

# Soness® ULTRA 50 RA

Star Head and Round Head Motors (rapid limit adjustment)



506A2 1002558  
506A2RH 1002560



Offers control via power switching

## Technical Features

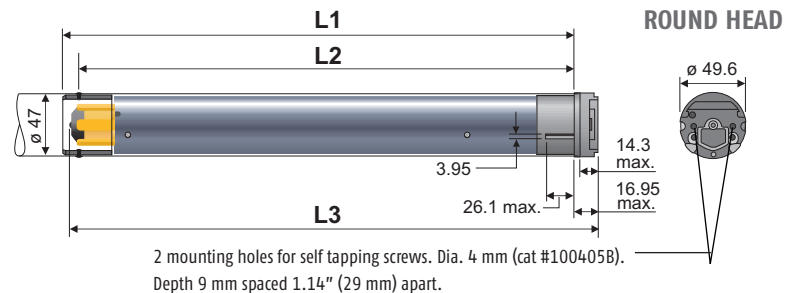
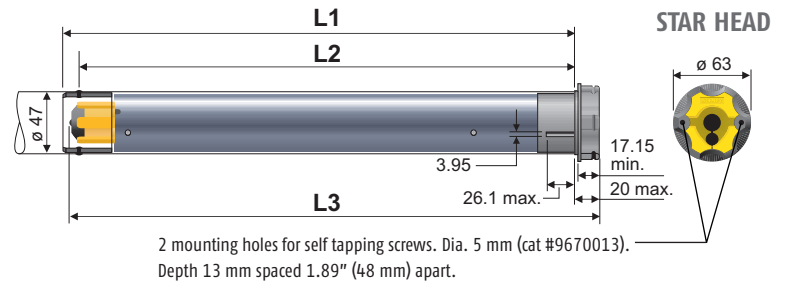
<b>Voltage Supply</b>	120V AC, 60Hz
<b>Index Protection Rating</b>	506 - IP 31 (interior use)
<b>Limit Switch Type</b>	Rapid Adjustment RA
<b>Limit Switch Capacity</b>	46 Turns
<b>Temperature Working Range</b>	506: 32°F to 140°F (0°C to 60°C) Interior use
<b>Insulation Class</b>	Class 1 for 120V AC
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

## Specifications

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



## Dimensions



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

Optional cables with NEMA plugs available in 3 ft, 6 ft, 12 ft, 18 ft, 24 ft.

\* **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

