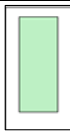
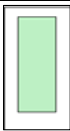
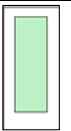
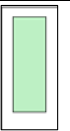
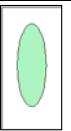
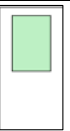
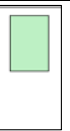
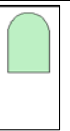
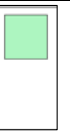





# 2016 ENERGY STAR® Qualification Chart



|                                  |                                |   |   |   |  |   |   |   |   |   |   |           |
|----------------------------------|--------------------------------|---|---|---|--|---|---|---|---|---|---|-----------|
| Non-Impact                       | Door Collection / Glass Design |  |  |  |  |  |  |  |  |  |  |           |
|                                  | Traditions Steel               |   |   |   |  |   |   |   |   |   |   |           |
|                                  | 6'8" Section                   |   |   |   |  |   |   |   |   |   |   |           |
|                                  | Glass Size (Inches)            | 22x64   | 20x64   | 16x64   | 14x64  | 20x56   | 22x36   | 20x36   | 22x36R  | 22x27   | 8x36R   | 8x36      |
|                                  | Blackstone®                    | .28 / .30   | .28 / .30   |   |  |   | .22 / .17   | .22 / .17   |   |   |   | .22 / .17 |
|                                  | Crystalline™                   | .28 / .30   |   |   |  |   | .22 / .17   | .22 / .17   | .22 / .17   |   | .22 / .17   | .22 / .17 |
|                                  | Sedona                         | .28 / .30   | .28 / .30   |   |  |   | .22 / .17   | .22 / .17   |   |   |   | .22 / .17 |
|                                  | Sedona Art                     | .28 / .30   | .28 / .30   |   |  |   | .22 / .17   | .22 / .17   |   |   |   | .22 / .17 |
|                                  | Salinas®                       | .34 / .32   | .34 / .32   |   |  |   | .26 / .18   | .26 / .18   | .26 / .18   |   |   | .26 / .18 |
|                                  | Element                        | .28 / .30   |   |   |  |   |   |   |   |   |   |           |
|                                  | Maple Park®                    | .28 / .30   | .28 / .30   |   |  |   | .22 / .17   |   |   |   |   | .22 / .17 |
|                                  | Avonlea®                       | .28 / .30   |   |   |  |   | .22 / .17   |   |   |   |   | .22 / .17 |
|                                  | Saratoga™                      | .28 / .30   | .28 / .30   |   |  |   | .22 / .17   | .22 / .17   |   |   |   | .22 / .17 |
|                                  | Arden®                         | .28 / .30   |   |   |  |   | .22 / .17   |   |   |   |   | .22 / .17 |
|                                  | Texas Star                     | .28 / .30   |   |   |  |   | .22 / .17   |   |   |   |   | .22 / .17 |
|                                  | Wellesley™                     | .28 / .30   | .28 / .30   | .24 / .23   |  |   | .22 / .17   | .22 / .17   |   |   |   | .22 / .17 |
|                                  | Riserva™                       | .34 / .32   | .34 / .32   |   |  |   | .26 / .18   | .26 / .18   |   |   |   | .26 / .18 |
|                                  | Concorde™                      | .28 / .30   | .28 / .30   | .24 / .23   |  | .22 / .17   | .22 / .17   | .22 / .17   | .22 / .17   |   | .22 / .17   | .22 / .17 |
|                                  | Kensington™                    | .28 / .30   |   |   |  |   | .22 / .17   |   |   |   |   | .22 / .17 |
|                                  | Crystal Diamonds™              | .28 / .30   | .28 / .30   |   |  | .22 / .17   | .22 / .17   | .22 / .17   |   |   | .22 / .17   | .22 / .17 |
|                                  | Axis™                          | .28 / .30   | .28 / .30   | .24 / .23   |  |   | .22 / .17   | .22 / .17   |   |   |   | .22 / .17 |
|                                  | Frosted Images®                | .36 / .34   |   |   |  |   | .27 / .19   |   |   |   | .27 / .19   |           |
|                                  | Privacy Glass                  | .28 / .30   | .28 / .30   | .24 / .23   |  |   | .22 / .17   | .22 / .17   |   |   |   | .22 / .17 |
|                                  | Clear with Internal Blinds     | .38 / .29   | .38 / .29   | .32 / .22   |  |   | .28 / .16   | .28 / .16   |   |   |   |           |
|                                  | Clear with Divided Lites       | .36 / .34   | .36 / .34   |   | .27 / .19  |   | .27 / .19   | .27 / .19   | .27 / .19   | .27 / .19   | .27 / .19   | .27 / .19 |
| Clear with Grilles Between Glass | .36 / .32                      | .36 / .32   |   | .27 / .18   |  | .27 / .18   |   |   |   |   | .27 / .18   |           |
| Clear Glass                      | .36 / .34                      | .36 / .34   |   | .27 / .19   |  | .27 / .19   | .27 / .19   | .27 / .19   | .27 / .19   | .27 / .19   | .27 / .19   |           |
| Low-E with Internal Blinds       | .33 / .24                      | .33 / .24   | .28 / .18   |   |  | .25 / .14   | .25 / .14   |   |   |   | .25 / .14   |           |
| Low-E with Divided Lites         | .30 / .19                      | .30 / .19   | .27 / .14   | .24 / .11   |  | .24 / .11   | .24 / .11   | .24 / .11   | .24 / .11   | .24 / .11   | .24 / .11   |           |
| Low-E with Grilles Between Glass | .30 / .18                      | .30 / .18   | .26 / .13   | .23 / .10   |  | .23 / .10   |   |   |   |   | .23 / .10   |           |
| Low-E Glass                      | .30 / .19                      | .30 / .19   | .27 / .14   | .24 / .11   |  | .24 / .11   | .24 / .11   | .24 / .11   | .24 / .11   | .24 / .11   | .24 / .11   |           |

|     |   |  |
|-----|---|--|
| Key | Indicates Product is Energy Star Qualified in all 50 States | Numbers: U-Factor / Solar Heat Gain Coefficient<br>X: Indicates Product Availability |
|     | Indicates Product is Energy Star Qualified in Northern Zone |  |
|     | Indicates Product is NOT Energy Star Qualified              |  |



# 2016 ENERGY STAR® Qualification Chart



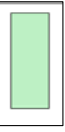
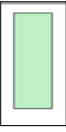
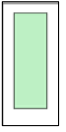
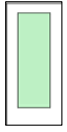
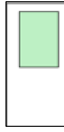
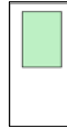
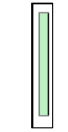
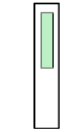
|            |                                  |               |               |             |             |            |               |             |             |              |            |
|------------|----------------------------------|---------------|---------------|-------------|-------------|------------|---------------|-------------|-------------|--------------|------------|
| Non-Impact | Door Collection / Glass Design   |               |               |             |             |            |               |             |             |              |            |
|            | <b>Traditions Steel</b>          |               |               |             |             |            |               |             |             |              |            |
|            | <b>6'8" Section</b>              |               |               |             |             |            |               |             |             |              |            |
|            | <b>Glass Size (Inches)</b>       | <b>22x10A</b> | <b>22x10R</b> | <b>22x6</b> | <b>7x18</b> | <b>8x6</b> | <b>OPAQUE</b> | <b>7x64</b> | <b>8x36</b> | <b>8x36R</b> | <b>8x6</b> |
|            | Blackstone®                      |               |               |             |             |            |               | .19 / .09   | .19 / .09   |              |            |
|            | Crystalline™                     |               | .19 / .09     |             | .19 / .09   | .19 / .09  |               | .19 / .09   | .19 / .09   | .19 / .09    | .19 / .09  |
|            | Sedona                           |               |               |             |             |            |               | .19 / .09   | .19 / .09   |              |            |
|            | Sedona Art                       |               |               |             |             |            |               | .19 / .09   | .19 / .09   |              |            |
|            | Salinas®                         |               |               |             |             |            |               | .21 / .09   | .21 / .09   |              |            |
|            | Element                          |               |               |             |             |            |               | .19 / .09   |             |              |            |
|            | Maple Park®                      | .19 / .09     |               |             |             |            |               | .19 / .09   | .19 / .09   |              |            |
|            | Avonlea®                         |               |               |             |             |            |               | .19 / .09   | .19 / .09   |              |            |
|            | Saratoga™                        | .19 / .09     |               |             |             |            |               | .19 / .09   | .19 / .09   |              |            |
|            | Arden®                           |               |               |             |             |            |               | .19 / .09   | .19 / .09   |              |            |
|            | Texas Star                       |               |               |             |             |            |               | .19 / .09   | .19 / .09   |              |            |
|            | Wellesley™                       | .19 / .09     |               |             |             |            |               | .19 / .09   | .19 / .09   |              |            |
|            | Riserva™                         |               |               |             |             |            |               | .21 / .09   | .21 / .09   |              |            |
|            | Concorde™                        | .19 / .09     | .19 / .09     |             |             |            |               | .19 / .09   | .19 / .09   | .19 / .09    |            |
|            | Kensington™                      |               |               |             |             |            |               | .19 / .09   | .19 / .09   |              |            |
|            | Crystal Diamonds™                |               | .19 / .09     |             |             |            |               | .19 / .09   | .19 / .09   | .19 / .09    |            |
|            | Axis™                            |               |               |             |             | .19 / .09  |               | .19 / .09   | .19 / .09   |              | .19 / .09  |
|            | Frosted Images®                  |               | .21 / .10     |             |             |            |               | .21 / .10   | .21 / .10   | .21 / .10    |            |
|            | Privacy Glass                    | .19 / .09     | .19 / .09     |             |             | .19 / .09  |               | .19 / .09   | .19 / .09   |              | .19 / .09  |
|            | Clear with Internal Blinds       |               |               |             |             |            |               | .22 / .08   | .22 / .08   |              |            |
|            | Clear with Divided Lites         | .21 / .10     | .21 / .10     | .21 / .10   |             |            |               | .21 / .10   | .21 / .10   | .21 / .10    |            |
|            | Clear with Grilles Between Glass | .21 / .09     | .21 / .09     |             |             |            |               | .21 / .09   | .21 / .09   |              |            |
|            | Clear Glass                      | .21 / .10     | .21 / .10     |             | .21 / .10   | .21 / .10  |               | .21 / .10   | .21 / .10   | .21 / .10    | .21 / .10  |
|            | Low-E with Internal Blinds       |               |               |             |             |            |               | .21 / .07   | .21 / .07   | .21 / .07    |            |
|            | Low-E with Divided Lites         | .20 / .06     | .20 / .06     | .20 / .06   |             |            |               | .20 / .06   | .20 / .06   | .20 / .06    |            |
|            | Low-E with Grilles Between Glass | .19 / .05     | .19 / .05     |             |             |            |               | .19 / .05   | .19 / .05   |              |            |
|            | Low-E Glass                      | .20 / .06     | .20 / .06     |             | .19 / .06   | .20 / .06  |               | .20 / .06   | .20 / .06   | .20 / .06    | .20 / .06  |
|            | Solid Panel                      |               |               |             |             |            | .14 / .01     |             |             |              |            |

|     |   |  |
|-----|---|--|
| Key | Indicates Product is Energy Star Qualified in all 50 States | Numbers: U-Factor / Solar Heat Gain Coefficient<br>X: Indicates Product Availability |
|     | Indicates Product is Energy Star Qualified in Northern Zone |  |
|     | Indicates Product is NOT Energy Star Qualified              |  |



# 2016 ENERGY STAR® Qualification Chart



|                                  |                                |   |   |   |   |   |   |   |   |
|----------------------------------|--------------------------------|---|---|---|---|---|---|---|---|
| Impact                           | Door Collection / Glass Design |  |  |  |  |  |  |  |  |
|                                  | Traditions Steel               |   |   |   |   |   |   |   |   |
|                                  | 6'8" Section                   |   |   |   |   |   |   |   |   |
|                                  | Glass Size (Inches)            | 22x64   | 20x64   | 16x64   | 14x64   | 22x36   | 20x36   | 7x64  | 8x36  |
|                                  | Blackstone®                    | .29 / .29   | .29 / .29   |   |   | .23 / .16   | .23 / .16   | .19 / .08   | .19 / .08   |
|                                  | Crystalline™                   | .29 / .29   | .29 / .29   |   |   | .23 / .16   | .23 / .16   | .19 / .08   | .19 / .08   |
|                                  | Salinas®                       | .32 / .30   |   |   |   | .24 / .17   |   | .20 / .09   | .20 / .09   |
|                                  | Element                        | .29 / .29   |   |   |   |   |   | .19 / .08   |   |
|                                  | Maple Park®                    | .29 / .29   |   |   |   | .23 / .16   |   | .19 / .08   | .19 / .08   |
|                                  | Avonlea®                       | .29 / .29   |   |   |   | .23 / .16   |   | .19 / .08   | .19 / .08   |
|                                  | Saratoga™                      | .29 / .29   | .29 / .29   |   |   | .23 / .16   | .23 / .16   | .19 / .08   | .19 / .08   |
|                                  | Arden®                         | .29 / .29   |   |   |   | .23 / .16   |   | .19 / .08   | .19 / .08   |
|                                  | Texas Star                     | .29 / .29   |   |   |   | .23 / .16   |   | .19 / .08   | .19 / .08   |
|                                  | Wellesley™                     | .29 / .29   | .29 / .29   |   |   | .23 / .16   | .23 / .16   | .19 / .08   | .19 / .08   |
|                                  | Riserva™                       | .32 / .30   |   |   |   | .24 / .17   |   | .20 / .09   | .20 / .09   |
|                                  | Concorde™                      | .29 / .29   | .29 / .29   |   |   | .23 / .16   | .23 / .16   | .19 / .08   | .19 / .08   |
|                                  | Kensington™                    | .29 / .29   |   |   |   | .23 / .16   |   | .19 / .08   | .19 / .08   |
|                                  | Crystal Diamonds™              | .29 / .29   | .29 / .29   |   |   | .23 / .16   | .23 / .16   | .19 / .08   | .19 / .08   |
|                                  | Axis™                          | .29 / .29   |   |   |   | .23 / .16   |   |   |   |
|                                  | Frosted Images®                | .32 / .32   | .32 / .32   |   |   | .24 / .18   |   | .20 / .09   | .20 / .09   |
| Privacy Glass                    | .29 / .29                      | .29 / .29   |   |   | .23 / .16   |   | .19 / .08   | .19 / .08   |   |
| Clear with Divided Lites         | .32 / .32                      | .32 / .32   |   | .24 / .18   | .24 / .18   | .24 / .18   | .20 / .09   | .20 / .09   |   |
| Clear with Grilles Between Glass | .33 / .30                      | .33 / .30   |   | .25 / .17   | .25 / .17   |   | .20 / .09   | .20 / .09   |   |
| Clear Glass                      | .32 / .32                      | .32 / .32   |   | .24 / .18   | .24 / .18   | .24 / .18   | .20 / .09   | .20 / .09   |   |
| Low-E with Divided Lites         | .25 / .18                      | .25 / .18   | .27 / .14   | .20 / .10   | .20 / .10   | .20 / .10   | .18 / .06   | .18 / .06   |   |
| Low-E with Grilles Between Glass | .26 / .17                      | .26 / .17   | .26 / .13   | .21 / .10   | .21 / .10   |   | .18 / .05   | .18 / .05   |   |
| Low-E Glass                      | .25 / .18                      | .25 / .18   | .27 / .14   | .20 / .10   | .20 / .10   | .20 / .10   | .18 / .06   | .18 / .06   |   |

|     |   |  |
|-----|---|--|
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# 2016 ENERGY STAR® Qualification Chart



| Non-Impact | Door Collection / Glass Design   |           |           |           |           |           |           |           |           |           |
|------------|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|            | Traditions Steel (Wood Edge)     |           |           |           |           |           |           |           |           |           |
|            | 8'0" Section                     |           |           |           |           |           |           |           |           |           |
|            | Glass Size (Inches)              | 22x80     | 20x80     | 14x80     | 22x47     | 22x10A    | 22x6      | 8x6       | OPAQUE    | 7x80      |
|            | Blackstone®                      | .28 / .30 | .28 / .30 |           | .24 / .23 |           |           |           |           | .22 / .17 |
|            | Crystalline™                     | .28 / .30 | .28 / .30 |           | .24 / .23 |           |           |           |           | .22 / .17 |
|            | Sedona                           |           |           |           | .24 / .23 |           |           |           |           |           |
|            | Sedona Art                       |           |           |           | .24 / .23 |           |           |           |           | .22 / .17 |
|            | Salinas®                         | .34 / .32 | .34 / .32 |           | .30 / .24 |           |           |           |           | .26 / .18 |
|            | Maple Park®                      |           |           |           | .24 / .23 | .19 / .09 |           |           |           |           |
|            | Avonlea®                         |           |           |           | .24 / .23 |           |           |           |           |           |
|            | Saratoga™                        |           |           |           | .24 / .23 | .19 / .09 |           |           |           | .22 / .17 |
|            | Arden®                           |           |           |           | .24 / .23 |           |           |           |           |           |
|            | Texas Star                       |           |           |           | .24 / .23 |           |           |           |           |           |
|            | Wellesley™                       | .28 / .30 | .28 / .30 |           | .24 / .23 | .19 / .09 |           |           |           | .22 / .17 |
|            | Riserva™                         | .34 / .32 | .34 / .32 |           | .30 / .24 |           |           |           |           | .26 / .18 |
|            | Concorde™                        | .28 / .30 | .28 / .30 |           | .24 / .23 | .19 / .09 |           |           |           | .22 / .17 |
|            | Kensington™                      |           |           |           | .24 / .23 |           |           |           |           |           |
|            | Crystal Diamonds™                |           |           |           | .24 / .23 |           |           |           |           |           |
|            | Axis™                            | .28 / .30 | .28 / .30 |           | .24 / .23 |           |           | .19 / .09 |           |           |
|            | Frosted Images®                  |           |           |           | .29 / .25 |           |           |           |           |           |
|            | Privacy Glass                    | .28 / .30 | .28 / .30 |           | .24 / .23 |           |           |           |           | .22 / .17 |
|            | Clear with Internal Blinds       | .38 / .29 | .38 / .29 |           |           |           |           |           |           | .28 / .16 |
|            | Clear with Divided Lites         | .36 / .34 | .36 / .34 |           | .29 / .25 | .21 / .10 | .21 / .10 |           |           | .26 / .19 |
|            | Clear with Grilles Between Glass | .36 / .32 | .36 / .32 | .31 / .24 | .29 / .24 | .21 / .09 |           |           |           | .26 / .18 |
|            | Clear Glass                      | .36 / .34 | .36 / .34 |           | .29 / .25 |           |           | .21 / .10 |           | .26 / .19 |
|            | Low-E with Internal Blinds       | .33 / .24 | .33 / .24 |           |           |           |           |           |           | .25 / .14 |
|            | Low-E with Divided Lites         | .30 / .19 | .30 / .19 |           | .24 / .14 | .20 / .06 | .20 / .06 |           |           | .22 / .10 |
|            | Low-E with Grilles Between Glass | .30 / .18 | .30 / .18 | .26 / .13 | .24 / .13 | .19 / .05 |           |           |           | .22 / .10 |
|            | Low-E Glass                      | .30 / .19 | .30 / .19 |           | .24 / .14 |           |           | .20 / .05 |           | .22 / .10 |
|            | Solid Panel                      |           |           |           |           |           |           |           | .14 / .01 |           |

|     |   |  |
|-----|---|--|
| Key | Indicates Product is Energy Star Qualified in all 50 States | Numbers: U-Factor / Solar Heat Gain Coefficient<br>X: Indicates Product Availability |
|     | Indicates Product is Energy Star Qualified in Northern Zone |  |
|     | Indicates Product is NOT Energy Star Qualified              |  |



# 2016 ENERGY STAR® Qualification Chart



|                                  |                                  |                              |           |           |           |           |  |
|----------------------------------|----------------------------------|------------------------------|-----------|-----------|-----------|-----------|--|
| Impact                           | Door Collection / Glass Design   |                              |           |           |           |           |  |
|                                  |                                  | Traditions Steel (Wood Edge) |           |           |           |           |  |
|                                  | 8'0" Section                     |                              |           |           |           |           |  |
|                                  | Glass Size (Inches)              | 22x80                        | 20x80     | 14x80     | 22x47     | 7x80      |  |
|                                  | Blackstone®                      | .29 / .29                    | .29 / .29 |           | .26 / .22 | .23 / .16 |  |
|                                  | Crystalline™                     | .29 / .29                    | .29 / .29 |           | .26 / .22 | .23 / .16 |  |
|                                  | Salinas®                         | .32 / .30                    |           |           | .28 / .23 | .24 / .17 |  |
|                                  | Element                          |                              |           |           |           |           |  |
|                                  | Maple Park®                      |                              |           |           | .26 / .22 |           |  |
|                                  | Avonlea®                         |                              |           |           | .26 / .22 |           |  |
|                                  | Saratoga™                        |                              |           |           | .26 / .22 | .23 / .16 |  |
|                                  | Arden®                           |                              |           |           | .26 / .22 |           |  |
|                                  | Texas Star                       |                              |           |           | .26 / .22 |           |  |
|                                  | Wellesley™                       | .29 / .29                    | .29 / .29 |           | .26 / .22 | .23 / .16 |  |
|                                  | Riserva™                         | .32 / .30                    |           |           | .28 / .23 | .24 / .17 |  |
|                                  | Concorde™                        | .29 / .29                    | .29 / .29 |           | .26 / .22 | .23 / .16 |  |
|                                  | Kensington™                      |                              |           |           | .26 / .22 |           |  |
|                                  | Crystal Diamonds™                |                              |           |           | .26 / .22 |           |  |
|                                  | Axis™                            | .29 / .29                    | .29 / .29 |           | .26 / .22 | .23 / .16 |  |
|                                  | Frosted Images®                  | .32 / .32                    | .32 / .32 |           | .28 / .24 | .24 / .18 |  |
|                                  | Privacy Glass                    | .29 / .29                    | .29 / .29 |           | .26 / .22 | .23 / .16 |  |
|                                  | Clear with Divided Lites         | .32 / .32                    | .32 / .32 |           |           |           |  |
|                                  | Clear with Grilles Between Glass | .33 / .30                    | .33 / .30 | .28 / .24 | .28 / .23 | .25 / .17 |  |
|                                  | Clear Glass                      | .32 / .32                    | .32 / .32 | .28 / .24 | .28 / .24 | .24 / .18 |  |
| Low-E with Divided Lites         | .25 / .18                        | .25 / .18                    |           |           |           |           |  |
| Low-E with Grilles Between Glass | .26 / .17                        | .26 / .17                    | .23 / .13 | .23 / .13 | .21 / .10 |           |  |
| Low-E Glass                      | .25 / .18                        | .25 / .18                    | .22 / .14 | .22 / .14 | .20 / .10 |           |  |

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