Structural Performance Data

Contemporary Multi-Slide Door (8726)

WEATHER SHIELD. WINDOWS & DOORS

Unit Style	Model Number	Size Tested (total frame size)	Size Tested (Panel size)	AAMA/WDMA/CSA 101/I.S.2/A440-11	Design Pressure Rating (psf)	Structural Test Pressure (psf)	Water Performance (psf)	Air Infiltration (cfm/ft^2)	Forced Entry Resistance	Data Valid Until
Multi-slide door 5-Panel Non-Pocketing Single direction - High sill Riser[1]	8726	260-3/4"x120-1/8"	54"x116-15/16"	LC-PG35-SD	+/-35	+/-52.5	5.25	0.25	10 / C	4/13/2031
Multi-slide door 5-Panel Non-Pocketing Single direction - Low sill Riser[2]	8726	260-3/4"x120-1/8"	54"x116-15/16"	LC-PG20-SD	+/-20	+/-30	3.00	0.25	10 / C	4/13/2031

Revised 10/20/21

Alternative sizing based on engineering analysis

Single direction stacking doors up to 5 panels with or without pocket

Jamb Height (inch)	Structural Design Pressure (psf) for Panel Width (inch) See notes 3-5 for water rating							
	30	36	42	48	54	60	66	72
80	91.5	80.1	72.3	66.9	63.0	60.3	58.6	57.6
84	85.9	75.0	67.5	62.2	58.3	55.6	53.7	52.5
90	78.8	68.5	61.4	56.3	52.5	49.7	47.7	46.3
96	72.7	63.0	56.3	51.4	47.7	45.0	43.0	-
102	67.5	58.3	51.9	47.3	43.8	41.1	-	-
108	63.0	54.3	48.2	43.8	40.4	37.8	-	-
114	59.1	50.8	45.0	40.7	37.5	-	-	-
120	55.6	47.7	42.2	38.1	35.0	-	-	-
126	51.0	43.0	37.3	33.1	-	-	-	-
132	44.1	37.1	32.2	28.5	-	-	-	-
138	38.4	32.3	28.0	-	-	-	-	-
144	33.7	28.3	24.5	-	-	-	-	-

Notes:
1. Panel widths with dash (-) have panel area greater then the tested panel.
2. Panel Height for analysis is Door height - 3".
3. **Positive design pressure is limited by water test to 50 psf with High Sill Riser (2-1/2").**
4. **Positive design pressure is limited by water test to 20 psf with Low Sill Riser (1-1/2").**
5. **Door installed where the overhang ratio ≥ 1 are not limited by water test pressure in accordance with FBC §2411.3.2.1.**
6. Structural design pressures are not limited by glass strength.
7. Example: 90" tall door with 48" wide panels
   Calculated Structural Design Pressure: 56.3 psf
   Installed with High Sill Riser (2-1/2"): DP=+50.0/-56.3 psf
   Installed with Low Sill Riser (1-1/2"): DP=+20.0/-56.3 psf
   Installed under overhang: DP=+56.3/-56.3 psf

Alternative sizing based on engineering analysis

Bi-parting stacking doors up to 10 panels with or without pocket

Jamb Height (inch)	Structural Design Pressure (psf) for Panel Width (inch) See notes 3-5 for water rating							
	30	36	42	48	54	60	66	72
80	78.4	68.6	62.0	57.3	54.0	51.7	50.2	49.4
84	73.6	64.3	57.9	53.3	50.0	47.6	46.0	45.0
90	67.5	58.7	52.6	48.2	45.0	42.6	40.9	39.7
96	62.3	54.0	48.2	44.0	40.9	38.6	36.8	-
102	57.9	50.0	44.5	40.5	37.5	35.2	-	-
108	54.0	46.6	41.3	37.5	34.6	32.4	-	-
114	50.6	43.5	38.6	34.9	32.1	-	-	-
120	47.6	40.9	36.2	32.7	30.0	-	-	-
126	43.7	36.8	32.0	28.4	-	-	-	-
132	37.8	31.8	27.6	24.4	-	-	-	-
138	32.9	27.7	24.0	-	-	-	-	-
144	28.9	24.3	21.0	-	-	-	-	-

Notes:
1. Panel widths with dash (-) have panel area greater then the tested panel.
2. Panel Height for analysis is Door height - 3".
3. **Positive design pressure is limited by water test to 40 psf with High Sill Riser (2-1/2").**
4. **Positive design pressure is limited by water test to 20 psf with Low Sill Riser (1-1/2").**
5. **Door installed where the overhang ratio ≥ 1 are not limited by water test pressure in accordance with FBC §2411.3.2.1.**
6. Structural design pressures are not limited by glass strength.
7. Example: 90" tall door with 48" wide panels
   Calculated Structural Design Pressure: 48.2 psf
   Installed with High Sill Riser (2-1/2"): DP=+40.0/-56.3 psf
   Installed with Low Sill Riser (1-1/2"): DP=+20.0/-56.3 psf
   Installed under overhang: DP=+48.2/-48.2 psf

[1]Units tested with 2.5" sill riser

[2]Units tested with1.5" sill riser