

# Sonesse® 50 RTS

## Star Head and Round Head Motors

**506S2** 1001809    **506S2RH** 1001806  
**510S2** 1001807    **510S2RH** 1001805



Radio Technology Somfy® (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

### Technical Features

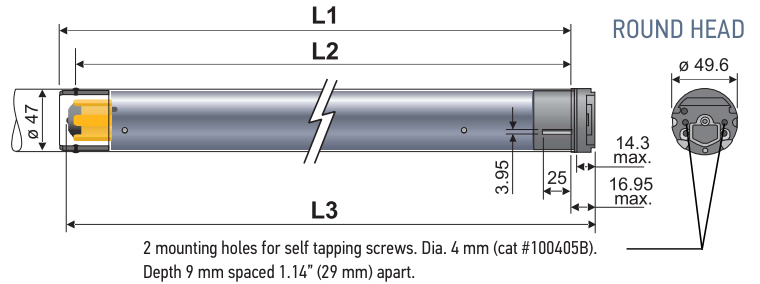
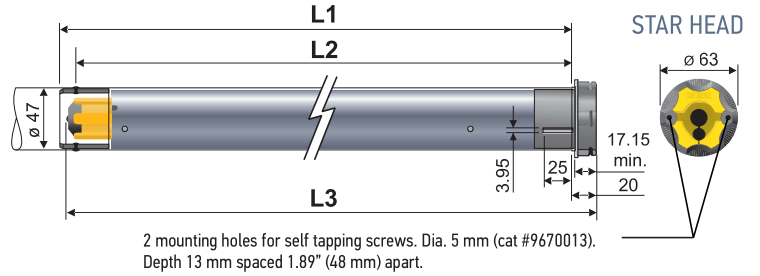
<b>Voltage Supply</b>	120V AC, 60Hz
<b>Index Protection Rating</b>	IP 44 (interior and exterior use)
<b>Limit Switch Type</b>	Electronic RTS
<b>Limit Switch Capacity</b>	250 Turns
<b>Temperature Working Range</b>	-4°F to 158°F (-20°C to 70°C) (interior and exterior use)
<b>Insulation Class</b>	Class 1 for 120V AC
<b>Antenna</b>	Integrated into power cord. Power cord must be at least 12 inches and must not come in contact with metal.
<b>Wiring</b>	Parallel wiring allowed in accordance with NEC and local electrical codes.

### Specifications

	506	510
<b>Torque</b>	6 Nm	10 Nm
<b>Nominal Voltage</b>	120V / 60Hz	120V / 60Hz
<b>Rated Current</b>	1.2A	1.67A
<b>Speed</b>	32 rpm	32 rpm
<b>Thermal Protection</b>	4 minutes	4 minutes
<b>Radio Frequency</b>	433.42 MHz	433.42 MHz
<b>*Sound Level</b>	≤ 45 dBA	≤ 47 dBA



### Dimensions



Dimensions	506	510
<b>L1</b>	25.7 in. (653 mm)	25.7 in. (653 mm)
<b>L2</b>	25.2 in. (640 mm)	25.2 in. (640 mm)
<b>L3</b>	SH 26.2 in. (666 mm) RH 26.1 in. (663 mm)	SH 26.2 in. (666 mm) RH 26.1 in. (663 mm)
<b>SJTW Power Cable Length</b>	9.8 ft. (3 m)	9.8 ft. (3 m)

Optional 3C cables available in varying lengths with NEMA plug, Fast Connector and open leads.

#### \* 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 motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft. This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

### Type of power cable

**RTS**  
**120V AC / 60Hz**  
**3-conductor SJTW cable**

