

Premium Series™ Opening Specifications

**WEATHER SHIELD.
WINDOWS & DOORS**

Inswing French Door (8510) - Standard Sill - 1-3/4" Panel

Ordering Size	Sq. Ft. Clear Opening		Clear Opening ^a				Sq. Ft. Daylight Opening			Sq. Ft. Vent		Sq. Ft. Overall Unit Area ^b
	1 Oper. Panel	2 Oper. Panels	Width		Height	7-1/2" Bottom Rail	10" Bottom Rail	12" Bottom Rail	1 Oper. Panel	2 Oper. Panels		
			1 Oper. Panel	2 Oper. Panels								
2-1 x 6-8	10.40	---	19.66	---	76.18	5.45	5.24	5.07	10.40	---	13.43	
2-7 x 6-8	13.58	---	25.66	---	76.18	8.12	7.80	7.55	13.58	---	16.74	
2-9 x 6-8	14.63	---	27.66	---	76.18	9.00	8.65	8.37	14.63	---	17.85	
3-1 x 6-8	16.75	---	31.66	---	76.18	10.78	10.36	10.02	16.75	---	20.06	
3-2 x 6-8	17.41	---	32.91	---	76.18	11.34	10.89	10.54	17.41	---	20.75	
4-0 x 6-8	10.25	21.55	19.38	40.73	76.18	10.90	10.48	10.14	10.25	21.55	26.10	
5-0 x 6-8	13.43	27.89	25.38	52.73	76.18	16.24	15.60	15.10	13.43	27.89	32.72	
5-4 x 6-8	14.48	30.01	27.38	56.73	76.18	18.00	17.30	16.74	14.48	30.01	34.93	
6-0 x 6-8	16.60	34.24	31.38	64.73	76.18	21.56	20.72	20.04	16.60	34.24	39.35	
6-2 x 6-8	17.24	35.53	32.60	67.16	76.18	22.68	21.78	21.08	17.24	35.53	40.70	
2-1 x 6-10	10.74	---	19.66	---	78.68	5.67	5.45	5.28	10.74	---	13.85	
2-7 x 6-10	14.02	---	25.66	---	78.68	8.43	8.12	7.86	14.02	---	17.27	
2-9 x 6-10	15.11	---	27.66	---	78.68	9.36	9.00	8.72	15.11	---	18.41	
3-1 x 6-10	17.30	---	31.66	---	78.68	11.20	10.78	10.44	17.30	---	20.69	
3-2 x 6-10	17.98	---	32.91	---	78.68	11.78	11.34	10.98	17.98	---	21.40	
4-0 x 6-10	10.59	22.25	19.38	40.73	78.68	11.34	10.90	10.56	10.59	22.25	26.92	
5-0 x 6-10	13.87	28.81	25.38	52.73	78.68	16.86	16.24	15.72	13.87	28.81	33.75	
5-4 x 6-10	14.96	30.99	27.38	56.73	78.68	18.72	18.00	17.44	14.96	30.99	36.03	
6-0 x 6-10	17.14	35.37	31.38	64.73	78.68	22.40	21.56	20.88	17.14	35.37	40.59	
6-2 x 6-10	17.81	36.70	32.60	67.16	78.68	23.56	22.68	21.96	17.81	36.70	41.98	
2-1 x 7-2	11.29	---	19.66	---	82.68	6.01	5.79	5.62	11.29	---	14.53	
2-7 x 7-2	14.73	---	25.66	---	82.68	8.94	8.62	8.37	14.73	---	18.11	
2-9 x 7-2	15.88	---	27.66	---	82.68	9.92	9.57	9.29	15.88	---	19.30	
3-1 x 7-2	18.18	---	31.66	---	82.68	11.88	11.46	11.12	18.18	---	21.69	
3-2 x 7-2	18.90	---	32.91	---	82.68	12.49	12.05	11.69	18.90	---	22.44	
4-0 x 7-2	11.13	23.38	19.38	40.73	82.68	12.02	11.58	11.24	11.13	23.38	28.23	
5-0 x 7-2	14.57	30.27	25.38	52.73	82.68	17.88	17.24	16.74	14.57	30.27	35.40	
5-4 x 7-2	15.72	32.57	27.38	56.73	82.68	19.84	19.14	18.58	15.72	32.57	37.79	
6-0 x 7-2	18.02	37.16	31.38	64.73	82.68	23.76	22.92	22.24	18.02	37.16	42.57	
6-2 x 7-2	18.72	38.56	32.60	67.16	82.68	24.98	24.10	23.38	18.72	38.56	44.02	
2-1 x 8-0	12.65	---	19.66	---	92.68	6.86	6.65	6.48	12.65	---	16.21	
2-7 x 8-0	16.52	---	25.66	---	92.68	10.21	9.89	9.64	16.52	---	20.21	
2-9 x 8-0	17.80	---	27.66	---	92.68	11.33	10.98	10.70	17.80	---	21.55	
3-1 x 8-0	20.38	---	31.66	---	92.68	13.56	13.14	12.80	20.38	---	24.22	
3-2 x 8-0	21.18	---	32.91	---	92.68	14.26	13.82	13.46	21.18	---	25.05	
4-0 x 8-0	12.47	26.21	19.38	40.73	92.68	13.72	13.30	12.96	12.47	26.21	31.51	
5-0 x 8-0	16.33	33.94	25.38	52.73	92.68	20.42	19.78	19.28	16.33	33.94	39.51	
5-4 x 8-0	17.62	36.51	27.38	56.73	92.68	22.66	21.96	21.40	17.62	36.51	42.18	
6-0 x 8-0	20.20	41.66	31.38	64.73	92.68	27.12	26.28	25.60	20.20	41.66	47.52	
6-2 x 8-0	20.98	43.23	32.60	67.16	92.68	28.52	27.64	26.92	20.98	43.23	49.14	
2-1 x 8-2	12.93	---	19.66	---	94.68	7.03	6.82	6.65	12.93	---	16.55	
2-7 x 8-2	16.87	---	25.66	---	94.68	10.47	10.15	9.89	16.87	---	20.64	
2-9 x 8-2	18.19	---	27.66	---	94.68	11.61	11.26	10.98	18.19	---	22.00	
3-1 x 8-2	20.82	---	31.66	---	94.68	13.90	13.48	13.14	20.82	---	24.72	
3-2 x 8-2	21.64	---	32.91	---	94.68	14.62	14.17	13.82	21.64	---	25.57	
4-0 x 8-2	12.74	26.78	19.38	40.73	94.68	14.06	13.64	13.30	12.74	26.78	32.17	
5-0 x 8-2	16.69	34.67	25.38	52.73	94.68	20.94	20.30	19.78	16.69	34.67	40.34	
5-4 x 8-2	18.00	37.30	27.38	56.73	94.68	23.22	22.52	21.96	18.00	37.30	43.06	
6-0 x 8-2	20.63	42.56	31.38	64.73	94.68	27.80	26.96	26.28	20.63	42.56	48.51	
6-2 x 8-2	21.43	44.16	32.60	67.16	94.68	29.24	28.34	27.64	21.43	44.16	50.16	
2-1 x 9-0	14.29	---	19.66	---	104.68	---	7.67	7.50	14.29	---	18.24	
2-7 x 9-0	18.65	---	25.66	---	104.68	---	11.42	11.16	18.65	---	22.74	
2-9 x 9-0	20.11	---	27.66	---	104.68	---	12.67	12.39	20.11	---	24.24	
3-1 x 9-0	23.02	---	31.66	---	104.68	---	15.17	14.83	23.02	---	27.24	
3-2 x 9-0	23.92	---	32.91	---	104.68	---	15.95	15.59	23.92	---	28.18	
4-0 x 9-0	14.09	29.61	19.38	40.73	104.68	---	15.34	15.00	14.09	29.61	35.45	
5-0 x 9-0	18.45	38.33	25.38	52.73	104.68	---	22.84	22.32	18.45	38.33	44.45	
5-4 x 9-0	19.90	41.24	27.38	56.73	104.68	---	25.34	24.78	19.90	41.24	47.45	
6-0 x 9-0	22.81	47.05	31.38	64.73	104.68	---	30.34	29.66	22.81	47.05	53.45	
6-2 x 9-0	23.70	48.82	32.60	67.16	104.68	---	31.90	31.18	23.70	48.82	55.28	

Premium Series™

Opening Specifications

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WINDOWS & DOORS

Inswing French Door (8510) - Standard Sill - 1-3/4" Panel

Ordering Size	Sq. Ft. Clear Opening		Clear Opening ^a				Sq. Ft. Daylight Opening			Sq. Ft. Vent		Sq. Ft. Overall Unit Area ^b
	1 Oper. Panel	2 Oper. Panels	Width		Height	7-1/2" Bottom Rail	10" Bottom Rail	12" Bottom Rail	1 Oper. Panel	2 Oper. Panels		
			1 Oper. Panel	2 Oper. Panels								
2-1 x 10-0	15.93	---	19.66	---	116.68	---	8.69	8.52	15.93	---	20.27	
2-7 x 10-0	20.79	---	25.66	---	116.68	---	12.94	12.69	20.79	---	25.27	
2-9 x 10-0	22.41	---	27.66	---	116.68	---	14.36	14.08	22.41	---	26.93	
3-1 x 10-0	25.65	---	31.66	---	116.68	---	17.19	16.85	25.65	---	30.27	
3-2 x 10-0	26.67	---	32.91	---	116.68	---	18.07	17.72	26.67	---	31.31	
4-0 x 10-0	15.70	33.00	19.38	40.73	116.68	---	17.38	17.04	15.70	33.00	39.39	
5-0 x 10-0	20.56	42.72	25.38	52.73	116.68	---	25.88	25.38	20.56	42.72	49.39	
5-4 x 10-0	22.18	45.96	27.38	56.73	116.68	---	28.72	28.16	22.18	45.96	52.72	
6-0 x 10-0	25.42	52.45	31.38	64.73	116.68	---	34.38	33.70	25.42	52.45	59.39	
6-2 x 10-0	26.41	54.42	32.60	67.16	116.68	---	36.14	35.44	26.41	54.42	61.42	

^a All calculations assume operating panel is open 90 degrees.

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^b Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

Premium Series™

Opening Specifications

Inswing French Door (8510) - ADA Sill - 1-3/4" Panel

WEATHER SHIELD.

WINDOWS & DOORS

Ordering Size	Sq. Ft. Clear Opening		Clear Opening ^a				Sq. Ft. Daylight Opening			Sq. Ft. Vent		Sq. Ft. Overall Unit Area ^b
	1 Oper. Panel	2 Oper. Panels	Width		Height	7-1/2" Bottom Rail	10" Bottom Rail	12" Bottom Rail	1 Oper. Panel	2 Oper. Panels		
			1 Oper. Panel	2 Oper. Panels								
2-1 x 6-8	10.45	---	19.77	---	76.14	5.45	5.24	5.07	10.45	---	13.17	
2-7 x 6-8	13.62	---	25.77	---	76.14	8.12	7.80	7.55	13.62	---	16.43	
2-9 x 6-8	14.68	---	27.77	---	76.14	9.00	8.65	8.37	14.68	---	17.51	
3-1 x 6-8	16.80	---	31.77	---	76.14	10.78	10.36	10.02	16.80	---	19.68	
3-2 x 6-8	17.46	---	33.02	---	76.14	11.34	10.89	10.54	17.46	---	20.35	
4-0 x 6-8	10.25	21.50	19.38	40.66	76.14	10.90	10.48	10.14	10.25	21.50	25.60	
5-0 x 6-8	13.42	27.84	25.38	52.66	76.14	16.24	15.60	15.10	13.42	27.84	32.11	
5-4 x 6-8	14.48	29.96	27.38	56.66	76.14	18.00	17.30	16.74	14.48	29.96	34.27	
6-0 x 6-8	16.59	34.19	31.38	64.66	76.14	21.56	20.72	20.04	16.59	34.19	38.61	
6-2 x 6-8	17.24	35.48	32.60	67.09	76.14	22.68	21.78	21.08	17.24	35.48	39.93	
2-1 x 6-10	10.79	---	19.77	---	78.64	5.67	5.45	5.28	10.79	---	13.60	
2-7 x 6-10	14.07	---	25.77	---	78.64	8.43	8.12	7.86	14.07	---	16.95	
2-9 x 6-10	15.16	---	27.77	---	78.64	9.36	9.00	8.72	15.16	---	18.07	
3-1 x 6-10	17.35	---	31.77	---	78.64	11.20	10.78	10.44	17.35	---	20.31	
3-2 x 6-10	18.03	---	33.02	---	78.64	11.78	11.34	10.98	18.03	---	21.01	
4-0 x 6-10	10.58	22.20	19.38	40.66	78.64	11.34	10.90	10.56	10.58	22.20	26.42	
5-0 x 6-10	13.86	28.76	25.38	52.66	78.64	16.86	16.24	15.72	13.86	28.76	33.14	
5-4 x 6-10	14.95	30.94	27.38	56.66	78.64	18.72	18.00	17.44	14.95	30.94	35.37	
6-0 x 6-10	17.14	35.31	31.38	64.66	78.64	22.40	21.56	20.88	17.14	35.31	39.85	
6-2 x 6-10	17.80	36.64	32.60	67.09	78.64	23.56	22.68	21.96	17.80	36.64	41.21	
2-1 x 7-2	11.34	---	19.77	---	82.64	6.01	5.79	5.62	11.34	---	14.27	
2-7 x 7-2	14.79	---	25.77	---	82.64	8.94	8.62	8.37	14.79	---	17.79	
2-9 x 7-2	15.93	---	27.77	---	82.64	9.92	9.57	9.29	15.93	---	18.97	
3-1 x 7-2	18.23	---	31.77	---	82.64	11.88	11.46	11.12	18.23	---	21.32	
3-2 x 7-2	18.95	---	33.02	---	82.64	12.49	12.05	11.69	18.95	---	22.05	
4-0 x 7-2	11.12	23.33	19.38	40.66	82.64	12.02	11.58	11.24	11.12	23.33	27.74	
5-0 x 7-2	14.56	30.22	25.38	52.66	82.64	17.88	17.24	16.74	14.56	30.22	34.78	
5-4 x 7-2	15.71	32.51	27.38	56.66	82.64	19.84	19.14	18.58	15.71	32.51	37.13	
6-0 x 7-2	18.01	37.11	31.38	64.66	82.64	23.76	22.92	22.24	18.01	37.11	41.83	
6-2 x 7-2	18.71	38.50	32.60	67.09	82.64	24.98	24.10	23.38	18.71	38.50	43.26	
2-1 x 8-0	12.72	---	19.77	---	92.64	6.86	6.65	6.48	12.72	---	15.96	
2-7 x 8-0	16.58	---	25.77	---	92.64	10.21	9.89	9.64	16.58	---	19.90	
2-9 x 8-0	17.86	---	27.77	---	92.64	11.33	10.98	10.70	17.86	---	21.21	
3-1 x 8-0	20.44	---	31.77	---	92.64	13.56	13.14	12.80	20.44	---	23.84	
3-2 x 8-0	21.24	---	33.02	---	92.64	14.26	13.82	13.46	21.24	---	24.66	
4-0 x 8-0	12.47	26.16	19.38	40.66	92.64	13.72	13.30	12.96	12.47	26.16	31.02	
5-0 x 8-0	16.33	33.88	25.38	52.66	92.64	20.42	19.78	19.28	16.33	33.88	38.90	
5-4 x 8-0	17.61	36.45	27.38	56.66	92.64	22.66	21.96	21.40	17.61	36.45	41.52	
6-0 x 8-0	20.19	41.60	31.38	64.66	92.64	27.12	26.28	25.60	20.19	41.60	46.77	
6-2 x 8-0	20.97	43.16	32.60	67.09	92.64	28.52	27.64	26.92	20.97	43.16	48.37	
2-1 x 8-2	12.99	---	19.77	---	94.64	7.03	6.82	6.65	12.99	---	16.30	
2-7 x 8-2	16.93	---	25.77	---	94.64	10.47	10.15	9.89	16.93	---	20.32	
2-9 x 8-2	18.25	---	27.77	---	94.64	11.61	11.26	10.98	18.25	---	21.66	
3-1 x 8-2	20.88	---	31.77	---	94.64	13.90	13.48	13.14	20.88	---	24.34	
3-2 x 8-2	21.70	---	33.02	---	94.64	14.62	14.17	13.82	21.70	---	25.18	
4-0 x 8-2	12.74	26.72	19.38	40.66	94.64	14.06	13.64	13.30	12.74	26.72	31.67	
5-0 x 8-2	16.68	34.61	25.38	52.66	94.64	20.94	20.30	19.78	16.68	34.61	39.72	
5-4 x 8-2	17.99	37.24	27.38	56.66	94.64	23.22	22.52	21.96	17.99	37.24	42.40	
6-0 x 8-2	20.62	42.49	31.38	64.66	94.64	27.80	26.96	26.28	20.62	42.49	47.76	
6-2 x 8-2	21.42	44.10	32.60	67.09	94.64	29.24	28.34	27.64	21.42	44.10	49.40	
2-1 x 9-0	14.36	---	19.77	---	104.64	---	7.67	7.50	14.36	---	17.99	
2-7 x 9-0	18.72	---	25.77	---	104.64	---	11.42	11.16	18.72	---	22.43	
2-9 x 9-0	20.18	---	27.77	---	104.64	---	12.67	12.39	20.18	---	23.90	
3-1 x 9-0	23.08	---	31.77	---	104.64	---	15.17	14.83	23.08	---	26.86	
3-2 x 9-0	23.99	---	33.02	---	104.64	---	15.95	15.59	23.99	---	27.79	
4-0 x 9-0	14.08	29.54	19.38	40.66	104.64	---	15.34	15.00	14.08	29.54	34.96	
5-0 x 9-0	18.44	38.26	25.38	52.66	104.64	---	22.84	22.32	18.44	38.26	43.83	
5-4 x 9-0	19.89	41.17	27.38	56.66	104.64	---	25.34	24.78	19.89	41.17	46.79	
6-0 x 9-0	22.80	46.98	31.38	64.66	104.64	---	30.34	29.66	22.80	46.98	52.71	
6-2 x 9-0	23.69	48.75	32.60	67.09	104.64	---	31.90	31.18	23.69	48.75	54.51	

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WINDOWS & DOORS

Ordering Size	Sq. Ft. Clear Opening		Clear Opening ^a				Sq. Ft. Daylight Opening			Sq. Ft. Vent		Sq. Ft. Overall Unit Area ^b
	1 Oper. Panel	2 Oper. Panels	Width		Height	7-1/2" Bottom Rail	10" Bottom Rail	12" Bottom Rail	1 Oper. Panel	2 Oper. Panels		
			1 Oper. Panel	2 Oper. Panels								
2-1 x 10-0	16.01	---	19.77	---	116.64	---	8.69	8.52	16.01	---	20.01	
2-7 x 10-0	20.87	---	25.77	---	116.64	---	12.94	12.69	20.87	---	24.95	
2-9 x 10-0	22.49	---	27.77	---	116.64	---	14.36	14.08	22.49	---	26.60	
3-1 x 10-0	25.73	---	31.77	---	116.64	---	17.19	16.85	25.73	---	29.89	
3-2 x 10-0	26.74	---	33.02	---	116.64	---	18.07	17.72	26.74	---	30.92	
4-0 x 10-0	15.70	32.93	19.38	40.66	116.64	---	17.38	17.04	15.70	32.93	38.89	
5-0 x 10-0	20.56	42.65	25.38	52.66	116.64	---	25.88	25.38	20.56	42.65	48.77	
5-4 x 10-0	22.18	45.89	27.38	56.66	116.64	---	28.72	28.16	22.18	45.89	52.06	
6-0 x 10-0	25.42	52.37	31.38	64.66	116.64	---	34.38	33.70	25.42	52.37	58.65	
6-2 x 10-0	26.40	54.35	32.60	67.09	116.64	---	36.14	35.44	26.40	54.35	60.65	

^a All calculations assume operating panel is open 90 degrees.

^b Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

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