

Soness® 50 RA

Star Head and Round Head Motors (rapid limit adjustment)

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



Somfy
DESIGNED FOR
SILENCE

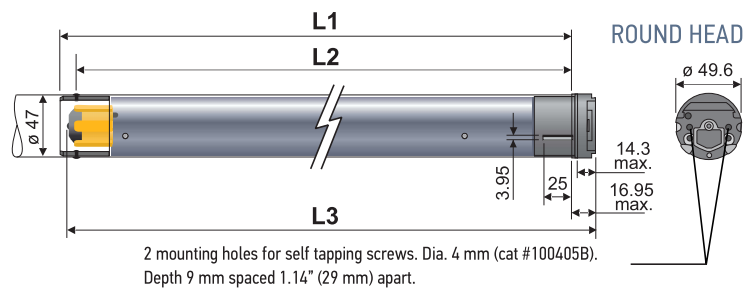
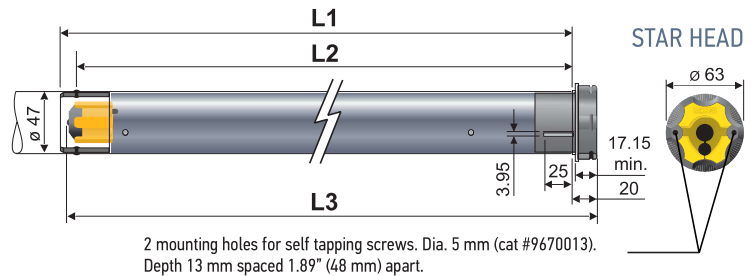


Offers control via
power switching

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44 (interior and exterior use)
Limit Switch Type	Rapid Adjustment RA
Limit Switch Capacity	46 Turns
Temperature Working Range	-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.

Dimensions



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	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)
SJTW Power Cable Length	9.8 ft. (3 m)	9.8 ft. (3 m)



Optional 4-conductor cables available in various lengths.
Includes Fast Connector and open leads.

* Sound Level:

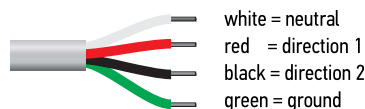
According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

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

Wired
120V AC / 60Hz
4-conductor SJTW cable



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