

**WC-251 Double Hung Tilt
Thermal Performance Ratings**

| MODEL CODE | LAYERS OF GLAZING | SHGC | U-FACTOR Btu/hft. F | U-FACTOR W/m2. K | ER | VT-Visible Transmittance 0 to 0.99 |
|---|-------------------|------|------------------------|---------------------|----|--|
| 180 ESC-Arg-Cl | 2 | 0.50 | 0.29 | 1.62 | 31 | 0.59 |
| 180 ESC-Arg-Cl (With Grilles) | 2 | 0.45 | 0.29 | 1.62 | 28 | 0.52 |
| 180 ESC-Arg-i89 | 2 | 0.48 | 0.24 | 1.38 | 35 | 0.56 |
| 180 ESC-Arg-i89 (With Grilles) | 2 | 0.43 | 0.24 | 1.38 | 32 | 0.51 |
| 180 ESC-Arg-Cl-Arg-180 ESC | 3 | 0.44 | 0.22 | 1.27 | 35 | 0.52 |
| 180 ESC-Arg-Cl-Arg-180 ESC (With Grilles) | 3 | 0.39 | 0.23 | 1.30 | 32 | 0.46 |
| 180 ESC-Arg-Cl-Arg-i89 | 3 | 0.44 | 0.23 | 1.31 | 34 | 0.53 |
| 180 ESC-Arg-Cl-Arg-i89 (With Grilles) | 3 | 0.39 | 0.24 | 1.36 | 30 | 0.47 |
| Cl-Arg-180 | 2 | 0.51 | 0.28 | 1.61 | 32 | 0.59 |
| Cl-Arg-180, (With Grilles) | 2 | 0.46 | 0.28 | 1.61 | 29 | 0.52 |
| 180-Arg-Cl | 2 | 0.48 | 0.28 | 1.60 | 30 | 0.59 |
| 180-Arg-i89 | 2 | 0.46 | 0.24 | 1.37 | 34 | 0.57 |
| 180-Arg-i89, (With Grilles) | 2 | 0.42 | 0.24 | 1.37 | 32 | 0.51 |

Structural Ratings

AAMA/WDMA/CSA 101/I.S.2/A440-08 and A440S1-14 | Size Tested: 1015 x 1600 mm (40" x 63") | R-PG45
 Positive Design Pressure = +2160 Pa (+45.11 psf) | Negative Design Pressure = -2160 Pa (-45.11 psf)
 Water Test Pressure: 400Pa | Canadian Air Infiltration/Exfiltration: A2

