limit is reached.

**Wired**  
**120V AC / 60Hz**  
**5 conductor cable**

