



STRUCTURAL PERFORMANCE DATA:

Windows + Patio Doors

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Product Line	Unit Size W x H	Configuration	Air Infiltration	Water Resistance	Structural Test Pressure	Design Pressure	Structural Rating
Tribute Double Hung	48 x 84	Single	0.07 cfm/ft <sup>2</sup>	5.43 psf	52.63 psf	DP35	H-LC35
	42 x 77**	Single	0.05 cfm/ft <sup>2</sup>	7.52 psf	74.24 psf	DP50	H-LC50
	85 1/2 x 75	2-Wide CJ	0.06 cfm/ft <sup>2</sup>	5.43 psf	52.63 psf	DP35	H-LC35
Tribute Double Hung Commercial	54 x 91†	Single	0.06 cfm/ft <sup>2</sup>	6.06 psf	60.15 psf	DP40	H-C40
Classic Double Hung	46 x 77	Single	0.10 cfm/ft <sup>2</sup>	6.06 psf	60.15 psf	DP40	H-LC40
	46 x 60**	Single	0.08 cfm/ft <sup>2</sup>	7.52 psf	75.24 psf	DP50	H-R50
	42 x 77**	Single	0.14 cfm/ft <sup>2</sup>	7.52 psf	75.24 psf	DP50	H-LC50
	72 x 63	2-Wide CJ	0.16 cfm/ft <sup>2</sup>	6.90 psf	67.70 psf	DP45	H-R45
	72 x 72	2-Wide CJ	0.24 cfm/ft <sup>2</sup>	4.59 psf	67.67 psf	DP30	H-R30
96 x 63**	3-Wide CJ	0.21 cfm/ft <sup>2</sup>	6.06 psf	60.19 psf	DP40	H-R40	
Slimline Double Hung & Single Hung	42 x 77	Single	0.06 cfm/ft <sup>2</sup>	5.43 psf	52.63 psf	DP35	H-R35
	46 x 77	Single	0.06 cfm/ft <sup>2</sup>	4.60 psf	45.11 psf	DP30	H-LC30
	44 x 67**	Single	0.07 cfm/ft <sup>2</sup>	6.06 psf	60.19 psf	DP40	H-R40
	40 x 63**	Single	0.03 cfm/ft <sup>2</sup>	7.52 psf	75.19 psf	DP50	H-C50
Vinyl Awning	48 x 32	Single	0.01 cfm/ft <sup>2</sup>	11.28 psf	112.78 psf	DP75	AP-C75
	48 x 58	Single	0.01 cfm/ft <sup>2</sup>	7.52 psf	82.71 psf	DP55	AP-LC55
	64 x 32†	Single	0.01 cfm/ft <sup>2</sup>	7.52 psf	75.19 psf	DP50	AP-LC50
	60 x 42	Single	0.01 cfm/ft <sup>2</sup>	6.06 psf	60.19 psf	DP40	AP-C40
Vinyl Casement	36 x 80	Single	0.01 cfm/ft <sup>2</sup>	6.06 psf	60.15 psf	DP40	C-C40
	71 x 80	2-Wide CJ	0.04 cfm/ft <sup>2</sup>	5.43 psf	52.63 psf	DP35	C-C35
	56 x 72	2-Wide CJ	0.04 cfm/ft <sup>2</sup>	7.52 psf	75.19 psf	DP50	C-C50
	56 x 48	2-Wide CJ	0.04 cfm/ft <sup>2</sup>	9.82 psf	97.74 psf	DP65	C-C65
Fixed Vinyl Casement / Awning	60 x 80	Single	0.03 cfm/ft <sup>2</sup>	5.43 psf	52.63 psf	DP35	F-C35
	64 x 56	Single	0.02 cfm/ft <sup>2</sup>	7.52 psf	75.19 psf	DP50	F-C50
	46 x 60	Single	0.01 cfm/ft <sup>2</sup>	6.06 psf	60.19 psf	DP40	F-C40
Venting Vinyl Awning over Fixed w/Mull & CJ	65 x 77†	Stacked CJ-Mull	0.01 cfm/ft <sup>2</sup>	7.52 psf	75.19 psf	DP50	AP-LC50
Fixed Vinyl Casement over Venting Awning	64 x 78†	Stacked CJ	0.03 cfm/ft <sup>2</sup>	7.52 psf	75.19 psf	DP50	AP-LC50
Vinyl PW muller over Venting Awning	64 x 78†	Stacked Mull	0.01 cfm/ft <sup>2</sup>	7.52 psf	75.19 psf	DP50	AP-LC50
Vinyl Picture Window	70 x 70	Single	0.01 cfm/ft <sup>2</sup>	8.35 psf	55.14 psf	DP55	F-C55
Vinyl Designer Shape	64 x 64	Single	0.01 cfm/ft <sup>2</sup>	6.90 psf	67.67 psf	DP45	F-C45
Welded Vinyl Deadlite	57 x 57	Single	0.01 cfm/ft <sup>2</sup>	2.92 psf	22.56 psf	DP15	F-R15
Welded Vinyl Rolling Window	72 x 62 1/2	2-Lite	0.03 cfm/ft <sup>2</sup>	5.43 psf	52.63 psf	DP35	HS-LC35
	120 x 62 1/2	3-Lite	0.07 cfm/ft <sup>2</sup>	3.76 psf	37.59 psf	DP25	HS-LC25
Vinyl Hopper Window	48 x 32	Single	0.06 cfm/ft <sup>2</sup>	2.92 psf	22.57 psf	DP15	AP-R15
Vinyl Patio Door (with or without Transom)	96 x 80 (8068)	2-Lite	0.06 cfm/ft <sup>2</sup>	5.43 psf	52.63 psf	DP35	SD-R35
Vinyl Patio Door	144 x 80 (12068)	3-Lite OXO	0.01 cfm/ft <sup>2</sup>	5.43 psf	52.63 psf	DP35	SD-R35
Vigilance Patio Door Impact Resistant DP50 / Wind Zone 4	96 x 96 (8080)	2-Lite Only	0.04 cfm/ft <sup>2</sup>	7.50 psf	75.00 psf	DP50	SD-R50
Vigilance Double Hung Impact Resistant DP55 / Wind Zone 3	42 x 72	Single Only	0.10 cfm/ft <sup>2</sup>	9.82 psf	105.33 psf	DP70	H-R70
Vigilance Awning Impact Resistant DP55 / Wind Zone 3	48 x 32	Single Only	0.01 cfm/ft <sup>2</sup>	7.52 psf	82.71 psf	DP55	AP-LC55
Vigilance Casement Impact Resistant DP55 / Wind Zone 3	32 x 65	Single Only	0.02 cfm/ft <sup>2</sup>	8.35 psf	82.71 psf	DP55	C-C55
Vigilance Picture Window *** Impact Resistant DP55 / Wind Zone 3 ***Replacement frame only	64 x 65	Single Only	0.01 cfm/ft <sup>2</sup>	8.35 psf	82.71 psf	DP55	F-C55
Helix Tilt and Turn	60 x 80	Single	0.02 cfm/ft <sup>2</sup>	15.30 psf	60.19 psf	DP40	DAW-C40
	40 x 84	Single	0.01 cfm/ft <sup>2</sup>	15.30 psf	90.22 psf	DP60	DAW-C60
	60 x 48	Single	0.01 cfm/ft <sup>2</sup>	15.30 psf	97.74 psf	DP65	DAW-C65
	40 x 74	Single	0.02 cfm/ft <sup>2</sup>	15.30 psf	105.33 psf	DP70	DAW-C70
Helix Picture Window	59 x 99	Single	0.01 cfm/ft <sup>2</sup>	20.00 psf	112.50 psf	DP75	F-LC75

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<b>Acoustic Vinyl Casement (STC 35 &amp; 40)</b>	36 x 80+	Single	0.02 cfm/ft <sup>2</sup>	8.35 psf	82.71 psf	DP55	C-C55
<b>Acoustic Fixed Vinyl Casement / Awning (STC 35 &amp; 40)</b>	41 x 78+	Single	0.01 cfm/ft <sup>2</sup>	7.52 psf	75.19 psf	DP50	C-C50
<b>Majesty Double Hung</b>	44 x 75	Single	0.17 cfm/ft <sup>2</sup>	5.43 psf	52.66 psf	DP35	H-R35
<b>Majesty Picture Window</b>	54 x 54	Single	0.11 cfm/ft <sup>2</sup>	3.76 psf	52.63 psf	DP35	F-LC35
<b>Majesty Casement</b>	32 x 72	Single	0.03 cfm/ft <sup>2</sup>	3.76 psf	37.59 psf	DP25	C-LC25
<b>Majesty Fixed Casement</b>	60 x 72	Single	0.01 cfm/ft <sup>2</sup>	3.13 psf	30.08 psf	DP20	F-R20
<b>Majesty Awning</b>	48 x 39	Single	0.03 cfm/ft <sup>2</sup>	5.43 psf	52.63 psf	DP35	AP-C35
<b>Majesty Gliding Window</b>	72 x 61	2-Lite	0.26 cfm/ft <sup>2</sup>	3.75 psf	37.59 psf	DP25	HS-R25
<b>Majesty Gliding Patio Door</b>	72 x 108	2-Lite	0.24 cfm/ft <sup>2</sup>	4.59 psf	45.11 psf	DP30	SD-R30
	96 x 96	2-Lite	0.19 cfm/ft <sup>2</sup>	6.90 psf	60.15 psf	DP40	SD-LC40
	192 x 82	4-Lite	0.21 cfm/ft <sup>2</sup>	5.43 psf	52.63 psf	DP35	SD-R35
	192 x 96	4-Lite	0.18 cfm/ft <sup>2</sup>	3.75 psf	37.59 psf	DP25	SD-LC25
<b>Majesty Hinged Patio Door In-swing Multi Point</b>	64 x 82	2-Lite	0.08 cfm/ft <sup>2</sup>	6.90 psf	60.15 psf	DP40	SHD-R40
	64 x 96	2-Lite	0.10 cfm/ft <sup>2</sup>	6.90 psf	60.15 psf	DP40	SHD-R40
	72 x 96	2-Lite	0.10 cfm/ft <sup>2</sup>	7.52 psf	75.19 psf	DP50	SHD-R50
	72 x 108	2-Lite	0.08 cfm/ft <sup>2</sup>	4.59 psf	45.11 psf	DP30	SHD-R30
<b>Majesty Hinged Patio Door Out-swing Multi Point</b>	64 x 82	2-Lite	0.20 cfm/ft <sup>2</sup>	6.90 psf	60.15 psf	DP40	SHD-R40
	64 x 96	2-Lite	0.10 cfm/ft <sup>2</sup>	6.90 psf	60.15 psf	DP40	SHD-R40
	72 x 96	2-Lite	0.10 cfm/ft <sup>2</sup>	7.52 psf	75.19 psf	DP50	SHD-LC50
	72 x 108	2-Lite	0.04 cfm/ft <sup>2</sup>	4.59 psf	45.11 psf	DP30	SHD-R30

#### Notes:

† Reinforced sash

\*\* Sill Rise Extender will reduce clear opening height by 9/16"

\*\*\* Vigilance Picture Window is available as a 3 1/4" replacement frame only.

#### Legend:

Product Line	Describes that product line of windows and doors and provides the Name for that line.
Unit Size	Shows the overall size of the window tested to achieve the results listed.
Configuration	Indicates the window or door configuration, number of units and/or shape tested
Air Infiltration	A measure of a windows air flow passing through the window taken at 1.57 psf. (25 mph equivalent).
Water Resistance	A measure of a windows water performance or resistance to water entry expressed in psf.
Structural Test Pressure	Overload pressure used during testing (1.5 x Design Pressure)
Design Pressure (DP Rating)	Overall structural performance rating for the subject window based on Air, Water and Structural performance
psf	Pressure measurement = Pounds per square foot (Lbs./ft <sup>2</sup> )
cfm/ft <sup>2</sup>	Air Infiltration measurement expressed in Cubic Feet / Minute / Square Foot of window or Door
Single	Indicates a single unit was tested to achieve the results
2-Wide CJ	Indicates window is a 2-Wide unit made in a Common Jamb configuration
3-Wide CJ	Indicates window is a 3-Wide unit made in a Common Jamb configuration
2-Lite	Indicates a 2-Lite window configuration on windows that can be 2 or 3 lites
3-Lite	Indicates a 3-Lite window configuration on windows that can be 2 or 3 lites

#### Performance Class

R = Residential Performance	≥DP15
LC = Light Commercial Performance	≥DP25
C = Commercial Performance	≥DP30

#### Product Type:

H = Single or Double Hung window
AP = Awning Projected Window
C = Casement Window
F = Fixed Window
HS = Horizontal Slider Window
DAW = Dual Action Window
SD = Sliding Door
SHD = Side Hinged Door