SOLAR HEAT GAIN COEFFICIENT (SHGC)

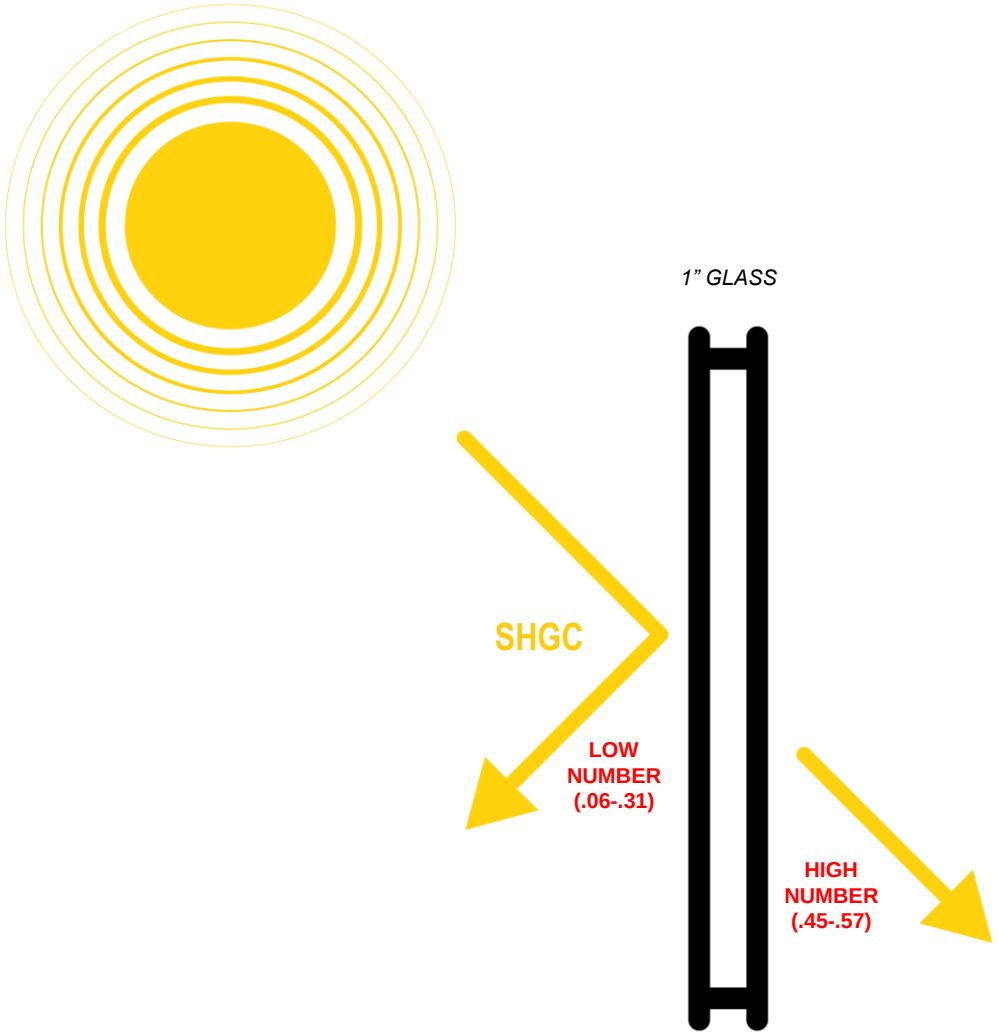
How well the door prevents or allows heat from the sun passing through to the interior of the building.

WHAT YOU NEED TO KNOW

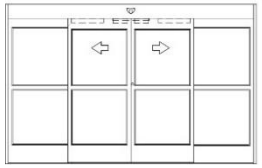
- Selectable depending on whether you want the heat from the sun in to warm a space or block it to keep it cool.
- Warmer climates want a low SHGC (.06-.31) because they want to keep their buildings cool
- Colder climates want this number to be higher (.45-.57) because they benefit from the free solar heat
- Dependent on climate zone, shading and orientation

REFERENCE NUMBERS

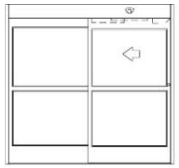
- Based on IECC C402.4.3
- ASHARE 90.1
- NFRC 200: 0.25 – 0.64
- Dura-Glide GreenStar: 0.06-.57



SHGC GUIDE | Warm Climates can block heat from sun; saving on cooling

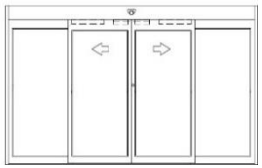


Bi-parting, 168” X 92“

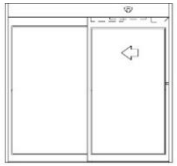


Single Slide, 96” X 92”

10” Bottom Rails, 2” Muntin, Narrow Stiles

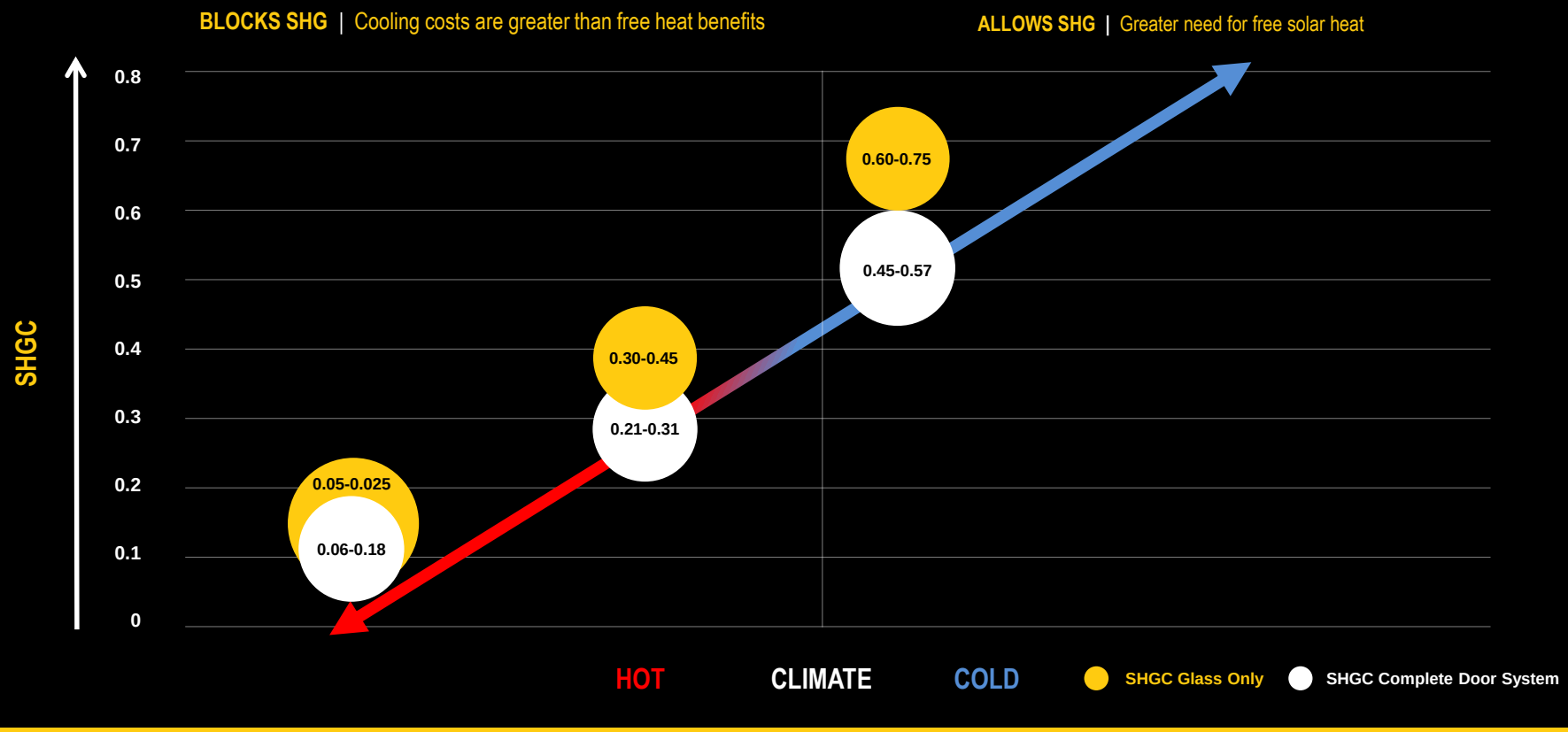


Bi-parting, 192” X 92“



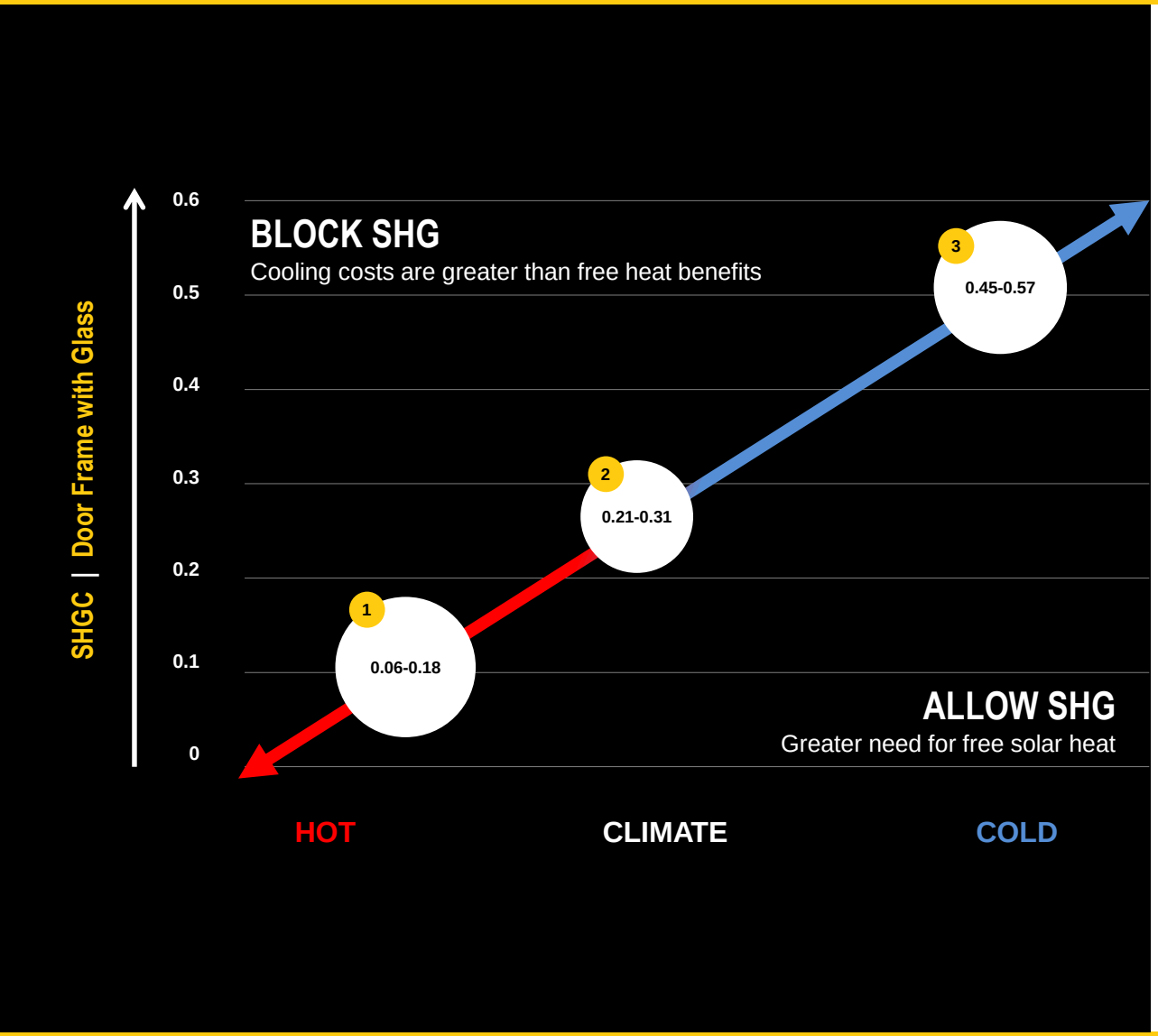
Single Slide 108” X 92“

4" Bottom Rails, No Muntins, Narrow Stiles



STANLEY

SHGC GUIDE | Door Package Configurations tied to SHGC



1 **0.06 – 0.18**

Recommend:
Bi-part 168” x 92” or Single Slide 96” x 92”, no transom, 1” glass, 10” bottom rail, 2” muntin, narrow stiles.

Center of glass SHGC before door frame 0.05-0.025

2 **0.21 – 0.31**

Recommend:
Bi-part 168” x 92” or Single Slide 96” x 92” no transom, 1” glass, 10” bottom rail, 2” muntin, narrow stiles.

Center of glass SHGC before door frame 0.30-0.45

3 **0.45 – 0.57**

Recommend:
Bi-part 192” x 92” or Single Slide 108” x 92” with transom, 1” glass, 4” bottom rails, no muntins, narrow stiles.

Center of glass SHGC w/o door frame 0.60-0.75