

**8382 Hybrid Single Hung Air, Water, Structural Performance**  
(per AAMA/WDMA/CSA 101/I.S.2/A440-05)

Rating (DP) <sub>1</sub>	Max. Structural Pressure	Water Infiltration <sub>2</sub>	Air Infiltration <sub>3</sub>	Size Tested
R40	60.00	10.50	0.15	44 x 66
R35	52.50	7.50	0.09	44 x 66

<sub>1</sub> Structural Test Pressure (psf) tested to at least 150% of DP rating

<sub>2</sub> Water Infiltration (psf) tested to at least 15% of DP rating

<sub>3</sub> Air infiltration units = scfm/ft<sup>2</sup>

EnergyStar Qualification			
Northern	N. Central	S. Central	Southern

**8382 Hybrid Single Hung Thermal Performance**

per NFRC 100 & 200 (values in parentheses have grids)

Glass Type	Unit u-value	u-value FF <sub>7</sub>	Unit SHGC <sub>5</sub>	Unit VLT <sub>6</sub>
<i>Clear insulating glass (clear/clear)</i>				
Clear	0.45	0.44	0.63 (0.56)	0.65 (0.58)

<i>Stock Low E insulating glass (RLE 63/31<sub>11</sub> low e/clear, surface #2)</i>				
RLE 63/31	0.31	0.30	0.25 (0.23)	0.50 (0.45)
RLE 63/31/Argon	0.27	0.27	0.25 (0.23)	0.50 (0.45)

<i>Low E insulating glass (RLE 71/38<sub>11</sub> low e/clear, surface #2)</i>				
RLE 71/38	0.31	0.30	0.31 (0.28)	0.57 (0.50)
RLE 71/38/Argon	0.27	0.27	0.31 (0.28)	0.57 (0.50)

<i>Reversed Low E insulating glass (clear/RLE 71/38 low e, surface #3)<sub>9</sub></i>				
RLE 71/38	0.31	0.30	0.39 (0.35)	0.57 (0.50)
RLE 71/38/Argon	0.27	0.27	0.39 (0.35)	0.57 (0.50)

<i>Triple insulating glass (low e/clear/low e, surface #2,#5)</i>				
RLE 71/38/CLR/RLE 71/38/Argon <sub>8</sub>	0.23 (0.24)	0.23 (0.24)	0.27 (0.24)	0.45 (0.40)
RLE 71/38/CLR/RLE 71/38/Blend <sub>8,10</sub>	0.20 (0.21)	0.20	0.27 (0.24)	0.45 (0.40)
RLE 71/38/CLR/RLE 71/38/Krypton <sub>8</sub>	0.18 (0.19)	0.18	0.27 (0.24)	0.45 (0.40)

<sub>5</sub> Solar Heat Gain Coefficient (with grids)

<sub>6</sub> Visible Light Transmission (with grids)

<sub>7</sub> Optional Foam Insulation. **F** indicates EnergyStar qualification with foam insulation option.

<sub>8</sub> Subject to glass size limitations

<sub>9</sub> Low E coating on surface #3 to increase SHGC

<sub>10</sub> Blend for triple IG is Krypton in one airspace, Argon in the other.

<sub>11</sub> 71/38 Low E is regular residential SHGC glass. 63/31 Low E is **low** SHGC glass.

Note: Some listed options may require special pricing and have extended lead times