

# Schwank Patio Heaters Coverage Area

## Understanding your patio heater area coverage

Patio heaters are designed and engineered to support specific coverage area, which is the area that sees changes in temperature when the heaters is in operation. Even the slightest temperature change measured at the ground level is considered when estimating the total coverage area.

## What impacts a coverage area?

Several factors can affect the coverage area of the heaters. Certain types of materials and grills distort the radiant waves.

Certain types of surrounding material also absorb and provide convective heat differently. Essentially, this convective energy can be used to heat the surrounding space.

## Considerations for coverage area comfort

At Schwank we look at array of factors when designing a heater layout for a space:

- Wind
- Windblocks around the space
- Energy consumption
- Operating costs
- Installation costs

## How Schwank calculates the average coverage area of our patio heaters

Schwank documentation outlines coverage area based on test data using 63°F as a temperature range.

The test data summarized that using a 63°F temperature boundary surrounding the heater, determines the area where the heater delivers the most useful heat but also sets standard criteria for comparing different heaters.

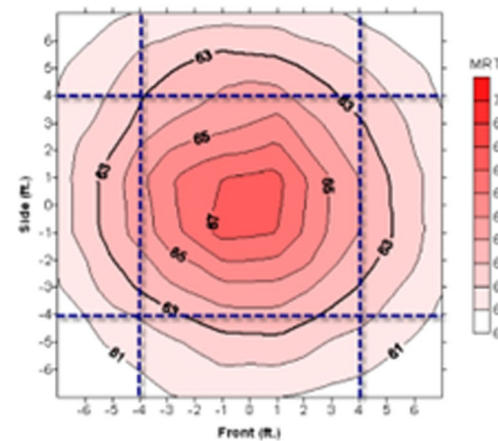


Figure 1

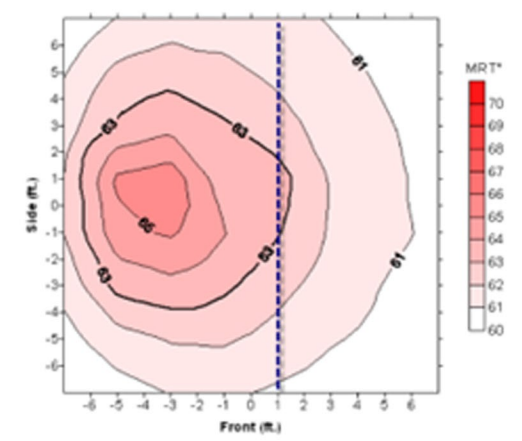


Figure 2

In Figure 1, the Effective Coverage Area of a supremeSchwank 2313 model is ~8ft x 8ft. However, if we include all areas affected by temperature, our coverage area would extend to ~12ft x 12ft.

In Figure 2, the unit is tested at a 30-degree angle. Again, the Effective Coverage Area may yield ~7ft (from the unit). However, the actual coverage area would extend to ~12ft.

## Schwank patio heater total coverage areas

When designing to create ideal comfort levels, Schwank Patio Heaters come in different sizes - each with a different heat map that could suit the requirements of the space. Schwank heaters can be mounted at either 0° or 30°. Refer to the visuals on the next page for the Effective vs. Total Coverage Area difference.



To learn more about coverage area and Schwank patio heaters please visit our blog

## bistroSchwank

With flexible mounting options, the bistroSchwank comes in single and 2-stage models. It's made with 316 marine-grade stainless steel to resist corrosion and comes in two finish options: stainless steel or black.

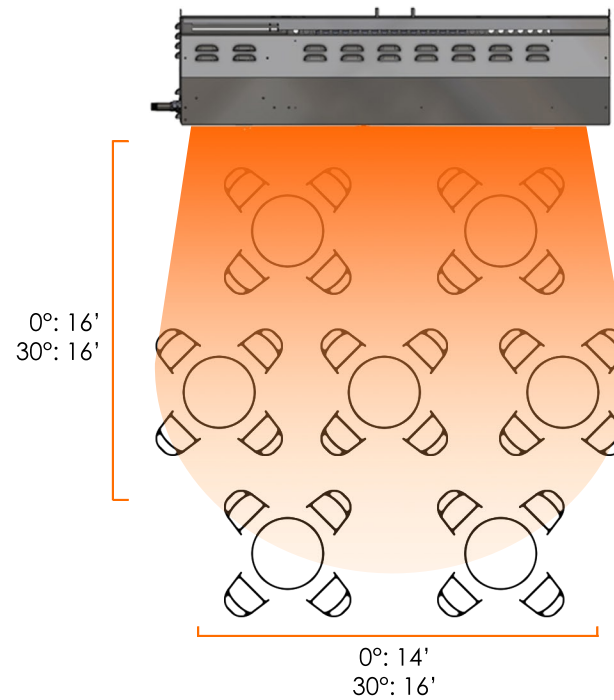
Heater coverage diagrams are based on 10' mounting height for all heaters.

TCA: Total Coverage Area

bistroSchwank Models: 2135 & 2150

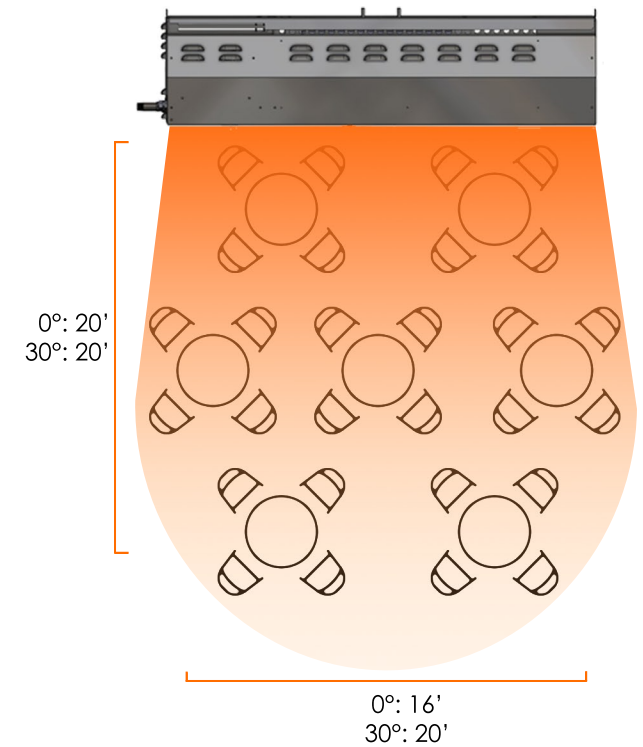
### Model: 2135

0° TCA: 224sqft  
30° TCA: 256sqft



### Model: 2150

0° TCA: 320sqft  
30° TCA: 400sqft



## supremeSchwank

Our premium outdoor heater comes in single and 2-stage models. It has an unassuming black finish and insulated cabinet, this allows low clearances to mount closer to structures and is made with 316 marine-grade stainless steel for premium performance construction and longevity in harsh environments and coastal regions.

Heater coverage diagrams are based on 10' mounting height for all heaters.

TCA: Total Coverage Area

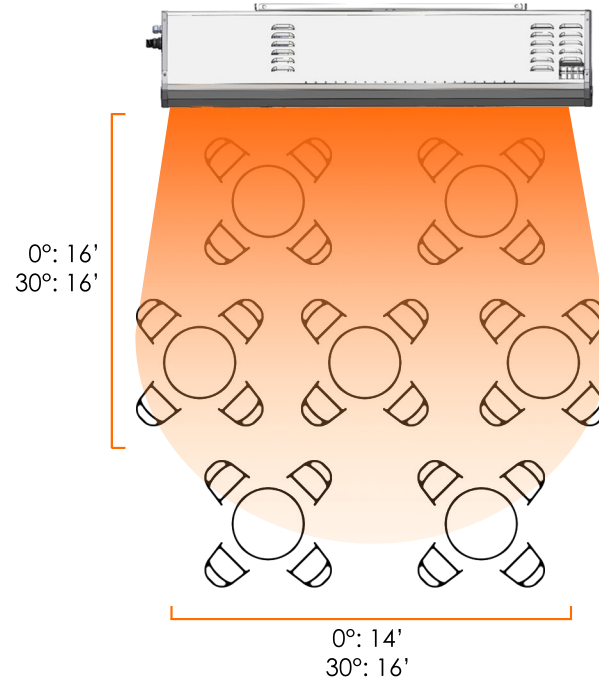
supremeSchwank Models: 2312, 2313 & 2352

### Model: 2312

0° TCA: 144sqft  
30° TCA: 168sqft

### Model: 2313

0° TCA: 224sqft  
30° TCA: 256sqft



### Model: 2352

0° TCA: 306sqft  
30° TCA: 352sqft

