EVO SC - Retractable Lateral Arm Awning

The EVO SC is the semi-cassette version of the EVO retractable awning system. It is suitable to be installed on pre-existing structures either on the outside wall, beneath an eave, or on the roof. The EVO SC awning can be motorized or with a manual gear spring assisted option for easily retracting the awning. Wind and other types of sensors are available to help extend the life of your awning. The arm is constructed with patented dual in-line compression and tension springs, stainless steel strands PVC coated belt, and double sealed bearing elbow joints tested to 60,000 cycles. All of these components are made of powder coated aluminum and/or steel for an unobtrusive design concept. The EVO SC utilizes the EVO arm bracket of which is a combination die-cast/extrusion to obtain the highest strength and still provide the maximum ease for pitch adjustment and installation. Thanks to the strength and the design of the arm bracket, EVO and EVO SC are the only awnings in the market that can safely go to a 13' 6" (162") projection still using a standard 40 x 40 mm square support bar.

Other cheaper awnings use lighter extrusions for the frame, non stainless springs for the arms or fabrics with less warranty. This leads to premature frame failure, or decreased frame performance over time. When the fabric wears out on these types of systems, the entire system usually needs to be replaced (if it has even made it that far to begin with).

Our installations and systems have been working great in Hawaii for over 20 years and because we are local, we can service your product or parts if it needs repair. It is also not uncommon for us to replace the fabric on one of our awnings when the fabric reaches the end of its life.

Linear Width	9′ to 40′
Projection	6′6″, 8′, 10′, 11′ 6″, 13′
Frame Finish	Powder Coated
Frame Colors	White, Mocha, Tan
Mounting Options	Wall, Soffit, Roof (possibly)
Pitch Adjustment	5° to 40°
Fabric Protection	Integrated Cassete Box
Unit Operation	Manual or Somfy Motor
Motor Controls	Wireless Hand or Wall Switches
Fabric Options	Tempotest Solid 10 Year Warranty
Valance Options	No Valance options

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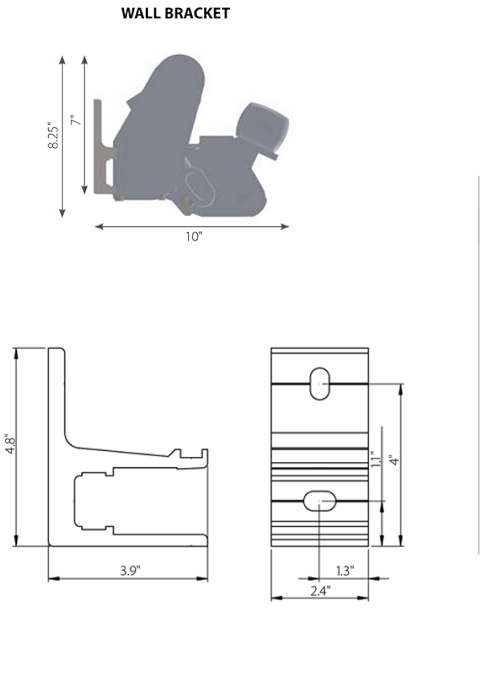
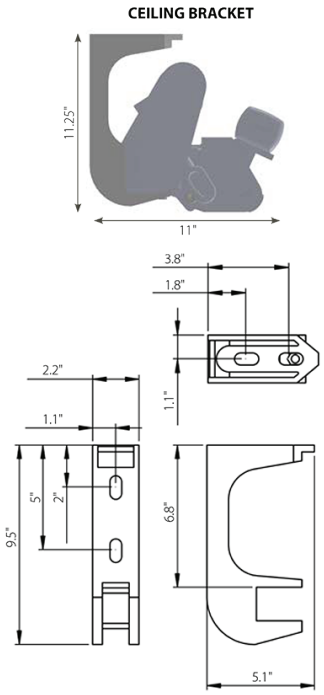
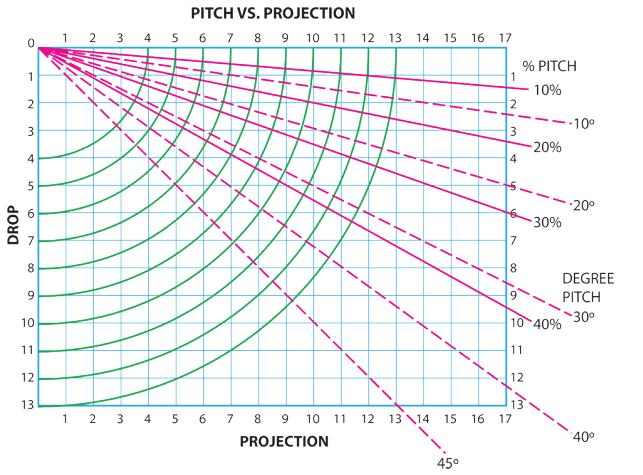
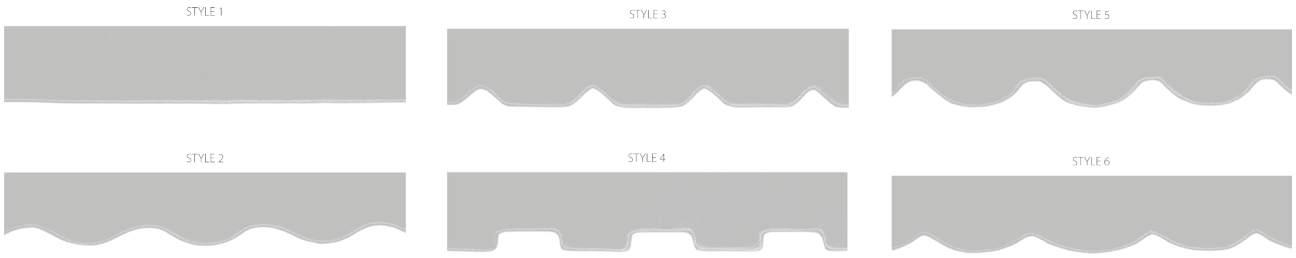






Go to your projection at the top of the chart and follow the green curve to at least the 20° pink dashed line. At that intersection, go to the left and find the manufacturer's recommended minimum drop. We should not set awnings with a slope less than this.



Pitch

The pitch of the awning can be adjusted during the year to provide maximum shading effect as the sun travels with the seasons. We recommend always maintaining a minimum 20 degree pitch to allow the awning to shed water. This should be taken into account when positioning the awning on the mounting surface as this will affect the position of the front bar relative to the ground. The chart above demonstrates the impact of pitch on the projection of the awning and drop of the front bar.

Table of Wind Resistance Classes

CLASS & WIND STRENGTH (BEAUFORT) - EUROPEAN STANDARD EN13561
Class 0 Wind Strength (Beaufort): 1–3 (light air to gentle breeze) Up to 19 km/h (1-8 mph)-Leaves and thin twigs are constantly moving.
Class 1 Wind Strength (Beaufort): 4 (moderate breeze) 20–28 km/h (13-17 mph)-Twigs and thin branches bend and waste paper is raised from the ground.
Class 2 Wind Strength (Beaufort): 5 (fresh breeze) 29–38 km/h (18-24 mph) –Moderate size branches sway and small bushes are shaken.
Class 3 Wind Strength (Beaufort): 6 (strong breeze) 39–49 km/h (25-30 mph) -Thick branches sway and umbrellas are difficult to hold.

Awnings are essentially intended to protect you from the sun and should be retracted when it rains. Our awnings are constructed of materials of sufficient strength and the cover is so resistant to vagaries of the weather that they may remain extended during light rain showers without suffering any damage provided that their pitch is sufficient to allow water to runoff of the awning and thereby preventing pooling of water between the arms. A minimum pitch of at least 20 degrees must be maintained and the cover has to be taut (this can be achieved by retracting the awning 2-3" after extending the awning to its full projection thus increasing the tension the arms are exerting on the fabric). An awning cover that has been rolled up while wet should be extended and allowed to dry when weather conditions permit and allowed to dry prior to retracting.