

Sonesse® ULTRA 50 RA

Star Head and Round Head Motors (rapid limit adjustment)

506A2 1002558
506A2RH 1002560



Offers control via power switching

Technical Features

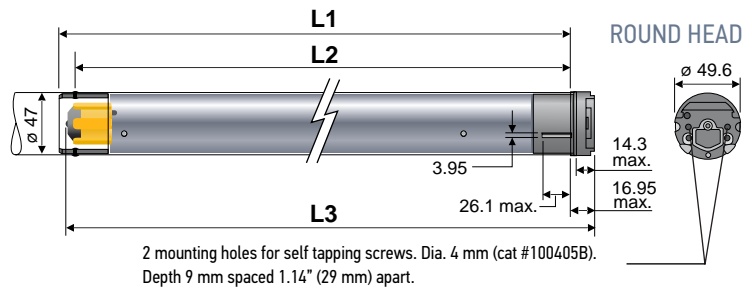
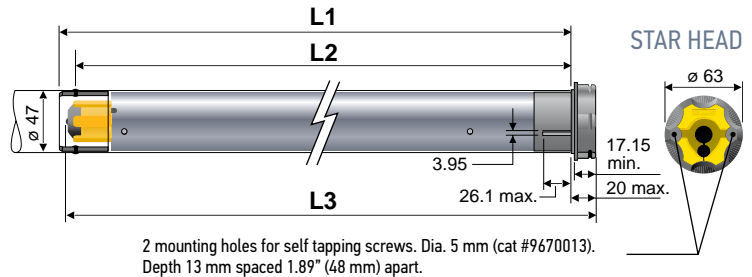
Voltage Supply	120V AC, 60Hz
Index Protection Rating	506 - IP 31 (interior use)
Limit Switch Type	Rapid Adjustment RA
Limit Switch Capacity	46 Turns
Temperature Working Range	506: 32°F to 140°F (0°C to 60°C) Interior use
Insulation Class	Class 1 for 120V AC
Wiring	Do not parallel wire.

Specifications

Torque	6 Nm
* Minimum Torque	0.4 Nm
Nominal Voltage	120V / 60Hz
Rated Current	.95A
Speed	24 rpm
Thermal Protection	4 minutes
**Sound Level	≤ 38 dBA



Dimensions



Dimensions

L1	30.8 in. (783 mm)
L2	30.3 in. (769 mm)
L3	SH 31.4 in. (798 mm) RH 31.3 in. (795 mm)
SJTW Power Cable Length	9.8 ft. (3 m)

*** Minimum Torque:** Minimum application weight to ensure smooth operation.

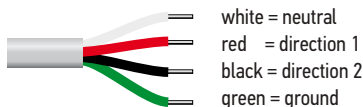
**** Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

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. Due to the variances of standard aluminum extrusion tolerances, it is recommended to screw the drive wheel & pin end to immobilize them and ensure quiet performance throughout the life of the product.
- 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.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Type of power cable

Wired
120V AC / 60Hz
4 conductor cable



Sonesse® 50 RA

Star Head and Round Head Motors (rapid limit adjustment)

506S2 1001814 **506S2RH** 1001812
510S2 1001813 **510S2RH** 1001810



Somfy
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SILENCE

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Offers control via power switching

Technical Features

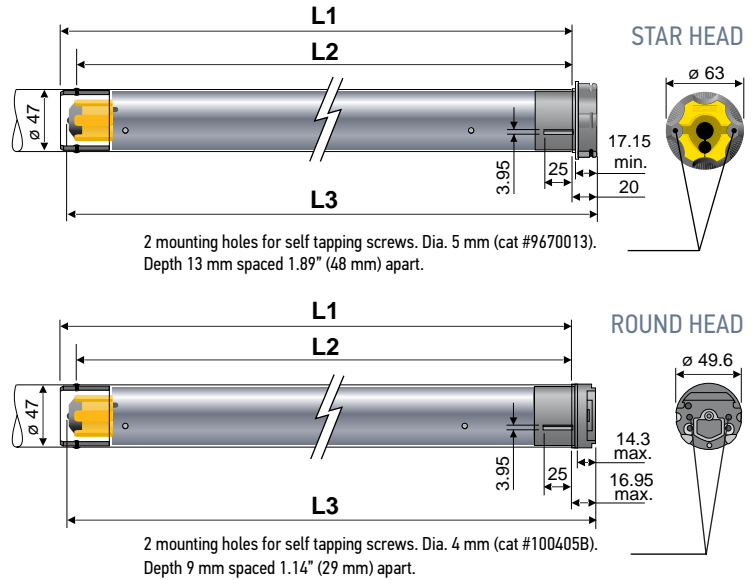
Voltage Supply	120V AC, 60Hz
Index Protection Rating	506 - IP 31 (interior use) 506/510 - IP 44 (interior & exterior use)
Limit Switch Type	Rapid Adjustment RA
Limit Switch Capacity	46 Turns
Temperature Working Range	506/510: -4°F to 158°F (-20°C to 70°C) Interior and exterior use
Insulation Class	Class 1 for 120V AC
Wiring	Do not parallel wire.

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



Dimensions



Dimensions	506	510
L1	23.7 in. (603 mm)	23.7 in. (603 mm)
L2	23.2 in. (590 mm)	23.2 in. (590 mm)
L3	SH 24.3 in. (616 mm) RH 24.1 in. (613 mm)	SH 24.3 in. (616 mm) RH 24.1 in. (613 mm)
Cable Length	6.5 ft. (2 m)	6.5 ft. (2 m)

* Sound Level:

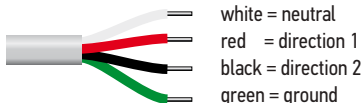
According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

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.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Type of power cable

Wired
120V AC / 60Hz
4 conductor cable



Sonesse® 50 PA & PS

(Progressive Limit Adjustment)

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



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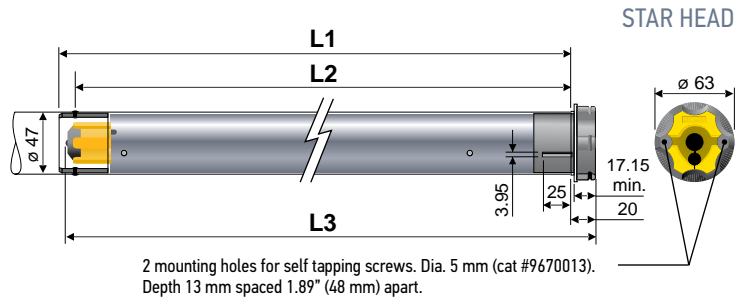


Offers control via
power switching

Technical Features

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

Dimensions



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

Specifications

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



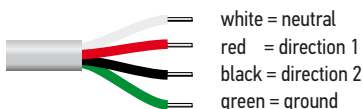
* **Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

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.

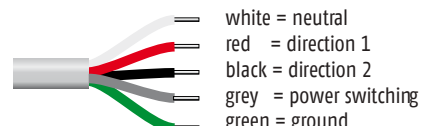
Type of power cable PA

Wired
120V AC / 60Hz
4 conductor cable



Type of power cable PS

Wired
120V AC / 60Hz
5 conductor cable



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