***Supreme Tilt & Turn door***



The tilting functions added to a traditional in-swing and sliding patio doors provide convenience and comfort in a technologically advanced door. In the tilt position, the entire door gently tilts inward to provide air circulation and cross ventilation without compromising security. A single handle conveniently operates the tilt, turn or sliding functions. This door system is also available in out-swing configuration.

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| **FRAME – Fusion welded corners** | | |
| White extruded polyvinyl chloride (uPVC) profiles. Optional permafinish colors available | | |
| Operator/Fixed Frame depth: 3.25” (83mm) | | |
| **SASH** | | |
| The sash measures 2.375” from inside to outside | | |
| **GLAZING** | | |
| **Glazing method** | Insulated glass, hermetically sealed | |
| **Glazing seal** | Compression sealed with silicon heel bead | |
| **Spacer type** | Warm edge intercept, Ultra or SuperSpacer | |
| **Options** | High Solar Gain LoE, Low Solar Gain LoE, Argon gas fill, Obscure glass, Tinted glass,  Energlas (LoE/Argon and Ultra spacer),  Energlas Plus (triple paned, 2 panes with LoE glass, argon gas filling and Superspacer) | |
| **OPTIONS** | | |
| **Insect Screens** | Optional depending on door configuration | |
| **SDL – Simulated Divided Lites** | Int. bar: Extruded vinyl or wood, 7/8” and 1 1/8” wide bars.  Ext. bar: Extruded vinyl, 7/8” or 1 1/8” wide bars. White, tan or painted  Pattern: Rectangular, Craftsman, Prairie , custom lite layouts available | |
| **Grills** | ¾” Contoured Georgian. White, tan, brushed aluminum, painted, split finish int/ext  1” Contoured Georgian. White, painted, split finish int/ext  5/8” Flat Colonial. White, tan, brass, brushed aluminum, painted, split finish int/ext  Slimline 5/16” Flat Colonial. White, tan, pewter, black, gold, mill finish or painted | |
| **Accessories** | Optional: Add on ½” to ¾” interior return  Optional: 7/8”, 1 ½”, 2” or 3 ½” brick molding all four sides or with subsill. All available with J-trim and nailing fin. 2” and 3 ½” available with decorative molding | |
| **HARDWARE** | | |
| Roto NT Euro-groove | | Fully adjustable hinges |
| Minimum 4 locking points | | All hardware is stainless steel |
| Operating panels are fitted with a handle mounted on the sash at a location relative to the panel height | | Operating handle powder coated white or titanium |
| Key lock is standard | |  |

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| **PERFORMANCE TESTS In accordance with AAMA/WDMA/CSA 101/1.5.2/A444-08** | | | | | | | | |
| **Window**  **(Supreme)** | **Gateway Size (in)** | **Gateway Size (mm)** | **NAFS**  **Rating** | **Canadian Air Infiltration** | **Water Resistance** | **Wind Load Resistance** | **DP Rating** | |
| **Water** | **Wind** |
| **T & T** | 44 x 60 | 1118 x 1524 | R-PG50 | A3 | B7 | C5 | N/A | N/A |
| **T & T Fixed Sash** | 48 x 48 | 1219 x 1219 | R-PG50 | FX | B7 | C5 | N/A | N/A |
| **T & T Picture** | 72 x 72 | 1829 x 1829 | CW-PG65-FW | N/A | N/A | N/A | DP100 | DP65 |

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|  | **THERMAL PERFORMANCE RATINGS In accordance to CSA A440.2-04** | | | | | | | | | | |
| **Glass Options** | **Energy Rating** | **R-Value (Whole Window)** | **R-Value (Center of Glass)** | **U-Value (metric)** | **U-Value (imperial)** | **Solar Heat Gain Coefficient** | **Visible Transmittance** | **Condensation Resistance** | **Canadian Energy Star Zones** | **US Energy**  **Star Zones** |
| **Double Glazed** | Energlas – HSG | 26 | 3.45 | 3.69 | 1.7 | 0.30 | 0.41 | 0.46 | 63 | AB |  |
| LoE/Argon – HSG | 26 | 3.45 | 3.69 | 1.7 | 0.30 | 0.41 | 0.46 | 62 | AB |  |
| LoE/Argon – HSG w Grills | 22 | 3.45 | 3.69 | 1.7 | 0.30 | 0.35 | 0.39 | 62 | A |  |
| Energlas – HSG w Grills | 22 | 3.45 | 3.69 | 1.7 | 0.30 | 0.35 | 0.39 | 63 | A |  |
| Energlas – LSG | 22 | 3.70 | 4.10 | 1.5 | 0.27 | 0.27 | 0.48 | 64 | AB |  |
| LoE/Argon – LSG | 20 | 3.57 | 4.10 | 1.6 | 0.28 | 0.27 | 0.48 | 62 | AB |  |
| Energlas – LSG w Grills | 20 | 3.70 | 4.10 | 1.5 | 0.27 | 0.24 | 0.42 | 64 | AB |  |
| LoE/Argon – LSG w Grills | 19 | 3.57 | 4.10 | 1.6 | 0.28 | 0.24 | 0.42 | 62 | AB |  |
| Clear | 12 | 2.33 | 2.08 | 2.4 | 0.42 | 0.44 | 0.46 | 47 |  |  |
| Clear w Grills | 9 | 2.4 | 2.08 | 2.4 | 0.42 | 0.38 | 0.40 | 47 |  |  |
| **Triple Glazed** |  |  |  |  |  |  |  |  |  |  |  |
| Energlas Plus Argon – HSG | 38 | 5.00 | 6.85 | 1.1 | 0.2 | 0.41 | 0.49 | 68 | ABCD |  |
| Energlas Plus Argon – LSG | 28 | 5.26 | 7.94 | 1.1 | 0.19 | 0.21 | 0.38 | 68 | ABCD |  |
| Triple LoE/Argon x 1 LSG | 25 | 4.35 | 5.26 | 1.3 | 0.23 | 0.25 | 0.44 | 69 | ABC |  |
|  | \***Energlas** uses a high performance warm edge spacer, one panel of LoE coated glass and one cavity filled with high density gas. | | | | | | | | | |  |
|  | \*\***Energlas Plus** is an ultra high performance, energy efficient, triple glazed system using warm edge SuperSpacer, two panels of LoE coated glass, and two cavities filled with high density glass. | | | | | | | | | |  |