

NFRC Certification Data as of 12/5/11

| Casement | | | | | | |
|----------|-------------|----------|---------|----------|------|------|
| Type | Glass* | Grids | # Panes | U factor | SHG | VT |
| Casement | LoE 272 | No Grids | Double | 0.27 | 0.26 | 0.44 |
| Casement | LoE 272 | Grids | Double | 0.27 | 0.23 | 0.39 |
| Casement | LoE 272 | No Grids | Triple | 0.22 | 0.24 | 0.40 |
| Casement | LoE 272 | Grids | Triple | 0.22 | 0.22 | 0.36 |
| Casement | LoE 366 | No Grids | Double | 0.26 | 0.17 | 0.39 |
| Casement | LoE 366 | Grids | Double | 0.26 | 0.16 | 0.35 |
| Casement | Dbl LoE 272 | No Grids | Triple | 0.19 | 0.22 | 0.35 |
| Casement | Dbl LoE 272 | Grids | Triple | 0.19 | 0.20 | 0.31 |

| Large Picture Window | | | | | | |
|----------------------|-------------|----------|---------|----------|------|------|
| Type | Glass* | Grids | # Panes | U factor | SHG | VT |
| Large PW | LoE 272 | No Grids | Double | 0.27 | 0.31 | 0.53 |
| Large PW | LoE 272 | Grids | Double | 0.27 | 0.28 | 0.47 |
| Large PW | LoE 272 | No Grids | Triple | 0.21 | 0.29 | 0.49 |
| Large PW | LoE 272 | Grids | Triple | 0.21 | 0.26 | 0.43 |
| Large PW | LoE 366 | No Grids | Double | 0.26 | 0.21 | 0.48 |
| Large PW | LoE 366 | Grids | Double | 0.26 | 0.19 | 0.43 |
| Large PW | Dbl LoE 272 | No Grids | Triple | 0.17 | 0.27 | 0.43 |
| Large PW | Dbl LoE 272 | Grids | Triple | 0.17 | 0.24 | 0.38 |

| Double Hung | | | | | | |
|-------------|---------|----------|---------|----------|------|------|
| Type | Glass* | Grids | # Panes | U factor | SHG | VT |
| Double Hung | LoE 272 | No Grids | Double | 0.29 | 0.30 | 0.53 |
| Double Hung | LoE 272 | Grids | Double | 0.29 | 0.27 | 0.47 |
| Double Hung | LoE 366 | No Grids | Double | 0.28 | 0.20 | 0.47 |
| Double Hung | LoE 366 | Grids | Double | 0.28 | 0.18 | 0.47 |

| Single Hung (with reinforced lift/check rails) | | | | | | |
|--|---------|----------|---------|----------|------|------|
| Type | Glass* | Grids | # Panes | U factor | SHG | VT |
| Single Hung | LoE 272 | No Grids | Double | 0.30 | 0.33 | 0.57 |
| Single Hung | LoE 272 | Grids | Double | 0.30 | 0.30 | 0.51 |
| Single Hung | LoE 366 | No Grids | Double | 0.30 | 0.22 | 0.51 |
| Single Hung | LoE 366 | Grids | Double | 0.30 | 0.20 | 0.46 |

| Single Slider (with reinforced pull/check rails) | | | | | | |
|--|---------|----------|---------|----------|------|------|
| Type | Glass* | Grids | # Panes | U factor | SHG | VT |
| Single Slider | LoE 272 | No Grids | Double | 0.30 | 0.34 | 0.58 |
| Single Slider | LoE 272 | Grids | Double | 0.30 | 0.30 | 0.52 |
| Single Slider | LoE 366 | No Grids | Double | 0.29 | 0.22 | 0.52 |
| Single Slider | LoE 366 | Grids | Double | 0.29 | 0.20 | 0.46 |

| Sliding Patio Door | | | | | | |
|--------------------|-------------|----------|---------|----------|------|------|
| Type | Glass* | Grids | # Panes | U factor | SHG | VT |
| Patio Door | LoE 272 | No Grids | Double | 0.30 | 0.32 | 0.55 |
| Patio Door | LoE 272 | Grids | Double | 0.30 | 0.28 | 0.48 |
| Patio Door | LoE 366 | No Grids | Double | 0.29 | 0.21 | 0.50 |
| Patio Door | LoE 366 | Grids | Double | 0.29 | 0.19 | 0.43 |
| Patio Door | LoE 272 | No Grids | Triple | 0.27 | 0.30 | 0.50 |
| Patio Door | LoE 272 | Grids | Triple | 0.27 | 0.26 | 0.44 |
| Patio Door | Dbl LoE 272 | No Grids | Triple | 0.23 | 0.27 | 0.44 |
| Patio Door | Dbl LoE 272 | Grids | Triple | 0.24 | 0.24 | 0.38 |

| Awning | | | | | | |
|--------|-------------|----------|---------|----------|------|------|
| Type | Glass* | Grids | # Panes | U factor | SHG | VT |
| Awning | LoE 272 | No Grids | Double | 0.26 | 0.26 | 0.43 |
| Awning | LoE 272 | Grids | Double | 0.26 | 0.23 | 0.39 |
| Awning | LoE 272 | No Grids | Triple | 0.22 | 0.24 | 0.40 |
| Awning | LoE 272 | Grids | Triple | 0.22 | 0.22 | 0.36 |
| Awning | LoE 366 | No Grids | Double | 0.26 | 0.17 | 0.39 |
| Awning | LoE 366 | Grids | Double | 0.26 | 0.16 | 0.35 |
| Awning | Dbl LoE 272 | No Grids | Triple | 0.18 | 0.22 | 0.35 |
| Awning | Dbl LoE 272 | Grids | Triple | 0.18 | 0.20 | 0.31 |

| Euro Window | | | | | | |
|-------------|-------------|----------|---------|----------|------|------|
| Type | Glass* | Grids | # Panes | U factor | SHG | VT |
| Euro | LoE 272 | No Grids | Double | 0.28 | 0.28 | 0.48 |
| Euro | LoE 272 | Grids | Double | 0.28 | 0.25 | 0.43 |
| Euro | LoE 272 | No Grids | Triple | 0.22 | 0.26 | 0.43 |
| Euro | LoE 272 | Grids | Triple | 0.22 | 0.23 | 0.38 |
| Euro | LoE 366 | No Grids | Double | 0.27 | 0.19 | 0.44 |
| Euro | LoE 366 | Grids | Double | 0.27 | 0.17 | 0.39 |
| Euro | Dbl LoE 272 | No Grids | Triple | 0.18 | 0.24 | 0.38 |
| Euro | Dbl LoE 272 | Grids | Triple | 0.18 | 0.22 | 0.34 |

| Double Slider | | | | | | |
|---------------|---------|----------|---------|----------|------|------|
| Type | Glass* | Grids | # Panes | U factor | SHG | VT |
| Double Slider | LoE 272 | No Grids | Double | 0.30 | 0.32 | 0.55 |
| Double Slider | LoE 272 | Grids | Double | 0.30 | 0.28 | 0.49 |
| Double Slider | LoE 366 | No Grids | Double | 0.29 | 0.21 | 0.49 |
| Double Slider | LoE 366 | Grids | Double | 0.29 | 0.19 | 0.44 |

| Single Hung (without reinforced list/check rails) | | | | | | |
|---|---------|----------|---------|----------|------|------|
| Type | Glass* | Grids | # Panes | U factor | SHG | VT |
| Single Hung | LoE 272 | No Grids | Double | 0.29 | 0.33 | 0.57 |
| Single Hung | LoE 272 | Grids | Double | 0.29 | 0.30 | 0.51 |
| Single Hung | LoE 366 | No Grids | Double | 0.29 | 0.22 | 0.51 |
| Single Hung | LoE 366 | Grids | Double | 0.29 | 0.20 | 0.46 |

| Single Slider (without reinforced pull/check rails) | | | | | | |
|---|---------|----------|---------|----------|------|------|
| Type | Glass* | Grids | # Panes | U factor | SHG | VT |
| Single Slider | LoE 272 | No Grids | Double | 0.29 | 0.34 | 0.58 |
| Single Slider | LoE 272 | Grids | Double | 0.29 | 0.30 | 0.52 |
| Single Slider | LoE 366 | No Grids | Double | 0.29 | 0.22 | 0.52 |
| Single Slider | LoE 366 | Grids | Double | 0.29 | 0.20 | 0.46 |

| Hinged Door (Full View, Center Hinge, French) | | | | | | |
|--|---------|----------|---------|----------|------|------|
| Type | Glass* | Grids | # Panes | U factor | SHG | VT |
| Hinged Door | LoE 272 | No Grids | Double | 0.29 | 0.28 | 0.48 |
| Hinged Door | LoE 272 | Grids | Double | 0.29 | 0.25 | 0.42 |
| Hinged Door | LoE 366 | No Grids | Double | 0.29 | 0.19 | 0.44 |
| Hinged Door | LoE 366 | Grids | Double | 0.29 | 0.16 | 0.38 |

* NOTE: LoE 272 comes standard on all Minnkota Windows, LoE 366 and Dbl LoE 272 are available as an option

