



# Performance Values - Windows

## Structural and STC

	Primary Designation
<b>Fixed Picture</b>	Class CW - PG70 - Size tested 2286 x 1981 mm (90 x 78 in) - Type FW
<b>Fixed Casement</b>	Class CW - PG60 - Size tested 2286 x 1981 mm (90 x 78 in) - Type FW
<b>Casement Operator</b>	Class LC - PG65 - Size tested 874 x 1738 mm (34.375 x 68.375 in) - Type C
<b>Awning Operator</b>	Class LC - PG35 - Size tested 1222 x 1165 mm (48.125 x 45.875 in) - Type AP

	STC Standard* (Optional)	Min Size (W" x H")	Max Size (W" x H")	Forced Entry	Screen	Design Pressure	Water Penetration	Canadian Air	Standard
<b>Fixed Picture</b>	----	11 3/8" x 11 3/8"	90" x 78"	10	----	± 3360 Pa	730 Pa	Fixed Level	NAFS-08 A440S1-09
<b>Fixed Casement</b>	31* (32,34,35)	11 3/8" x 11 3/8"	90" x 78"	10	----	± 2880 Pa	730 Pa	Fixed Level	NAFS-08 A440S1-09
<b>Casement Operator</b>	31* (32,34,35)	11 3/8" x 11 3/8"	34 3/8" x 68 3/8"	20	S1	± 3120 Pa	720 Pa	A3 Level	NAFS-11 A440S1-09
<b>Awning Operator</b>	31* (32,34,35)	16 3/8" x 12 1/2"	48 1/8" x 45 7/8"	10	S1	± 1680 Pa	730 Pa	A3 Level	NAFS-08 A440S1-09

\* Standard Glass Unit = STC 31 (3mm + 13mm Air Space + 3mm)

## Thermal Options

	U-Factor (W/m <sup>2</sup> ·k)	Solar Heat Gain	Air Leakage (L/s/m <sup>2</sup> )	Visual Transmittance	Energy Rating	ENERGY STAR® Zones (2015 ver4.1)	ENERGY STAR® Zones (2010)	Sealed Unit	Grill Type
Fixed Picture	1.56	0.60	0.0in / 0.0 ex	0.69	40	1 - 2 - 3	A B C D	180 Low E Argon	NONE
	1.59	0.57	0.0in / 0.0 ex	0.66	38	1 - 2 - 3	A B C D	180 Low E Argon	5/16" Grill
	1.62	0.55	0.0in / 0.0 ex	0.63	36	1 - 2 - 3	A B C D	180 Low E Argon	5/8" Grill
	1.57	0.50	0.0in / 0.0 ex	0.57	34	1 - 2 - 3	A B C D	180 Low E Argon	SDL Grill
Fixed Casement	1.57	0.49	0.0in / 0.0 ex	0.56	34	1 - 2 - 3	A B C D	180 Low E Argon	NONE
	1.59	0.47	0.0in / 0.0 ex	0.53	32	1 - 2	A B C	180 Low E Argon	5/16" Grill
	1.61	0.45	0.0in / 0.0 ex	0.51	31	1 - 2	A B C	180 Low E Argon	5/8" Grill
	1.58	0.41	0.0in / 0.0 ex	0.47	29	1 - 2	A B C	180 Low E Argon	SDL Grill
Casement Operator	1.54	0.49	0.0in / 0.1 ex	0.56	34	1 - 2 - 3	A B C D	180 Low E Argon	NONE
	1.56	0.47	0.0in / 0.1 ex	0.53	33	1 - 2	A B C	180 Low E Argon	5/16" Grill
	1.58	0.45	0.0in / 0.1 ex	0.51	31	1 - 2	A B C	180 Low E Argon	5/8" Grill
	1.55	0.41	0.0in / 0.1 ex	0.47	30	1 - 2	A B C	180 Low E Argon	SDL Grill
Awning Operator	1.56	0.49	0.1in / 0.1 ex	0.56	34	1 - 2 - 3	A B C D	180 Low E Argon	NONE
	1.57	0.47	0.1in / 0.1 ex	0.53	33	1 - 2	A B C	180 Low E Argon	5/16" Grill
	1.59	0.45	0.1in / 0.1 ex	0.51	31	1 - 2	A B C	180 Low E Argon	5/8" Grill
	1.55	0.41	0.1in / 0.1 ex	0.47	30	1 - 2	A B C	180 Low E Argon	SDL Grill



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Tested to:  
CSA A440.2-09, CSA440.00, AAMA/WDMA/CSA 101/I.S.2/A440-08 and  
The Canadian Supplement A440S1-09

Energy modeled in accordance to CSA A440.2-09

Refer to Intertek or ENERGY STAR website for proof of conformance to  
physical and energy performance.



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