

ZHLL.R26078 - Products for Use in Windstorm-rated Assemblies

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See General Information for Products for Use in Windstorm-rated Assemblies

THE AIROLITE CO L L C

PO BOX 410

525 WESTERN RD

SCHOFIELD, WI 54476 USA

R26078

Product	Assembly No.	Test Method	Ratings
K6744X (Exterior)	<u>14</u>	ASTM E330, ASTM E1996 (Large missile), TAS 201, TAS 202, TAS 203	Vary with max width (see table below)
AFG501	<u>25</u> <u>66</u> <u>67</u>	ICC 500 (2014), FEMA Guideline P-361 (2015), FEMA Guideline P-320 (2014)	Design Pressure - +/-250 psf Static Test Pressure - +/-300 psf 15-lb lumber 2x4 missile impact, at 100-mph

Single-panel Widths

The following load ratings apply to single width louver panels, ≤144 in. high.

Max Width, in.	Load Rating, psf +	Max Width, in.	Load Rating, psf +	Max Width, in.	Load Rating, psf +
24	200	60	98	96	61
36	152	72	82	108	54
48	86	84	70	120	49

Note - Single panel louvers within the size ranges covered above can be field installed to unlimited stack heights.

Multiple-panel (Mulled) Widths

The following load ratings apply to louver assemblies made from individual panels mulled together with or without mullion reinforcement:

Max Height, in.	Max Individual Panel Width, in.	Mullion Reinforcement			
		None	2 in. (a)	4 in. (b)	6 in. (c)

Load Rating, psf +

48	24	200	200	200	200
	36	152	152	152	152
	48	86	86	86	86
	60	98	98	98	98
	72	82	82	82	82
	84	70	70	70	70
	96	61	61	61	61
	108	54	54	54	54
	120	49	49	49	49
60	24	177	200	200	200
	36	118	139	152	152
	48	86	86	86	86
	60	71	84	98	98
	72	59	70	82	82
	84	51	60	70	70
	96	44	52	61	61
	108	39	46	54	54
	120	35	42	49	49
72	24	123	145	200	200
	36	82	97	152	152
	48	61	73	86	86
	60	49	58	98	98
	72	41	48	82	82
	84	35	42	70	70
	96	31	36	61	61
	108	27	32	54	54
	120	25	29	49	49
84	24	90	107	200	200
	36	60	71	136	143
	48	45	53	86	86

	60	36	43	82	86
	72	30	36	68	71
	84	26	30	58	61
	96	23	27	51	54
	108	20	24	45	48
	120	18	21	41	43
96	24	69	82	156	188
	36	46	54	104	125
	48	35	41	78	86
	60	28	33	63	75
	72	23	27	52	63
	84	20	23	45	54
	96	17	20	39	47
	108	15	18	35	42
	120	14	16	31	38
108	24	55	65	123	167
	36	36	43	82	111
	48	27	32	62	83
	60	22	26	49	67
	72	18	22	41	56
	84	16	18	35	48
	96	14	16	31	42
	108	12	14	27	37
	120	11	13	25	33
120	24	44	52	100	150
	36	30	35	67	100
	48	22	26	50	75
	60	18	21	40	60
	72	15	17	33	50
	84	13	15	29	43
	96	11	13	25	38

	108	10	12	22	33
	120	9	10	20	30
132	24	37	43	83	136
	36	24	29	55	91
	48	18	22	41	68
	60	15	17	33	55
	72	12	14	28	45
	84	10	12	24	39
	96	9	11	21	34
	108	8	10	18	30
	120	7	9	17	27
144	24	31	36	69	125
	36	20	24	46	83
	48	15	18	35	63
	60	12	15	28	50
	72	10	12	23	42
	84	9	10	20	36
	96	8	9	17	31
	108	7	8	15	28
	120	6	7	14	25

Product	Assembly No.	Test Method	Ratings
K6746X (Exterior)	<u>14</u>	ASTM E330, ASTM E1996 (Large missile), TAS 201, TAS 202, TAS 203	Vary with max width (see table below)

Single-panel Widths

The following load ratings apply to single width louver panels, ≤144 in. high.

Max Width, in.	Load Rating, psf +	Max Width, in.	Load Rating, psf +	Max Width, in.	Load Rating, psf +
24	200	60	98	96	61
36	152	72	82	108	54

48	86	84	70	120	49
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Note - Single panel louvers within the size ranges covered above can be field installed to unlimited stack heights.

Multiple-panel (Mulled) Widths

The following load ratings apply to louver assemblies made from individual panels mulled together with or without mullion reinforcement:

Max Height, in.	Max Individual Panel Width, in.	Mullion Reinforcement			
		None	2 in. (a)	4 in. (b)	6 in. (c)
		Load Rating, psf +			
66	24	200	200	200	200
	36	152	152	152	152
	48	86	86	86	86
	60	98	98	98	98
	72	82	82	82	82
	84	70	70	70	70
	96	61	61	61	61
	108	54	54	54	54
	120	49	49	49	49
72	24	200	200	200	200
	36	144	152	152	152
	48	86	86	86	86
	60	86	92	98	98
	72	72	77	82	82
	84	62	66	70	70
	96	54	58	61	61
	108	48	51	54	54
	120	43	46	49	49
84	24	159	170	200	200
	36	106	113	143	143
	48	79	85	86	86
	60	63	68	86	86
	72	53	57	71	71

	84	45	49	61	61
	96	40	42	54	54
	108	35	38	48	48
	120	32	34	43	43
96	24	122	130	181	188
	36	81	87	121	125
	48	61	65	86	86
	60	49	52	72	75
	72	41	43	60	63
	84	35	37	52	54
	96	30	33	45	47
	108	27	29	40	42
	120	24	26	36	38
108	24	96	103	143	167
	36	64	69	95	111
	48	48	51	71	83
	60	38	41	57	67
	72	32	34	48	56
	84	27	29	41	48
	96	24	26	36	42
	108	21	23	32	37
	120	19	21	29	33
120	24	78	83	116	150
	36	52	55	77	100
	48	39	42	58	75
	60	31	33	46	60
	72	26	28	39	50
	84	22	24	33	43
	96	19	21	29	38
	108	17	18	26	33
	120	16	17	23	30

132	24	64	69	96	136
	36	43	46	64	91
	48	32	34	48	68
	60	26	28	38	55
	72	21	23	32	45
	84	18	20	27	39
	96	16	17	24	34
	108	14	15	21	30
	120	13	14	19	27
144	24	54	58	80	125
	36	36	39	54	83
	48	27	29	40	63
	60	22	23	32	50
	72	18	19	27	42
	84	15	17	23	36
	96	14	14	20	31
	108	12	13	18	28
	120	11	12	16	25

Product	Assembly No.	Test Method	Ratings
SCH501X (Exterior)	<u>14</u>	ASTM E330, ASTM E1996 (Large missile), TAS 201, TAS 202, TAS 203	Vary with max width (see table below)

Single-panel Widths

The following load ratings apply to single width louver panels, ≤144 in. high.

Max Width, in.	Load Rating, psf +	Max Width, in.	Load Rating, psf +	Max Width, in.	Load Rating, psf +
24	200	60	98	96	61
36	163	72	82	108	54
48	122	84	70	120	49

Note - Single panel louvers within the size ranges covered above can be field installed to unlimited stack heights.

Multiple-panel (Mulled) Widths

The following load ratings apply to louver assemblies made from individual panels mulled together with or without mullion reinforcement:

Max Height, in.	Max Individual Panel Width, in.	Mullion Reinforcement			
		None	2 in. (a)	4 in. (b)	6 in. (c)
		Load Rating, psf +			
48	24	200	200	200	200
	36	163	163	163	163
	48	122	122	122	122
	60	98	98	98	98
	72	82	82	82	82
	84	70	70	70	70
	96	61	61	61	61
	108	54	54	54	54
	120	49	49	49	49
60	24	172	200	200	200
	36	115	137	163	163
	48	86	103	122	122
	60	69	82	98	98
	72	57	69	82	82
	84	49	59	70	70
	96	43	51	61	61
	108	38	46	54	54
	120	34	41	49	49
72	24	119	143	200	200
	36	80	95	163	163
	48	60	71	122	122
	60	48	57	98	98
	72	40	48	82	82
	84	34	41	70	70
	96	30	36	61	61
	108	27	32	54	54

	120	24	29	49	49
84	24	88	105	200	200
	36	59	70	138	143
	48	44	52	104	107
	60	35	42	83	86
	72	29	35	69	71
	84	25	30	59	61
	96	22	26	52	54
	108	20	23	46	48
	120	18	21	41	43
96	24	67	80	159	188
	36	45	54	106	125
	48	34	40	79	94
	60	27	32	63	75
	72	22	27	53	63
	84	19	23	45	54
	96	17	20	40	47
	108	15	18	35	42
	120	13	16	32	38
108	24	53	63	125	167
	36	35	42	84	111
	48	27	32	63	83
	60	21	25	50	67
	72	18	21	42	56
	84	15	18	36	48
	96	13	16	31	42
	108	12	14	28	37
	120	11	13	25	33
120	24	43	51	101	150
	36	29	34	68	100
	48	22	26	51	75

	60	17	21	41	60
	72	14	17	34	50
	84	12	15	29	43
	96	11	13	25	38
	108	10	11	23	33
	120	9	10	20	30
132	24	36	42	84	136
	36	24	28	56	91
	48	18	21	42	68
	60	14	17	34	55
	72	12	14	28	45
	84	10	12	24	39
	96	9	11	21	34
	108	8	9	19	30
	120	7	8	17	27
144	24	30	36	70	125
	36	20	24	47	83
	48	15	18	35	63
	60	12	14	28	50
	72	10	12	23	42
	84	9	10	20	36
	96	7	9	18	31
	108	7	8	16	28
	120	6	7	14	25

Product	Assembly No.	Test Method	Ratings
T9106X (Exterior)	<u>14</u>	ASTM E330, ASTM E1996 (Large missile), TAS 201, TAS 202, TAS 203	Vary with max width (see table below)

Single-panel Widths

The following load ratings apply to single width louver panels, ≤96 in. high.

Max Width, in.	Load Rating, psf +	Max Width, in.	Load Rating, psf +	Max Width, in.	Load Rating, psf +
18	200	42	140	—	—
24	200	48	122	—	—
30	196	54	109	—	—
36	163	60	98	—	—

Note - Single panel louvers within the size ranges covered above can be field installed to unlimited stack heights.

Multiple-panel (Mulled) Widths

The following load ratings apply to louver assemblies made from individual panels mulled together with or without mullion reinforcement:

Max Height, in.	Max Individual Panel Width, in.	Mullion Reinforcement			
		None	2 in. (a)	4 in. (b)	6 in. (c)
		Load Rating, psf +			
24	18	200	200	200	200
	24	200	200	200	200
	30	196	196	196	196
	36	163	163	163	163
	42	140	140	140	140
	48	122	122	122	122
	54	109	109	109	109
	60	98	98	98	98
30	18	200	200	200	200
	24	200	200	200	200
	30	196	196	196	196
	36	163	163	163	163
	42	140	140	140	140
	48	122	122	122	122
	54	109	109	109	109
	60	98	98	98	98
36	18	200	200	200	200
	24	200	200	200	200
	30	196	196	196	196

	36	163	163	163	163
	42	140	140	140	140
	48	122	122	122	122
	54	109	109	109	109
	60	98	98	98	98
42	18	200	200	200	200
	24	200	200	200	200
	30	196	196	196	196
	36	163	163	163	163
	42	140	140	140	140
	48	122	122	122	122
	54	109	109	109	109
	60	98	98	98	98
48	18	200	200	200	200
	24	200	200	200	200
	30	196	196	196	196
	36	163	163	163	163
	42	140	140	140	140
	48	122	122	122	122
	54	109	109	109	109
	60	98	98	98	98
54	18	200	200	200	200
	24	200	200	200	200
	30	196	196	196	196
	36	163	163	163	163
	42	140	140	140	140
	48	122	122	122	122
	54	109	109	109	109
	60	98	98	98	98
60	18	200	200	200	200
	24	200	200	200	200

	30	196	196	196	196
	36	163	163	163	163
	42	140	140	140	140
	48	122	122	122	122
	54	109	109	109	109
	60	98	98	98	98
66	18	200	200	200	200
	24	200	200	200	200
	30	191	196	196	196
	36	159	163	163	163
	42	136	140	140	140
	48	119	122	122	122
	54	106	109	109	109
	60	95	98	98	98
72	18	200	200	200	200
	24	200	200	200	200
	30	160	173	196	196
	36	134	144	163	163
	42	115	124	140	140
	48	100	108	122	122
	54	89	96	109	109
	60	80	87	98	98
78	18	200	200	200	200
	24	171	184	200	200
	30	137	148	185	185
	36	114	123	154	154
	42	98	105	132	132
	48	85	92	115	115
	54	76	82	103	103
	60	68	74	92	92
84	18	196	200	200	200

	24	147	159	200	200
	30	118	127	171	171
	36	98	106	143	143
	42	84	91	122	122
	48	74	80	107	107
	54	65	71	95	95
	60	59	64	86	86
90	18	171	185	200	200
	24	128	139	199	200
	30	103	111	159	160
	36	86	92	133	133
	42	73	79	114	114
	48	64	69	100	100
	54	57	62	89	89
	60	51	55	80	80
96	18	150	162	200	200
	24	113	122	175	188
	30	90	97	140	150
	36	75	81	117	125
	42	64	70	100	107
	48	56	61	88	94
	54	50	54	78	83
	60	45	49	70	75

Product	Assembly No.	Test Method	Ratings
SCV602X (Exterior)	<u>14</u>	ASTM E330, ASTM E1996 (Large missile), TAS 201, TAS 202, TAS 203	Vary with max width (see table below)

Single-panel Widths

The following load ratings apply to single panel louvers or louver assemblies made from individual panels mulled together:

Max Height, in.	Max Individual Panel Width, in.	Load Rating, psf +
42	60	200
48	54	200
	60	188
60	48	200
	54	186
	60	150
72	42	200
	48	195
	54	155
	60	125
84	36	200
	42	191
	48	167
	54	133
	60	107
96	30	200
	36	195
	42	167
	48	146
	54	116
	60	94

+ - Pounds per square foot

(a) - 2 in. aluminum reinforcement

(b) - 4 in. aluminum reinforcement

(c) - 6 in. aluminum reinforcement

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