Performance Data

WINDOW	GLAZING	U-FACTOR imp (met)	SHGC	CR	STC	ER	NAFS	INFILTRATION AIR LEAKAGE cfm/ft² (L/s m²)	EXFILTRATION AIR LEAKAGE cfm/ft² (L/s m²)	ENERGY STAR (CAN)	ENERGY STAR (USA)	NRCan CODE
SINGLE HUNG (ASH)	3/4" NC 180	0.32 (1.82)	0.55	55	27	31	R-PG40-H	0.204 (1.034)	0.148 (0.751)	1, 2	-	ASH-CAR-A1-3-IN
	3/4" NC 180 w/grills	0.32 (1.82)	0.49	55		27				1	-	ASH-CAR-A2-3-IN
	3/4" SC 366	0.30 (1.70)	0.22	59		14				-	NC, SC, S	ASH-CAR-B1-3-IU
	3/4" SC 366 w/grills	0.30 (1.70)	0.20	59		13				-	NC, SC, S	ASH-CAR-B2-3-IU
	3/4" NC2 180/i89	0.27 (1.53)	0.50	46		34				1, 2, 3	N	ASH-CAR-C1-3-IU
	3/4" NC2 180/i89 w/grills	0.27 (1.53)	0.45	46		32				1, 2	N	ASH-CAR-C2-3-IU
	3/4" SB-10 366/i89	0.26 (1.48)	0.22	47		19				1	N, NC, SC, S	ASH-CAR-D1-3-IU
	3/4" SB-10 366/i89 w/grills	0.26 (1.48)	0.20	47		18				1	N, NC, SC, S	ASH-CAR-D2-3-IU
DOUBLE HUNG (ATW)	3/4" NC 180	0.31 (1.76)	0.54	55		30	R-PG40-H	0.230 (1.16)	0.250 (1.268)	1, 2	-	ATW-CAR-A1-3-IN
	3/4" NC 180 w/grills	0.31 (1.76)	0.49	55		28				1	-	ATW-CAR-A2-3-IN
	3/4" SC 366	0.29 (1.65)	0.22	59		14				-	NC, SC, S	ATW-CAR-B1-3-IU
	3/4" SC 366 w/grills	0.29 (1.65)	0.20	59		13				-	NC, SC, S	ATW-CAR-B2-3-IU
	3/4" NC2 180/i89	0.26 (1.48)	0.49	46		34				1, 2, 3	N	ATW-CAR-C1-3-IU
	3/4" NC2 180/i89 w/grills	0.26 (1.48)	0.44	46		31				1, 2	N	ATW-CAR-C2-3-IU
	3/4" SB-10 366/i89	0.25 (1.42)	0.21	47		19				1	N, NC, SC, S	ATW-CAR-D1-3-IU
	3/4" SB-10 366/i89 w/grills	0.25 (1.42)	0.19	47		18				1	N, NC, SC, S	ATW-CAR-D2-3-IU
GLIDER (AGL)	3/4" NC 180	0.31 (1.76)	0.55	55	26	31	LC-PG35-HS	0.27 (1.35)	0.12 (0.62)	1, 2	-	AGL-CAR-A1-3-IN
	3/4" NC 180 w/grills	0.31 (1.76)	0.50	55		28				1	-	AGL-CAR-A2-3-IN
	3/4" SC 366	0.29 (1.65)	0.22	59		15				-	NC, SC, S	AGL-CAR-B1-3-IU
	3/4" SC 366 w/grills	0.29 (1.65)	0.20	59		13				-	NC, SC, S	AGL-CAR-B2-3-IU
	3/4" NC2 180/i89	0.26 (1.48)	0.50	46		34				1, 2, 3	N	AGL-CAR-C1-3-IU
	3/4" NC2 180/i89 w/grills	0.26 (1.48)	0.45	46		32				1, 2	N	AGL-CAR-C2-3-IU
	3/4" SB-10 366/i89	0.25 (1.42)	0.22	47		20				1, 2	N, NC, SC, S	AGL-CAR-D1-3-IU
	3/4" SB-10 366/i89 w/grills	0.25 (1.42)	0.20	47		18				1	N, NC, SC, S	AGL-CAR-D2-3-IU
FIXED LITE IN FRAME (AFF)	3/4" NC 180	0.29 (1.65)	0.59	60		38	R-PG55-FW	0.011 (0.054)	0.008 (0.040)	1, 2, 3	N	AFF-CAR-A1-3-IN
	3/4" NC 180 w/grills	0.29 (1.65)	0.53	60		34				1, 2, 3	N	AFF-CAR-A2-3-IN
	3/4" SC 366	0.26 (1.48)	0.24	63		21				1	N, NC, SC, S	AFF-CAR-B1-3-IU
	3/4" SC 366 w/grills	0.26 (1.48)	0.21	63		20				1	N, NC, SC, S	AFF-CAR-B2-3-IU
	3/4" NC2 180/i89	0.23 (1.31)	0.53	48		42				1, 2, 3	N	AFF-CAR-C1-3-IU
	3/4" NC2 180/i89 w/grills	0.23 (1.31)	0.48	48		39				1, 2, 3	N	AFF-CAR-C2-3-IU
	3/4" SB-10 366/i89	0.22 (1.25)	0.23	49		26				1, 2	N, NC, SC, S	AFF-CAR-D1-3-IU
	3/4" SB-10 366/i89 w/grills	0.22 (1.25)	0.21	49		25				1, 2	N, NC, SC, S	AFF-CAR-D2-3-IU
SLIDING PATIO DOOR (AVDR)	13/16" NC 180	0.32 (1.82)	0.53	57	28	29	R-PG45-SD	0.130 (0.661)	0.152 (0.770)	1, 2	-	AVDR-CAR-A1-3-IU
	13/16" NC 180 w/grills	0.32 (1.82)	0.47	57		26				1	-	AVDR-CAR-A2-3-IU
	13/16" SC 366	0.30 (1.70)	0.21	58		13				-	N, NC, SC, S	AVDR-CAR-B1-3-SE
	13/16" SC 366 w/grills	0.30 (1.70)	0.19	58		12				-	N, NC, SC, S	AVDR-CAR-B2-3-SE
	13/16" NC2 180/i89	0.27 (1.53)	0.48	45		33				1, 2	N, NC, SC, S	AVDR-CAR-C1-3-SE
	13/16" NC2 180/i89 w/grills	0.27 (1.53)	0.42	45		29				1, 2	N, NC, SC, S	AVDR-CAR-C2-3-SE
	1" Internal Blinds	0.37 (2.10)	0.26	52		n/a				-	-	-
	13/16" SB-10 366/i89	0.26 (1.48)	0.21	46		18				1	N, NC, SC, S	AVDR-CAR-D1-3-SE
	13/16" SB-10 366/i89 w/grills	0.26 (1.48)	0.19	46		17				1	N, NC, SC, S	AVDR-CAR-D2-3-SE

STANDARDS

NAFS (North American Fenestration Standard) - This combined US and Canadian standard outlines residential performance grades that give an overall performance value of a window. AAMA/WDMA/CSA 101/I.S.2/A440

DEFINITIONS

U-Factor - a measurement of rate of heat flow through a building component. A lower number means better thermal performance

SHGC (Solar Heat Gain Coefficient) - is the fraction of incident solar radiation admitted through a window

CR (Condensation Resistance) - is a measure of how well a window resists the formation of condensation

ER (Energy Rating) - a rating based on a Natural Resources Canada formula that combines air leakage, solar heat gain coefficient, and U-factor