

45 Higgins Avenue Winnipeg, MB R3B 0A8

Tel: 204.339.6456 Fax: 204.334.1800 www.duxtonwindows.com

Thermal Performance SERIES 800 - Horizontal Slider

	LoĒ Surface									Overall Window			
plication	#	Gas	R- Value	U- Value	Heat Gain	Visible Light	U-Value	U-Value (metric)	Heat Gain	Visible Light	Energy Rating	Energy Star Efficiency	
h Solar Gain	3	Argon	3.85	0.26	0.68	79%	0.29	1.65	0.53	61%	-	0	
d-Range	2	Argon	4.00	0.25	0.41	72%	0.28	1.59	0.32	56%	-	0	
w Solar Gain	2	Argon	4.17	0.24	0.27	65%	0.28	1.59	0.21	50%	-	0	
gh Performano	ce												
th Solar Gain	5	Argon	5.56	0.18	0.61	73%	0.28	1.59	0.48	56%	-	0	
d-Range	2	Argon	5.26	0.19	0.38	66%	0.28	1.59	0.30	51%	-	0	
w Solar Gain	2	Argon	5.56	0.18	0.25	59%	0.28	1.59	0.20	46%	-	0	
Triple Pane - 2 LoĒ Coatings - Ultra High Performance													
h Solar Gain	2 and 5	Argon	7.69	0.13	0.56	70%	0.24	1.36	0.44	54%	34	•	
d-Range	2 and 5	Argon	7.69	0.13	0.37	63%	0.24	1.36	0.29	49%	-	0	
d-Range	2 and 5	Argon	7.69	0.13	0.35	58%	0.24	1.36	0.28	44%	-	0	
w Solar Gain	2 and 5	Argon	7.69	0.13	0.24	57%	0.24	1.36	0.20	44%	-	0	
w Solar Gain	2 and 5	Argon	8.33	0.12	0.24	47%	0.24	1.36	0.19	36%	-	0	
i d w	n Solar Gain -Range Solar Gain h Performance Solar Gain -Range Solar Gain tra High Performance Solar Gain -Range Solar Gain -Range -Range Solar Gain	h Solar Gain 3 -Range 2 Solar Gain 2 h Performance n Solar Gain 5 -Range 2 Solar Gain 2 tra High Performance n Solar Gain 2 and 5 -Range 2 and 5 -Range 2 and 5 -Range 2 and 5 Solar Gain 2 and 5	Argon Range Solar Gain Solar Gain Solar Gain Solar Gain Argon	Argon 3.85 -Range 2 Argon 4.00 -Solar Gain 2 Argon 4.17	A Solar Gain 3 Argon 3.85 0.26 -Range 2 Argon 4.00 0.25 -Solar Gain 2 Argon 4.17 0.24 - Argon 5.56 0.18 -Range 2 Argon 5.26 0.19 -Range 2 Argon 5.56 0.18 -Range 2 Argon 5.56 0.18 -Range 2 Argon 7.69 0.13 -Range 2 and 5 Argon 7.69 0.13	Argon 3.85 0.26 0.68 -Range 2 Argon 4.00 0.25 0.41 -Solar Gain 2 Argon 4.17 0.24 0.27	Argon 3.85 0.26 0.68 79% -Range 2 Argon 4.00 0.25 0.41 72% -Solar Gain 2 Argon 4.17 0.24 0.27 65% -Range 3 Argon 5.56 0.18 0.61 73% -Range 4 Argon 5.26 0.19 0.38 66% -Solar Gain 5 Argon 5.56 0.18 0.25 59% -Range 5 Argon 5.56 0.18 0.25 59% -Range 6 Argon 7.69 0.13 0.56 70% -Range 7 Solar Gain 7 Argon 7.69 0.13 0.37 63% -Range 7 Solar Gain 7 Argon 7.69 0.13 0.35 58% -Solar Gain 7 Argon 7.69 0.13 0.24 57%	Argon 3.85 0.26 0.68 79% 0.29 -Range 2 Argon 4.00 0.25 0.41 72% 0.28 -Solar Gain 2 Argon 4.17 0.24 0.27 65% 0.28 -Range 3 Argon 5.56 0.18 0.61 73% 0.28 -Range 4 Argon 5.26 0.19 0.38 66% 0.28 -Solar Gain 5 Argon 5.56 0.18 0.25 59% 0.28 -Solar Gain 2 Argon 5.56 0.18 0.25 59% 0.28 -Solar Gain 2 Argon 7.69 0.13 0.56 70% 0.24 -Range 2 and 5 Argon 7.69 0.13 0.37 63% 0.24 -Range 2 and 5 Argon 7.69 0.13 0.35 58% 0.24 -Solar Gain 2 and 5 Argon 7.69 0.13 0.24 57% 0.24	Argon 3.85 0.26 0.68 79% 0.29 1.65 -Range 2 Argon 4.00 0.25 0.41 72% 0.28 1.59 -Solar Gain 2 Argon 4.17 0.24 0.27 65% 0.28 1.59 - Solar Gain 5 Argon 5.56 0.18 0.61 73% 0.28 1.59 - Range 2 Argon 5.26 0.19 0.38 66% 0.28 1.59 - Solar Gain 2 Argon 5.56 0.18 0.25 59% 0.28 1.59 - Solar Gain 2 Argon 7.69 0.13 0.56 70% 0.24 1.36 - Range 2 and 5 Argon 7.69 0.13 0.35 58% 0.24 1.36 - Range 2 and 5 Argon 7.69 0.13 0.35 58% 0.24 1.36 - Solar Gain 2 and 5 Argon 7.69 0.13 0.24 57% 0.24 1.36	Solar Gain 3	Argon 3.85 0.26 0.68 79% 0.29 1.65 0.53 61% -Range 2 Argon 4.00 0.25 0.41 72% 0.28 1.59 0.32 56% -Solar Gain 2 Argon 4.17 0.24 0.27 65% 0.28 1.59 0.21 50% -Range 5.56 0.18 0.61 73% 0.28 1.59 0.48 56% -Range 2 Argon 5.26 0.19 0.38 66% 0.28 1.59 0.30 51% -Solar Gain 2 Argon 5.56 0.18 0.25 59% 0.28 1.59 0.30 51% -Solar Gain 2 Argon 5.56 0.18 0.25 59% 0.28 1.59 0.20 46% -Range 2 and 5 Argon 7.69 0.13 0.56 70% 0.24 1.36 0.44 54% -Range 2 and 5 Argon 7.69 0.13 0.37 63% 0.24 1.36 0.29 49% -Range 2 and 5 Argon 7.69 0.13 0.35 58% 0.24 1.36 0.28 44% -Solar Gain 2 and 5 Argon 7.69 0.13 0.35 58% 0.24 1.36 0.28 44% -Solar Gain 2 and 5 Argon 7.69 0.13 0.35 58% 0.24 1.36 0.20 44% -Solar Gain 2 and 5 Argon 7.69 0.13 0.35 58% 0.24 1.36 0.20 44% -Solar Gain 2 and 5 Argon 7.69 0.13 0.35 58% 0.24 1.36 0.20 44%	Solar Gain 3	

Performance Values are calcuated by certified, 3rd party test labs. Information is gleaned from best available industry sources. The reader is cautioned that test results should be used for comparison purposes only. Results are size and installation dependent. In-service performance can be significantly different from those shown. Product tested indicates design potential. Model size was 1500 mm x 1200 mm.



45 Higgins Avenue Winnipeg, MB R3B 0A8

Tel: 204.339.6456 Fax: 204.334.1800 www.duxtonwindows.com

Thermal Performance SERIES 800 - Horizontal Slider

<u>Notes</u>

- (1) 2-Pane Cardinal IG unit calculations based on 2 lites of 1/8" (3 mm) glass and 1/2" (13 mm) airspace.
- (2) 3-Pane Cardinal IG unit calculations based on 3 lites of 1/8" (3 mm) glass and two 5/16" (8 mm) airspaces.
- (3) Calculations for argon filled unit made with 90% Argon/ 10% air.
- (4) NFRC Environmental Conditions used for all values.
- (5) Cardinal Endur warm edge stainless steel spacer used for all values.
- (6) Thicker glass options available in Series 458, up to 6 mm in dual pane or 6 mm in triple pane.
- (7) Chart indicating Energy Star Canada efficiency designation:
 - • ENERGY STAR Most Efficient 2023
 - ENERGY STAR
 - Not Applicable

*Values updated August 2023.