

Weather Shield Series™

Opening Specifications

HR175 Single Hung Windows (6101)

Revised 7/5/17

WEATHER SHIELD.

WINDOWS & DOORS

Rough Opening Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Floor to Bottom of Clear Opening ^a	Sq. Ft. Overall Unit Area ^b
		Width	Height				
25x42	1.88	20.05	13.47	3.23	1.88	44.63	6.73
25x48	2.29	20.05	16.47	3.87	2.29	38.63	7.73
25x54	2.71	20.05	19.47	4.50	2.71	32.63	8.73
25x60	3.13	20.05	22.47	5.14	3.13	26.63	9.73
25x66	3.55	20.05	25.47	5.77	3.55	20.63	10.73
25x72	3.97	20.05	28.47	6.41	3.97	14.63	11.73
25x78	4.38	20.05	31.47	7.04	4.38	8.63	12.73
25x84	4.80	20.05	34.47	7.68	4.80	40.63	13.73
25x90	5.22	20.05	37.47	8.31	5.22	34.63	14.73
25x96	5.64	20.05	40.47	8.95	5.64	28.63	15.73
25x102	6.05	20.05	43.47	9.58	6.05	22.63	16.73
25x108	6.47	20.05	46.47	10.22	6.47	16.63	17.73
25x114	6.89	20.05	49.47	10.86	6.89	10.63	18.73
25x120	7.31	20.05	52.47	11.49	7.31	4.63	19.73
28x42	2.16	23.05	13.47	3.87	2.16	44.63	7.57
28x48	2.64	23.05	16.47	4.63	2.64	38.63	8.70
28x54	3.12	23.05	19.47	5.39	3.12	32.63	9.82
28x60	3.60	23.05	22.47	6.15	3.60	26.63	10.95
28x66	4.08	23.05	25.47	6.91	4.08	20.63	12.07
28x72	4.56	23.05	28.47	7.67	4.56	14.63	13.20
28x78	5.04	23.05	31.47	8.43	5.04	8.63	14.32
28x84	5.52	23.05	34.47	9.19	5.52	40.63	15.45
28x90	6.00	23.05	37.47	9.95	6.00	34.63	16.57
28x96	6.48	23.05	40.47	10.71	6.48	28.63	17.70
28x102	6.96	23.05	43.47	11.47	6.96	22.63	18.82
28x108	7.44	23.05	46.47	12.23	7.44	16.63	19.95
28x114	7.92	23.05	49.47	12.99	7.92	10.63	21.07
28x120	8.40	23.05	52.47	13.75	8.40	4.63	22.20
30x42	2.34	25.05	13.47	4.29	2.34	44.63	8.13
30x48	2.87	25.05	16.47	5.13	2.87	38.63	9.34
30x54	3.39	25.05	19.47	5.98	3.39	32.63	10.55
30x60	3.91	25.05	22.47	6.82	3.91	26.63	11.76
30x66	4.43	25.05	25.47	7.66	4.43	20.63	12.96
30x72	4.95	25.05	28.47	8.51	4.95	14.63	14.17
30x78	5.48	25.05	31.47	9.35	5.48	8.63	15.38
30x84	6.00	25.05	34.47	10.20	6.00	40.63	16.59
30x90	6.52	25.05	37.47	11.04	6.52	34.63	17.80
30x96	7.04	25.05	40.47	11.88	7.04	28.63	19.01
30x102	7.56	25.05	43.47	12.73	7.56	22.63	20.21
30x108	8.09	25.05	46.47	13.57	8.09	16.63	21.42
30x114	8.61	25.05	49.47	14.41	8.61	10.63	22.63
30x120	9.13	25.05	52.47	15.26	9.13	4.63	23.84
32x42	2.53	27.05	13.47	4.71	2.53	44.63	8.69
32x48	3.10	27.05	16.47	5.64	3.10	38.63	9.98
32x54	3.66	27.05	19.47	6.57	3.66	32.63	11.28
32x60	4.22	27.05	22.47	7.49	4.22	26.63	12.57
32x66	4.79	27.05	25.47	8.42	4.79	20.63	13.86
32x72	5.35	27.05	28.47	9.35	5.35	14.63	15.15
32x78	5.91	27.05	31.47	10.28	5.91	8.63	16.44
32x84	6.48	27.05	34.47	11.20	6.48	40.63	17.73
32x90	7.04	27.05	37.47	12.13	7.04	34.63	19.03
32x96	7.60	27.05	40.47	13.06	7.60	28.63	20.32
32x102	8.17	27.05	43.47	13.98	8.17	22.63	21.61
32x108	8.73	27.05	46.47	14.91	8.73	16.63	22.90
32x114	9.29	27.05	49.47	15.84	9.29	10.63	24.19
32x120	9.86	27.05	52.47	16.76	9.86	4.63	25.48

Shaded sizes meet or exceed egress opening requirements per 2015 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44".

^a Floor to bottom of clear opening dimensions are based on 82" jamb height of a 6-10 door.

All units 84" and over R.O. height are based off 120" jamb height for floor to clear opening dimension

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

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		Width	Height				
36x42	2.91	31.05	13.47	5.56	2.91	44.63	9.81
36x48	3.55	31.05	16.47	6.65	3.55	38.63	11.27
36x54	4.20	31.05	19.47	7.75	4.20	32.63	12.73
36x60	4.85	31.05	22.47	8.84	4.85	26.63	14.19
36x66	5.49	31.05	25.47	9.93	5.49	20.63	15.65
36x72	6.14	31.05	28.47	11.03	6.14	14.63	17.11
36x78	6.79	31.05	31.47	12.12	6.79	8.63	18.56
36x84	7.43	31.05	34.47	13.22	7.43	2.63	20.02
36x90	8.08	31.05	37.47	14.31	8.08	34.63	21.48
36x96	8.73	31.05	40.47	15.40	8.73	28.63	22.94
36x102	9.38	31.05	43.47	16.50	9.38	22.63	24.40
36x108	10.02	31.05	46.47	17.59	10.02	16.63	25.86
36x114	10.67	31.05	49.47	18.68	10.67	10.63	27.31
36x120	11.32	31.05	52.47	19.78	11.32	4.63	28.77
40x42	3.28	35.05	13.47	6.41	3.28	44.63	10.93
40x48	4.01	35.05	16.47	7.67	4.01	38.63	12.56
40x54	4.74	35.05	19.47	8.93	4.74	32.63	14.18
40x60	5.47	35.05	22.47	10.19	5.47	26.63	15.81
40x66	6.20	35.05	25.47	11.45	6.20	20.63	17.43
40x72	6.93	35.05	28.47	12.71	6.93	14.63	19.06
40x78	7.66	35.05	31.47	13.97	7.66	8.63	20.68
40x84	8.39	35.05	34.47	15.23	8.39	40.63	22.31
40x90	9.12	35.05	37.47	16.49	9.12	34.63	23.93
40x96	9.85	35.05	40.47	17.75	9.85	28.63	25.56
40x102	10.58	35.05	43.47	19.01	10.58	22.63	27.18
40x108	11.31	35.05	46.47	20.27	11.31	16.63	28.81
40x114	12.04	35.05	49.47	21.53	12.04	10.63	30.43
40x120	12.77	35.05	52.47	22.79	12.77	4.63	32.06
42x42	3.47	37.05	13.47	6.83	3.47	44.63	11.50
42x48	4.24	37.05	16.47	8.17	4.24	38.63	13.20
42x54	5.01	37.05	19.47	9.52	5.01	32.63	14.91
42x60	5.78	37.05	22.47	10.86	5.78	26.63	16.62
42x66	6.55	37.05	25.47	12.21	6.55	20.63	18.33
42x72	7.33	37.05	28.47	13.55	7.33	14.63	20.04
42x78	8.10	37.05	31.47	14.89	8.10	8.63	21.75
42x84	8.87	37.05	34.47	16.24	8.87	40.63	23.45
42x90	9.64	37.05	37.47	17.58	9.64	34.63	25.16
42x96	10.41	37.05	40.47	18.92	10.41	28.63	26.87
42x102	11.19	37.05	43.47	20.27	11.19	22.63	28.58
42x108	11.96	37.05	46.47	21.61	11.96	16.63	30.29
42x114	12.73	37.05	49.47	22.96	12.73	10.63	32.00
42x120	13.50	37.05	52.47	24.30	13.50	4.63	33.70
48x42	4.03	43.05	13.47	8.10	4.03	44.63	13.18
48x48	4.93	43.05	16.47	9.70	4.93	38.63	15.14
48x54	5.82	43.05	19.47	11.29	5.82	32.63	17.09
48x60	6.72	43.05	22.47	12.88	6.72	26.63	19.05
48x66	7.62	43.05	25.47	14.48	7.62	20.63	21.01
48x72	8.51	43.05	28.47	16.07	8.51	14.63	22.97
48x78	9.41	43.05	31.47	17.66	9.41	8.63	24.93
48x84	10.31	43.05	34.47	19.26	10.31	40.63	26.89
48x90	11.20	43.05	37.47	20.85	11.20	34.63	28.84
48x96	12.10	43.05	40.47	22.45	12.10	28.63	30.80
48x102	13.00	43.05	43.47	24.04	13.00	22.63	32.76
48x108	13.90	43.05	46.47	25.63	13.90	16.63	34.72
48x114	14.79	43.05	49.47	27.23	14.79	10.63	36.68
48x120	15.69	43.05	52.47	28.82	15.69	4.63	38.64

Shaded sizes meet or exceed egress opening requirements per 2015 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44".

^a Floor to bottom of clear opening dimensions are based on 82" jamb height of a 6-10 door.

All units 84" and over R.O. height are based off 120" jamb height for floor to clear opening dimension

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		Width	Height				
54x42	4.59	49.05	13.47	9.37	4.59	44.63	14.86
54x48	5.61	49.05	16.47	11.22	5.61	38.63	17.07
54x54	6.63	49.05	19.47	13.06	6.63	32.63	19.28
54x60	7.66	49.05	22.47	14.90	7.66	26.63	21.49
54x66	8.68	49.05	25.47	16.75	8.68	20.63	23.69
54x72	9.70	49.05	28.47	18.59	9.70	14.63	25.90
54x78	10.72	49.05	31.47	20.43	10.72	8.63	28.11
54x84	11.74	49.05	34.47	22.28	11.74	40.63	30.32
54x90	12.77	49.05	37.47	24.12	12.77	34.63	32.53
54x96	13.79	49.05	40.47	25.97	13.79	28.63	34.74
54x102	14.81	49.05	43.47	27.81	14.81	22.63	36.94
54x108	15.83	49.05	46.47	29.65	15.83	16.63	39.15
54x114	16.85	49.05	49.47	31.50	16.85	10.63	41.36
54x120	17.88	49.05	52.47	33.34	17.88	4.63	43.57
60x42	5.15	55.05	13.47	10.64	5.15	44.63	16.54
60x48	6.30	55.05	16.47	12.74	6.30	38.63	19.00
60x54	7.45	55.05	19.47	14.83	7.45	32.63	21.46
60x60	8.59	55.05	22.47	16.92	8.59	26.63	23.92
60x66	9.74	55.05	25.47	19.02	9.74	20.63	26.38
60x72	10.89	55.05	28.47	21.11	10.89	14.63	28.83
60x78	12.03	55.05	31.47	23.21	12.03	8.63	31.29
60x84	13.18	55.05	34.47	25.30	13.18	40.63	33.75
60x90	14.33	55.05	37.47	27.39	14.33	34.63	36.21
60x96	15.47	55.05	40.47	29.49	15.47	28.63	38.67
60x102	16.62	55.05	43.47	31.58	16.62	22.63	41.13
60x108	17.77	55.05	46.47	33.67	17.77	16.63	43.58
60x114	18.91	55.05	49.47	35.77	18.91	10.63	46.04
60x120	20.06	55.05	52.47	37.86	20.06	4.63	48.50

Shaded sizes meet or exceed egress opening requirements per 2015 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44".

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