


Calculation based on ISO 15099


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|---|--------------|---------------------------------|---|-------------------|--------------------|
| Product name: Kohltech Supreme Double Hung | | Center-of-glass properties | | | |
| ASHRAE/IECC/ DOE North American Climate Zone | South-facing | North, East, West -facing |  Kohltech GCI-arg95-8071-arg95-8071 No Grids | | |
| Climate specific recommendations: | | Whole-window installed U-value | | Ucog-Value | |
| | | W/m2K | BTU/hr.ft2.F | SHGC | W/m2K BTU/hr.ft2.F |
| 8 | | 1.11 | 0.20 | 0.613 | 0.769 0.135 |
| 7 | | 1.10 | 0.19 | 0.613 | 0.762 0.134 |
| 6 | | 1.10 | 0.19 | 0.613 | 0.760 0.134 |
| 5 | | 1.10 | 0.19 | 0.613 | 0.760 0.134 |
| 4 | | 1.10 | 0.19 | 0.613 | 0.762 0.134 |
| Marine North | | 1.10 | 0.19 | 0.613 | 0.765 0.135 |
| Marine South | | 1.11 | 0.20 | 0.613 | 0.770 0.136 |
| 3 | | 1.11 | 0.19 | 0.613 | 0.767 0.135 |
| 2 West | | 1.11 | 0.20 | 0.613 | 0.779 0.137 |
| 2 East | | 1.11 | 0.20 | 0.613 | 0.779 0.137 |

| | | | | | | | |
|--|--------------|------|---------|--------------|------------|-------------|-------------|
| Kohltech Supreme Double Hung Tremco EnerEdge Vertical two lite Upper | FRAME | | | | Psi-spacer | | |
| | Frame height | | U-frame | | Ψ | | |
| | mm | in | W/m2K | BTU/hr.ft2.F | W/mK | BTU/hr.ft.F | |
| Head | 71 | 2.80 | 1.25 | 0.22 | 0.016 | 0.009 | |
| upper MR | 18 | 0.71 | 5.99 | 1.06 | 0.030 | 0.018 | |
| left jamb | 71 | 2.81 | 1.57 | 0.28 | 0.017 | 0.010 | |
| right jamb | 71 | 2.81 | 1.57 | 0.28 | 0.017 | 0.010 | |
| Kohltech Supreme Double Hung Tremco EnerEdge Vertical two lite lower | FRAME | | | | Psi-spacer | | Psi-opaque |
| | Frame height | | U-frame | | Ψ | | |
| | mm | in | W/m2K | BTU/hr.ft2.F | W/mK | BTU/hr.ft.F | W/mK |
| lower MR | 18 | 0.71 | 1.12 | 0.20 | 0.004 | 0.003 | 0.115 |
| sill | 84 | 3.30 | 1.34 | 0.24 | 0.013 | 0.008 | BTU/hr.ft.F |
| left jamb | 71 | 2.81 | 1.50 | 0.26 | 0.014 | 0.008 | 0.066 |
| right jamb | 71 | 2.81 | 1.50 | 0.26 | 0.014 | 0.008 | Grade B |

For vertical slider the MR is the sill for the upper and head for the lower

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| Product name: Kohltech Supreme Double Hung | | Center-of-glass properties | | | | |
| ASHRAE/IECC/ DOE North American Climate Zone | South-facing | North, East, West -facing |  Kohltech GCl-arg95-8071-arg95-8071 Internal grids < 25.4mm maintain 3mm clearance | | | |
| Climate specific recommendations: | | Whole-window installed U-value | | Ucog-Value | | |
| | | W/m2K | BTU/hr.ft2.F | SHGC | W/m2K | BTU/hr.ft2.F |
| 8 | | 1.11 | 0.20 | 0.537 | 0.769 | 0.135 |
| 7 | | 1.10 | 0.19 | 0.537 | 0.762 | 0.134 |
| 6 | | 1.10 | 0.19 | 0.537 | 0.760 | 0.134 |
| 5 | | 1.10 | 0.19 | 0.537 | 0.760 | 0.134 |
| 4 | | 1.10 | 0.19 | 0.537 | 0.762 | 0.134 |
| Marine North | | 1.10 | 0.19 | 0.537 | 0.765 | 0.135 |
| Marine South | | 1.11 | 0.20 | 0.537 | 0.770 | 0.136 |
| 3 | | 1.11 | 0.19 | 0.537 | 0.767 | 0.135 |
| 2 West | | 1.11 | 0.20 | 0.537 | 0.779 | 0.137 |
| 2 East | | 1.11 | 0.20 | 0.537 | 0.779 | 0.137 |

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|--|--------------|------|---------|--------------|------------|-------------|------------|-------------|
| Kohltech Supreme Double Hung Tremco EnerEdge Vertical two lite Upper | FRAME | | | | Psi-spacer | | | |
| | Frame height | | U-frame | | Ψ | | | |
| | mm | in | W/m2K | BTU/hr.ft2.F | W/mK | BTU/hr.ft.F | | |
| Head | 71 | 2.80 | 1.25 | 0.22 | 0.016 | 0.009 | | |
| upper MR | 18 | 0.71 | 5.99 | 1.06 | 0.030 | 0.018 | | |
| left jamb | 71 | 2.81 | 1.57 | 0.28 | 0.017 | 0.010 | | |
| right jamb | 71 | 2.81 | 1.57 | 0.28 | 0.017 | 0.010 | | |
| Kohltech Supreme Double Hung Tremco EnerEdge Vertical two lite lower | FRAME | | | | Psi-spacer | | Psi-opaque | |
| | Frame height | | U-frame | | Ψ | | | |
| | mm | in | W/m2K | BTU/hr.ft2.F | W/mK | BTU/hr.ft.F | W/mK | |
| | lower MR | 18 | 0.71 | 1.12 | 0.20 | 0.004 | 0.003 | 0.115 |
| | sill | 84 | 3.30 | 1.34 | 0.24 | 0.013 | 0.008 | BTU/hr.ft.F |
| | left jamb | 71 | 2.81 | 1.50 | 0.26 | 0.014 | 0.008 | 0.066 |
| right jamb | 71 | 2.81 | 1.50 | 0.26 | 0.014 | 0.008 | Grade B | |

For vertical slider the MR is the sill for the upper and head for the lower

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| Climate specific recommendations: | | Whole-window installed U-value | | Ucog-Value | | |
| | | W/m2K | BTU/hr.ft2.F | SHGC | W/m2K | BTU/hr.ft2.F |
| 8 | | 1.11 | 0.20 | 0.416 | 0.769 | 0.135 |
| 7 | | 1.10 | 0.19 | 0.416 | 0.762 | 0.134 |
| 6 | | 1.10 | 0.19 | 0.416 | 0.760 | 0.134 |
| 5 | | 1.10 | 0.19 | 0.416 | 0.760 | 0.134 |
| 4 | | 1.10 | 0.19 | 0.416 | 0.762 | 0.134 |
| Marine North | | 1.10 | 0.19 | 0.416 | 0.765 | 0.135 |
| Marine South | ✓ | 1.11 | 0.20 | 0.416 | 0.770 | 0.136 |
| 3 | | 1.11 | 0.19 | 0.416 | 0.767 | 0.135 |
| 2 West | | 1.11 | 0.20 | 0.416 | 0.779 | 0.137 |
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| | | | | | | | |
|--|--------------|------|---------|--------------|------------|-------------|-------------|
| Kohltech Supreme Double Hung Tremco EnerEdge Vertical two lite Upper | FRAME | | | | Psi-spacer | | |
| | Frame height | | U-frame | | Ψ | | |
| | mm | in | W/m2K | BTU/hr.ft2.F | W/mK | BTU/hr.ft.F | |
| Head | 71 | 2.80 | 1.25 | 0.22 | 0.016 | 0.009 | |
| upper MR | 18 | 0.71 | 5.99 | 1.06 | 0.030 | 0.018 | |
| left jamb | 71 | 2.81 | 1.57 | 0.28 | 0.017 | 0.010 | |
| right jamb | 71 | 2.81 | 1.57 | 0.28 | 0.017 | 0.010 | |
| Kohltech Supreme Double Hung Tremco EnerEdge Vertical two lite lower | FRAME | | | | Psi-spacer | | Psi-opaque |
| | Frame height | | U-frame | | Ψ | | |
| | mm | in | W/m2K | BTU/hr.ft2.F | W/mK | BTU/hr.ft.F | W/mK |
| lower MR | 18 | 0.71 | 1.12 | 0.20 | 0.004 | 0.003 | 0.115 |
| sill | 84 | 3.30 | 1.34 | 0.24 | 0.013 | 0.008 | BTU/hr.ft.F |
| left jamb | 71 | 2.81 | 1.50 | 0.26 | 0.014 | 0.008 | 0.066 |
| right jamb | 71 | 2.81 | 1.50 | 0.26 | 0.014 | 0.008 | Grade B |

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