

Sonesse® 50 RTS Star and Round Head Motors

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



Offers control via Radio Technology Somfy® (RTS)

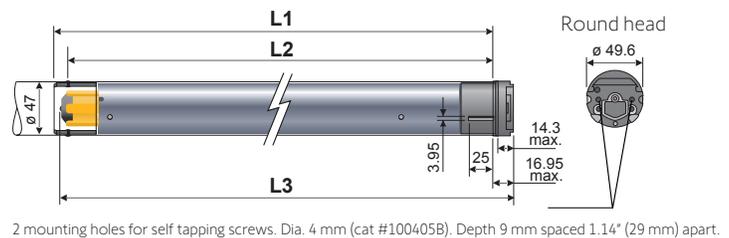
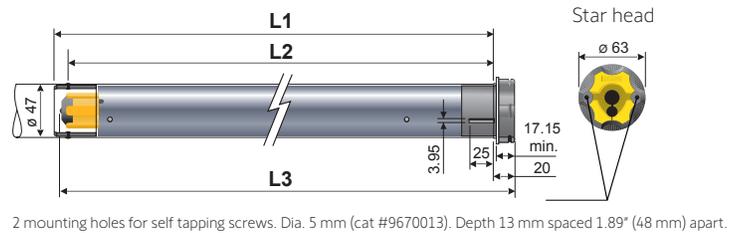
Technical Features

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

Dimensions

| | 506 | 510 |
|--------------------------------|--|--|
| L1 | 25.7 in. (653 mm) | 25.7 in. (653 mm) |
| L2 | 25.2 in. (640 mm) | 25.2 in. (640 mm) |
| L3 | SH 26.2 in. (666 mm) RH 26.1 in. (663 mm) | SH 26.2 in. (666 mm) RH 26.1 in. (663 mm) |
| SJTW Power Cable length | 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.



Specifications

| | 506 | 510 |
|---------------------------|-------------|-------------|
| Torque | 6 Nm | 10 Nm |
| Nominal Voltage | 120V / 60Hz | 120V / 60Hz |
| Rated Current | 1.2A | 1.67A |
| Speed | 32 rpm | 32 rpm |
| Thermal protection | 4 minutes | 4 minutes |
| Sound Level* | ≤ 45 dBA | ≤ 47 dBA |

*Sound level:

According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

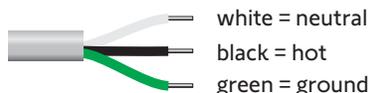
Fabrication recommendations:

- 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 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



Certifications

