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Cascadia Windows & Doors

CSC11007, Nov. 3, 2011

300 Fixed Thermal performance as per EN ISO 10077-2 and EN673

Glazing	U-Factor Total Window (W/m^2-K)	U frame (W/m^2-K)	Ψ	U centre of Glass (W/m^2-K)	SHGC centre of glass	Frame Height (mm)
366-arg-Cl-arg-180, xl	0.91	1.15	0.044	0.693	0.243	72.4
180-arg-Cl-arg-180, xl	0.96	1.15	0.044	0.755	0.542	72.4

See report CSC11005w-a for product information

300 Tilt & Turn Window Thermal performance as per EN ISO 10077-2 and EN673

Glazing	U-Factor Total Window (W/m^2-K)	U frame (W/m^2-K)	Ψ	U centre of Glass (W/m^2-K)	SHGC centre of glass	Frame Height (mm)
366-arg-Cl-arg-180, xl	0.99	1.26	0.045	0.693	0.243	122.4
180-arg-Cl-arg-180, xl	1.04	1.26	0.045	0.755	0.542	122.4

See report CSC11005w-b for product information

301 Door Thermal performance as per EN ISO 10077-2 and EN673

Glazing	U-Factor Total Window (W/m^2-K)	U frame (W/m^2-K)	Ψ	U centre of Glass (W/m^2-K)	SHGC centre of glass	Frame Height (mm)
366-arg-Cl-arg-180, xl	1.05	1.21	0.060	0.693	0.243	134.7
180-arg-Cl-arg-180, xl	1.09	1.21	0.062	0.755	0.542	134.7

See report CSC11005w-e for product information

Notes:

1. U-value simulations performed according to EN 673 and EN ISO 10077-2 using Therm 6 and BFRC EN 673 calculation spreadsheet
2. SHGC simulation used Window 6.3
3. Cl is clear glass
4. arg is argon 90 %, 13 mm
5. 366 is Cardinal's 366 low-e, 4 mm
5. 180 is Cardinal's 180 low-e, 4 mm
6. xl is Cardinal's XL Edge spacer
7. The 300 Fixed Window and the 300 T & T are 1200 mm x 1500 mm. The 301 Door is 920 mm x 2090 mm.

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Cascadia Windows & Doors

CSC12005, Jun. 26, 2012

325 Casement Thermal performance as per EN ISO 10077-2 and EN673

Glazing	U-Factor Total Window (W/m^2-K)	U frame (W/m^2-K)	Ψ	U centre of Glass (W/m^2-K)	SHGC centre of glass	Frame Height (mm)
366-arg-Cl-arg-180, xl	1.05	1.21	0.037	0.771	0.244	70.8
180-arg-Cl-arg-180, xl	1.09	1.21	0.036	0.831	0.542	70.8

See report CSC11005w-h for product information

The size was 600mm wide x 1500mm high as per standard North American ratings

325 Awning Thermal performance as per EN ISO 10077-2 and EN673

Glazing	U-Factor Total Window (W/m^2-K)	U frame (W/m^2-K)	Ψ	U centre of Glass (W/m^2-K)	SHGC centre of glass	Frame Height (mm)
366-arg-Cl-arg-180, xl	1.05	1.21	0.037	0.771	0.244	70.8
180-arg-Cl-arg-180, xl	1.09	1.21	0.036	0.831	0.542	70.8

See report CSC11005w-i for product information

The size was 1500mm wide x 600mm high as per standard North American ratings

325 High Fixed Thermal performance as per EN ISO 10077-2 and EN673

Glazing	U-Factor Total Window (W/m^2-K)	U frame (W/m^2-K)	Ψ	U centre of Glass (W/m^2-K)	SHGC centre of glass	Frame Height (mm)
366-arg-Cl-arg-180, xl	0.90	0.88	0.039	0.771	0.244	70.5
180-arg-Cl-arg-180, xl	0.94	0.88	0.038	0.831	0.542	70.5

See report CSC11005w-g for product information

The size was 1200mm wide x 1500mm high as per standard North American ratings

400 Fixed Thermal performance as per EN ISO 10077-2 and EN673

Glazing	U-Factor Total Window (W/m^2-K)	U frame (W/m^2-K)	Ψ	U centre of Glass (W/m^2-K)	SHGC centre of glass	Frame Height (mm)
366-arg-Cl-arg-180, xl	0.97	1.43	0.038	0.771	0.244	50.3
180-arg-Cl-arg-180, xl	1.02	1.43	0.037	0.831	0.542	50.3

See report CSC11005w-f for product information

The size was 1200mm wide x 1500mm high as per standard North American ratings

Notes:

1. U-value simulations performed according to EN 673 and EN ISO 10077-2 using Therm 6 and BFRC EN 673 calculation spreadsheet
2. SHGC simulation used Window 6.3
3. Cl is clear glass
4. arg is argon 90 %, 11.5 mm
5. 366 is Cardinal's 366 low-e, 4 mm
5. 180 is Cardinal's 180 low-e, 4 mm
6. xl is Cardinal's XL Edge spacer