

AWNINGS

Purpose

This document outlines how to measure a unit to determine the appropriate size needed for a new Solera® awning.

Safety

Warning, Caution and Danger symbols indicate that an installation procedure has a safety risk involved and may cause death, serious injury or property damage if not performed safely and within the parameters set forth in this manual.

⚠ WARNING

Always wear eye protection when performing service or maintenance to the unit. Other safety equipment to consider includes hearing protection, gloves and possibly a full face shield, depending on the nature of the service.

⚠ CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

Resources Required

- 1 to 2 people depending on the task
- Measuring tape
- Non-permanent method of marking
- Level
- Step stool or ladder

Awning Sizes and Clearance Requirements

Prior to measuring, review the table below which details basic information needed for a successful awning order.

Awning	Support Arm Length and Name	Clearance needed from awning rail and top of entry	Other Key Details
Solera 18V	69" - Tall Arm	2-1/2"	Two-position pitch
Solera Smart Arm	63" - Short Arm	6"	Adjustable pitch
	69" - Tall Arm	2-1/2"	Flat adjustable pitch
Solera XL 12V	78" - XL Arm	4-1/2"	• 9'-8" projection canopy • Two-position pitch
Destination Solera	78" - XL Arm	N/A	Flat adjustable pitch
Hybrid Solera	60-1/2" - Short Arm	6"	Two-position pitch
	69" - Tall Arm	2-1/2"	Infinite adjustments
Classic Solera	63"-68" - Short Arm	At roof line, top of unit wall	Traditional manual spring roll up
	68"-81" - Standard Arm		
	81"-96" - Long Arm		

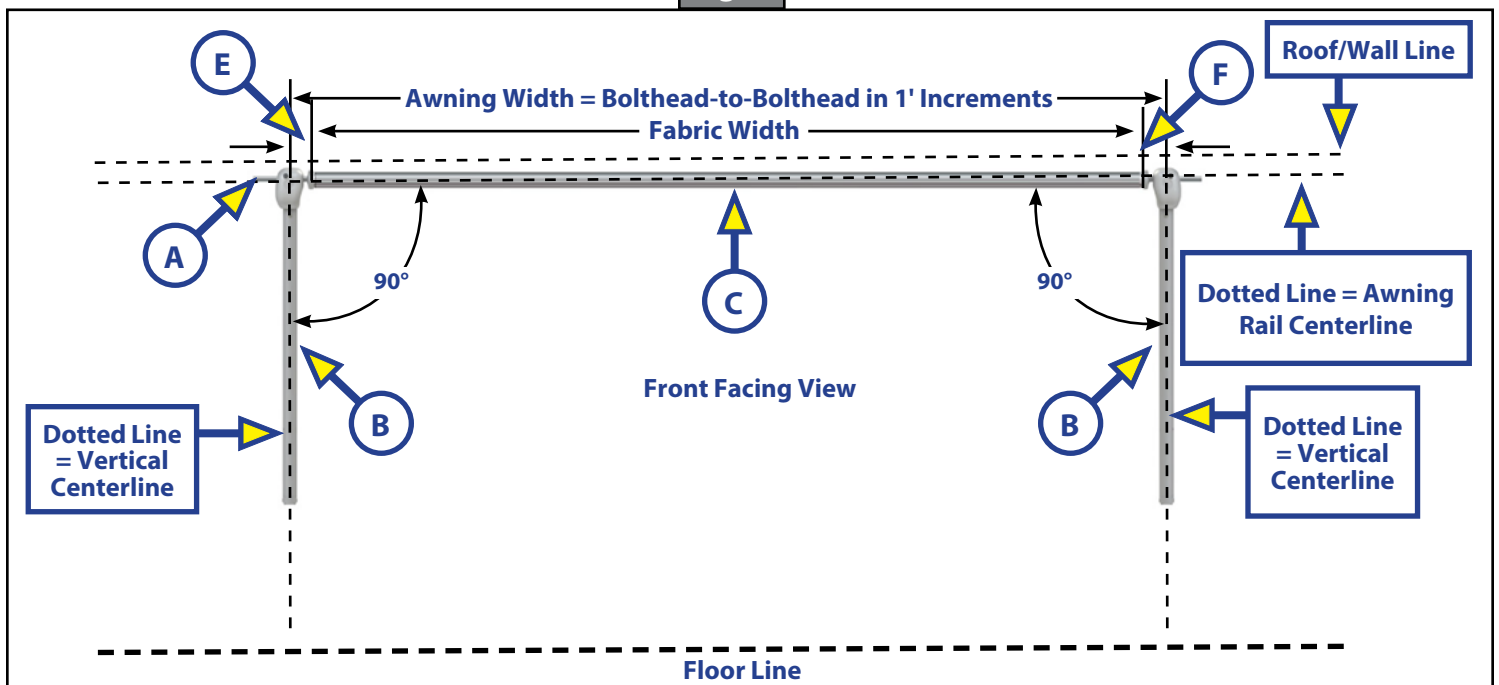
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Procedure for Positioning and Measuring for a New Awning

Determining Awning Location on Unit

- Typically, the awning will be on the door side/passenger side of the unit.
- The awning's support rail will need to clear the highest point of entry, whether it be a door or a window, by 2 1/2" to 6" (reference Awning Sizes and Clearance Requirements table on Pg. 1) and as close to the unit top (or roof/wall line) as possible.
- The awning's support arms, mounted vertically on the unit, will typically be 63" to 69" in height.
- Make sure the unit is perfectly level when making measurements.

Fig. 1



Callout	Description
A	Awning Rail
B	Support Arm Assembly
C	Roll Tube Assembly

NOTE: Note the centerline along the Roll Tube/Awning Rail (Fig. 1A and Fig. 1C). Measurements need to take into consideration that extra room will be needed above and below the centerline for the awning to fit correctly and safely.

NOTE: Notice the centerline along the Support Arm Assembly (Fig. 1B). Measurements need to take into consideration that extra room will be needed to the right and left of the centerline for the awning to fit correctly and safely.

NOTE: Fig. 1E and 1F reference space between the end of the fabric and the centerline of the support arm.

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Measuring For the Awning's Width, Awning Rail

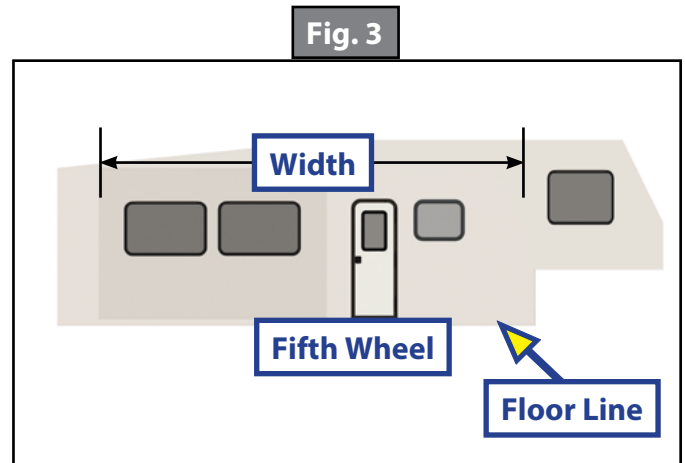
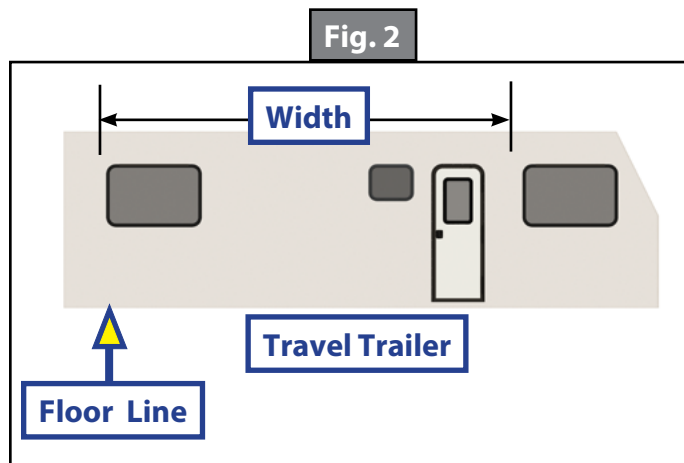
NOTE: The awning's width refers to the measurement of the awning rail running horizontally across (left to right) the side wall of the unit. This measurement is centerline of the left support arm to centerline of the right support arm (Fig. 1B).

1. Determine what is higher on the unit: the window or the door. Once determined, measure from above the highest point of entry considering specification needs of desired awning (reference the Awning Sizes and Clearance Requirements table on Pg. 1).
2. The awning rail will run across the unit anywhere between the minimum clearance height and the top of the unit roof/wall line (Fig. 1). Determine the desired placement of the awning rail using measurements, and make a level line across the unit using a non-permanent method of marking. Using a level may also be necessary.

NOTE: The awning rail must be level and parallel with the floor line of the unit.

3. On the awning rail line, mark the desired end points where the support arm assemblies will be placed.
NOTE: Make sure the support arm assemblies will not interfere with any lights, vents or other obstructions.
4. From end point to end point, measure along the line to determine the width of the awning rail.
NOTE: To order the awning, the width of the awning will be ordered in feet; rounding up to the next largest size.

NOTE: Record the measurement to ensure the correct awning size is ordered.



NOTE: Figures 2 and 3 provide a visual representation of where the width measurement for the awning rail might be made on a travel trailer (Fig. 2) or fifth wheel (Fig. 3) unit.

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Measuring For the Awning's Height, Support Arm

NOTE: The awning's height refers to the measurement of the support arm that will run vertically (up and down) the awning wall.

1. From the awning rail line, measure down perpendicularly to determine how much height is on the wall for the support arms.
2. Depending on measurement, decide which support arm is correct for the unit considering specification needs of desired awning referencing the Awning Sizes and Clearance Requirements table on Pg. 1.
3. Using a non-permanent method of marking, mark a perpendicular line from the awning rail down to the floor line at the desired placement of the support arm assemblies.

NOTE: Make sure the unit is perfectly level when making perpendicular lines to ensure accurate measurements and placement.

NOTE: This is the centerline of the support arm assembly. Please consider that extra room will be needed to the right and left the centerline for the awning to fit correctly and safely.

Fig. 4

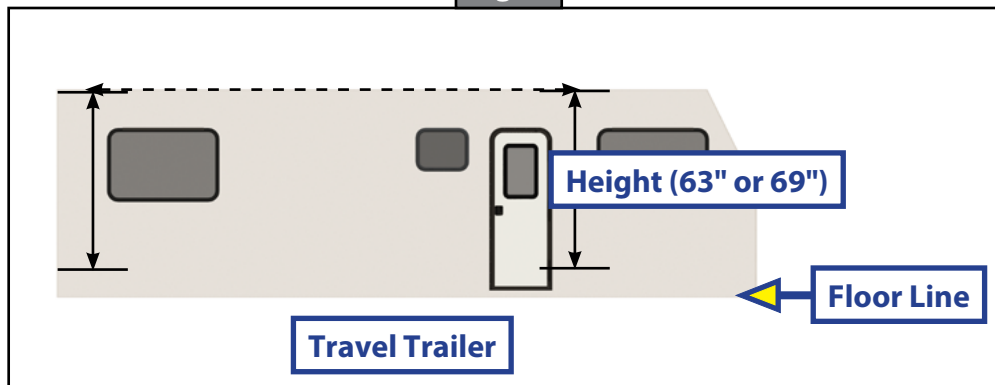
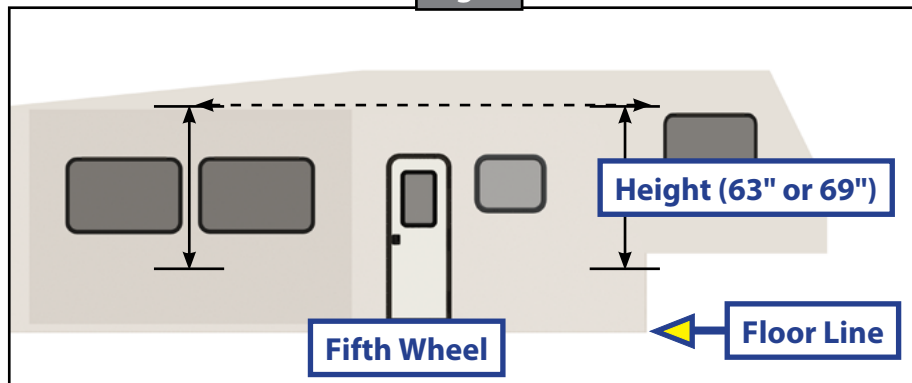


Fig. 5



NOTE: Figures 4 and 5 provide a visual representation of where the height measurement for the support arm assembly might be made on a Travel Trailer (Fig. 4) or Fifth Wheel (Fig. 5) unit. The dotted, horizontal line represents that width-referenced in Figures 2 and 3.

AWNINGS

How to use Measurements to Determine Awning Size for Purchase

- Have measurements written down correctly.
- Keep written notes in a convenient place so they can be easily referenced.
- Understand the awning order will begin with the awning width.

Using Lippert's Online Shopping Portal

1. Visit Lippert's home page, www.lippert.com.
2. Click the Shop Now icon (the shopping cart) near the bottom left hand corner of the screen to navigate to the online storefront.
3. At the top, center of the screen, click Shop by Department, then Awnings, and then Browse All to see all options.
 - A. Assemblies & Fabric: This subcategory of the online awning store will showcase complete awning kits and fabric.
 - B. Arms & Hardware: This subcategory of the online awning store will showcase complete specific awning arm kits and hardware kits.

NOTE: When ordering the awning, the width of the awning will be ordered in feet; rounding up to the next largest size.

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