

# ENERGY PERFORMANCE

## ENERGY STAR 2020 VERSION 5.0



### Casement windows – White and coloured PVC

Product model	Type of glass	Width of grilles mm (inches)	U Factor W/m <sup>2</sup> -K (Btu/h ft <sup>2</sup> -F) <sup>1</sup>	Solar Heat Gain Coefficient (SHGC) <sup>2</sup>	ER factor <sup>3</sup>	NRC ref. no.
BTPVC-IU_DOUBLEU1_ARG_LOWE	Double	None	1,53 (0,27)	0,48	34	<a href="#">NR6769-34743314-ES5</a>
BTPVC-IU_TRIPLES_2ARG_1LOWE	Triple 1 Low E	None	1,25 (0,22)	0,42	37	<a href="#">NR6769-14105920-ES5</a>
BTPVC-IU_TRIPLES_2ARG_2LOWE	Triple 2 Low E	None	1,08 (0,19)	0,37	38	<a href="#">NR6769-14105923-ES5</a>
BTPVC-IU_TRIPLES_2ARG_2LOWE_CARR<1	Triple 2 Low E	<25mm(<1)	1,14 (0,20)	0,33	34	<a href="#">NR6769-14105924-ES5</a>

### Casement windows – Hybrid

Product model	Type of glass	Width of grilles mm (inches)	U Factor W/m <sup>2</sup> -K (Btu/h ft <sup>2</sup> -F) <sup>1</sup>	Solar Heat Gain Coefficient (SHGC) <sup>2</sup>	ER factor <sup>3</sup>	NRC ref. no.
BTHYB-SU_DOUBLEU1_ARG_LOWE	Double	None	1,53 (0,27)	0,48	34	<a href="#">NR6769-34743316-ES5</a>
BTHYB-IU_TRIPLES_2ARG_1LOWE	Triple 1 Low E	None	1,31 (0,23)	0,42	35	<a href="#">NR6769-14105875-ES5</a>
BTHYB-IU_TRIPLES_2ARG_2LOWE	Triple 2 Low E	None	1,14 (0,20)	0,36	36	<a href="#">NR6769-14105878-ES5</a>
BTHYB-IU_TRIPLES_2ARG_2LOWE_CARR<1	Triple 2 Low E	<25mm(<1)	1,14 (0,20)	0,33	34	<a href="#">NR6769-14105879-ES5</a>

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### Fixed casement windows – White and coloured PVC

Product model	Type of glass	Width of grilles mm (inches)	U Factor W/m <sup>2</sup> -K (Btu/h ft <sup>2</sup> -F) <sup>1</sup>	Solar Heat Gain Coefficient (SHGC) <sup>2</sup>	ER factor <sup>3</sup>	NRC ref. no.
BFPVC-IU_DOUBLEU1_ARG_LOWE	Double	None	1,53 (0,27)	0,57	39	<a href="#">NR6769-34743317-ES5</a>
BFPVC-IU_TRIPLES_2ARG_1LOWE	Triple 1 Low E	None	1,25 (0,22)	0,5	41	<a href="#">NR6769-14105830-ES5</a>
BFPVC-IU_TRIPLES_2ARG_1LOWE_CARR<1	Triple 1 Low E	<25mm(<1)	1,25 (0,22)	0,45	38	<a href="#">NR6769-14105831-ES5</a>
BFPVC-IU_TRIPLES_2ARG_1LOWE_CARR?1	Triple 1 Low E	>=25mm(>=1)	1,25 (0,22)	0,4	36	<a href="#">NR6769-14105832-ES5</a>
BFPVC-IU_TRIPLES_2ARG_2LOWE	Triple 2 Low E	None	1,02 (0,18)	0,43	42	<a href="#">NR6769-14105833-ES5</a>
BFPVC-IU_TRIPLES_2ARG_2LOWE_CARR<1	Triple 2 Low E	<25mm(<1)	1,02 (0,18)	0,39	40	<a href="#">NR6769-14105834-ES5</a>
BFPVC-IU_TRIPLES_2ARG_2LOWE_CARR?1	Triple 2 Low E	>=25mm(>=1)	1,08 (0,19)	0,35	36	<a href="#">NR6769-14105835-ES5</a>

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### Fixed casement windows - Hybrid

Product model	Type of glass	Width of grilles mm (inches)	U Factor W/m <sup>2</sup> -K (Btu/h ft <sup>2</sup> -F) <sup>1</sup>	Solar Heat Gain Coefficient (SHGC) <sup>2</sup>	ER factor <sup>3</sup>	NRC ref. no.
BFHYB-IU_DOUBLEU1_ARG_LOWE	Double	None	1,59 (0,28)	0,57	38	<a href="#">NR6769-34743319-ES5</a>
BFHYB-IU_TRIPLES_2ARG_1LOWE	Triple 1 Low E	None	1,25 (0,22)	0,5	41	<a href="#">NR6769-14105785-ES5</a>
BFHYB-IU_TRIPLES_2ARG_1LOWE_CARR<1	Triple 1 Low E	<25mm(<1)	1,25 (0,22)	0,45	38	<a href="#">NR6769-14105786-ES5</a>
BFHYB-IU_TRIPLES_2ARG_1LOWE_CARR?1	Triple 1 Low E	>=25mm(>=1)	1,25 (0,22)	0,4	36	<a href="#">NR6769-14105787-ES5</a>
BFHYB-IU_TRIPLES_2ARG_2LOWE	Triple 2 Low E	None	1,02 (0,18)	0,43	42	<a href="#">NR6769-14105788-ES5</a>
BFHYB-IU_TRIPLES_2ARG_2LOWE_CARR<1	Triple 2 Low E	<25mm(<1)	1,08 (0,19)	0,39	39	<a href="#">NR6769-14105789-ES5</a>
BFHYB-IU_TRIPLES_2ARG_2LOWE_CARR?1	Triple 2 Low E	>=25mm(>=1)	1,08 (0,19)	0,34	36	<a href="#">NR6769-14105790-ES5</a>

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### Awning windows – White and coloured PVC

Product model	Type of glass	Width of grilles mm (inches)	U Factor W/m <sup>2</sup> -K (Btu/h ft <sup>2</sup> -F) <sub>1</sub>	Solar Heat Gain Coefficient (SHGC) <sup>2</sup>	ER factor <sup>3</sup>	NRC ref. no.
AUPVC-SU_DOUBLEU1_ARG_LOWE	Double	None	1,48 (0,26)	0,48	35	<a href="#">NR6769-34743321-ES5</a>
AUPVC-IU_TRIPLES_2ARG_1LOWE	Triple 1 Low E	None	1,31 (0,23)	0,42	35	<a href="#">NR6769-14105740-ES5</a>
AUPVC-IU_TRIPLES_2ARG_2LOWE	Triple 2 Low E	None	1,08 (0,19)	0,37	38	<a href="#">NR6769-14105743-ES5</a>
AUPVC-IU_TRIPLES_2ARG_2LOWE_CARR<1	Triple 2 Low E	<25mm(<1)	1,14 (0,20)	0,33	34	<a href="#">NR6769-14105744-ES5</a>

### Awning windows – Hybrid

Product model	Type of glass	Width of grilles mm (inches)	U Factor W/m <sup>2</sup> -K (Btu/h ft <sup>2</sup> -F) <sub>1</sub>	Solar Heat Gain Coefficient (SHGC) <sup>2</sup>	ER factor <sup>3</sup>	NRC ref. no.
AUHYB-SU_DOUBLEU1_ARG_LOWE	Double	None	1,53 (0,27)	0,48	34	<a href="#">NR6769-34743322-ES5</a>
AUHYB-IU_TRIPLES_2ARG_1LOWE	Triple 1 Low E	None	1,31 (0,23)	0,42	35	<a href="#">NR6769-14105695-ES5</a>
AUHYB-IU_TRIPLES_2ARG_2LOWE	Triple 2 Low E	None	1,14 (0,20)	0,36	35	<a href="#">NR6769-14105698-ES5</a>
AUHYB-IU_TRIPLES_2ARG_2LOWE_CARR<1	Triple 2 Low E	<25mm(<1)	1,14 (0,20)	0,33	34	<a href="#">NR6769-14105699-ES5</a>

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### Single hung windows – White and coloured PVC

Product model	Type of glass	Width of grilles mm (inches)	U Factor W/m <sup>2</sup> -K (Btu/h ft <sup>2</sup> -F) <sup>1</sup>	Solar Heat Gain Coefficient (SHGC) <sup>2</sup>	ER factor <sup>3</sup>	NRC ref. no.
GSPVC-IU_DOUBLEU1_ARG_LOWE	Double	None	1,65 (0,29)	0,55	35	<a href="#">NR6769-34743332-ES5</a>
GSPVC-IU_TRIPLES_2ARG_1LOWE	Triple 1 Low E	None	1,36 (0,24)	0,48	38	<a href="#">NR6769-31271808-ES5</a>
GSPVC-IU_TRIPLES_2ARG_1LOWE_CARR<1	Triple 1 Low E	<25mm(<1)	1,36 (0,24)	0,43	35	<a href="#">NR6769-31271809-ES5</a>
GSPVC-IU_TRIPLES_2ARG_2LOWE	Triple 2 Low E	Aucun	1,14 (0,20)	0,41	39	<a href="#">NR6769-31271811-ES5</a>
GSPVC-IU_TRIPLES_2ARG_2LOWE_CARR<1	Triple 2 Low E	<25mm(<1)	1,14 (0,20)	0,37	36	<a href="#">NR6769-31271812-ES5</a>
GSPVC-IU_TRIPLES_2ARG_2LOWE_CARR?1	Triple 2 Low E	>25mm(>1)	1,14 (0,20)	0,33	34	<a href="#">NR6769-31271813-ES5</a>

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### Double hung windows - White and coloured PVC

Product model	Type of glass	Width of grilles mm (inches)	U Factor W/m <sup>2</sup> -K (Btu/h ft <sup>2</sup> -F) <sup>1</sup>	Solar Heat Gain Coefficient (SHGC) <sup>2</sup>	ER factor <sup>3</sup>	NRC ref. no.
GDPVC-IU_DOUBLEU1_ARG_LOWE	Double	None	1,65 (0,29)	0,53	34	<a href="#">NR6769-34743338-ES5</a>
GDPVC-IU_TRIPLES_2ARG_1LOWE	Triple 1 Low E	None	1,36 (0,24)	0,46	36	<a href="#">NR6769-31271871-ES5</a>
GDPVC-IU_TRIPLES_2ARG_1LOWE_CARR<1	Triple 1 Low E	<25mm(<1)	1,36 (0,24)	0,41	34	<a href="#">NR6769-31271872-ES5</a>
GDPVC-IU_TRIPLES_2ARG_2LOWE	Triple 2 Low E	None	1,14 (0,20)	0,4	38	<a href="#">NR6769-31271874-ES5</a>
GDPVC-IU_TRIPLES_2ARG_2LOWE_CARR<1	Triple 2 Low E	<25mm(<1)	1,14 (0,20)	0,36	35	<a href="#">NR6769-31271875-ES5</a>

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### Single sliding windows - White and coloured PVC

Product model	Type of glass	Width of grilles mm (inches)	U Factor W/m <sup>2</sup> -K (Btu/h ft <sup>2</sup> -F) <sup>1</sup>	Solar Heat Gain Coefficient (SHGC) <sup>2</sup>	ER factor <sup>3</sup>	NRC ref. no.
CSPVC-IU_DOUBLEU1_ARG_LOWE	Double	None	1,59 (0,28)	0,55	37	<a href="#">NR6769-34743327-ES5</a>
CSPVC-SU_DOUBLEU1_ARG_LOWE_CARR<1	Double	<25mm(<1)	1,53 (0,27)	0,49	35	<a href="#">NR6769-34743329-ES5</a>
CSPVC-IU_TRIPLES_2ARG_1LOWE	Triple 1 Low E	None	1,31 (0,23)	0,48	39	<a href="#">NR6769-31271840-ES5</a>
CSPVC-IU_TRIPLES_2ARG_1LOWE_CARR<1	Triple 1 Low E	<25mm(<1)	1,31 (0,23)	0,43	36	<a href="#">NR6769-31271841-ES5</a>
CSPVC-IU_TRIPLES_2ARG_2LOWE	Triple 2 Low E	None	1,14 (0,20)	0,41	38	<a href="#">NR6769-31271843-ES5</a>
CSPVC-IU_TRIPLES_2ARG_2LOWE_CARR<1	Triple 2 Low E	<25mm(<1)	1,14 (0,20)	0,37	36	<a href="#">NR6769-31271844-ES5</a>
CSPVC-IU_TRIPLES_2ARG_2LOWE_CARR?1	Triple 2 Low E	>=25mm(>=1)	1,14 (0,20)	0,33	34	<a href="#">NR6769-31271845-ES5</a>

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### Double sliding windows – White and coloured PVC

Product model	Type of glass	Width of grilles mm (inches)	U Factor W/m <sup>2</sup> -K (Btu/h ft <sup>2</sup> -F) <sup>1</sup>	Solar Heat Gain Coefficient (SHGC) <sup>2</sup>	ER factor <sup>3</sup>	NRC ref. no.
CDPVC-IU_DOUBLEU1_ARG_LOWE	Double	None	1,59 (0,28)	0,53	36	<a href="#">NR6769-34743336-ES5</a>
CDPVC-IU_TRIPLES_2ARG_1LOWE	Triple 1 Low E	None	1,31 (0,23)	0,46	38	<a href="#">NR6769-31271903-ES5</a>
CDPVC-IU_TRIPLES_2ARG_1LOWE_CARR<1	Triple 1 Low E	<25mm(<1)	1,31 (0,23)	0,41	35	<a href="#">NR6769-31271904-ES5</a>
CDPVC-IU_TRIPLES_2ARG_2LOWE	Triple 2 Low E	None	1,14 (0,20)	0,4	38	<a href="#">NR6769-31271906-ES5</a>
CDPVC-IU_TRIPLES_2ARG_2LOWE_CARR<1	Triple 2 Low E	<25mm(<1)	1,14 (0,20)	0,36	36	<a href="#">NR6769-31271907-ES5</a>



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### Architectural windows – White and coloured PVC

Product model	Type of glass	Width of grilles mm (inches)	U Factor W/m <sup>2</sup> -K (Btu/h ft <sup>2</sup> -F) <sub>1</sub>	Solar Heat Gain Coefficient (SHGC) <sup>2</sup>	ER factor <sup>3</sup>	NRC ref. no.
MFPVC-IU_DOUBLEU1_ARG_LOWE	Double	None	1,59 (0,28)	0,61	40	<a href="#">NR6769-34743323-ES5</a>
MFPVC-IU_DOUBLES_ARG_LOWE_CARR<1	Double	<25mm(<1)	1,65 (0,29)	0,52	34	<a href="#">NR6769-20774673-ES5</a>
MFPVC-IU_TRIPLES_2ARG_1LOWE	Triple 1 Low E	None	1,25 (0,22)	0,53	43	<a href="#">NR6769-20774684-ES5</a>
MFPVC-IU_TRIPLES_2ARG_1LOWE_CARR<1	Triple 1 Low E	<25mm(<1)	1,25 (0,22)	0,48	40	<a href="#">NR6769-20774685-ES5</a>
MFPVC-IU_TRIPLES_2ARG_1LOWE_CARR?1	Triple 1 Low E	>=25mm(>=1)	1,25 (0,22)	0,43	37	<a href="#">NR6769-20774686-ES5</a>
MFPVC-IU_TRIPLES_2ARG_2LOWE	Triple 2 Low E	None	1,02 (0,18)	0,46	44	<a href="#">NR6769-20774696-ES5</a>
MFPVC-IU_TRIPLES_2ARG_2LOWE_CARR<1	Triple 2 Low E	<25mm(<1)	1,02 (0,18)	0,41	41	<a href="#">NR6769-20774697-ES5</a>
MFPVC-IU_TRIPLES_2ARG_2LOWE_CARR?1	Triple 2 Low E	>25mm(>1)	1,08 (0,19)	0,37	38	<a href="#">NR6769-20774698-ES5</a>

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### Architectural windows – Hybrid

Product model	Type of glass	Width of grilles mm (inches)	U Factor W/m <sup>2</sup> -K (Btu/h ft <sup>2</sup> -F) <sup>1</sup>	Solar Heat Gain Coefficient (SHGC) <sup>2</sup>	ER factor <sup>3</sup>	NRC ref. no.
MFHYB-IU_DOUBLEU1_ARG_LOWE	Double	None	1,59 (0,28)	0,60	40	<a href="#">NR6769-34743325-ES5</a>
MFHYB-IU_DOUBLES_ARG_LOWE_CARR<1	Double	<25mm(<1)	1,65 (0,29)	0,52	34	<a href="#">NR6769-20774709-ES5</a>
MFHYB-IU_TRIPLES_2ARG_1LOWE	Triple 1 Low E	None	1,25 (0,22)	0,53	43	<a href="#">NR6769-20774720-ES5</a>
MFHYB-IU_TRIPLES_2ARG_1LOWE_CARR<1	Triple 1 Low E	<25mm(<1)	1,25 (0,22)	0,48	40	<a href="#">NR6769-20774721-ES5</a>
MFHYB-IU_TRIPLES_2ARG_1LOWE_CARR?1	Triple 1 Low E	>=25mm(>=1)	1,25 (0,22)	0,43	37	<a href="#">NR6769-20774722-ES5</a>
MFHYB-IU_TRIPLES_2ARG_2LOWE	Triple 2 Low E	None	1,02 (0,18)	0,46	44	<a href="#">NR6769-20774732-ES5</a>
MFHYB-IU_TRIPLES_2ARG_2LOWE_CARR<1	Triple 2 Low E	<25mm(<1)	1,08 (0,19)	0,41	40	<a href="#">NR6769-20774733-ES5</a>
MFHYB-IU_TRIPLES_2ARG_2LOWE_CARR?1	Triple 2 Low E	>=25mm(>=1)	1,08 (0,19)	0,37	38	<a href="#">NR6769-20774734-ES5</a>

<sup>1</sup> U factor – W/m<sup>2</sup>-K (Btu/h ft<sup>2</sup>-F): Indicates the rate of a material's transfer of heat. The lower the U factor, the higher the window's performance.

<sup>2</sup> Solar Heat Gain Coefficient (SHGC): Indicates the solar energy that can pass through the window. The higher the coefficient, the higher the window's performance.

<sup>3</sup> ER factor: Indicates a window's global energy efficiency. The higher the ER factor, the higher the window's performance.

R factor: Indicates the degree of resistance in a material's temperature transfer. The higher the R factor, the higher the window's performance.