

STORMPROOF LOUVERS



Rev. 0

HIGH-PERFORMANCE LOUVERS FOR DEMANDING ENVIRONMENTS

MODELS **LA220**, **LA420**, **LA620** - Frame: Channel Frame, Duct-Mount

MODELS **LA225**, **LA425**, **LA625** - Frame: Flange Frame, Flange-Mount

The Airvector® LAx2 Series Stormproof Louvers combine sleek architectural design with robust protection against water penetration and harsh weather conditions. Engineered from extruded aluminum, the **LA22** (2" deep), **LA42** (4" deep), and **LA62** (6" deep) models offer optimal airflow performance while withstanding challenging environmental exposures.

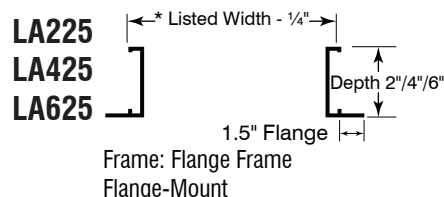
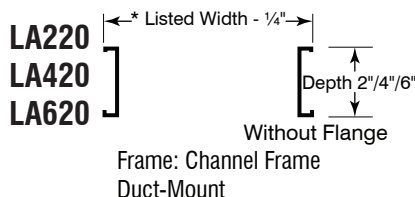
Designed to meet a wide range of commercial, industrial, and institutional applications, the LA Series is offer Water Penetration proof and Air Performance. Each model is tailored for specific spatial or performance needs:

LA22: Compact 2-inch deep profile, ideal for limited depth spaces or reduced louver height applications without compromising water resistance.

LA42: Versatile 4-inch deep model with enhanced free area – offering up to 30% more than conventional blade designs – suitable for a wide variety of installations including custom geometric shapes.

LA62: Heavy-duty 6-inch deep louver designed for maximum water protection and airflow across larger spans, perfect for high-exposure or large-scale building facades.

Whether mounted with a **channel frame (duct-mount)** or **flange frame (flange-mount)**, Airvector louvers provide a flexible and high-performing solution for air intake and exhaust with a clean, architectural finish.



All dimensions in inches

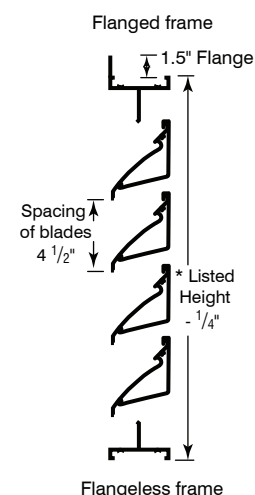
Page 1



LA22/LA42/LA62

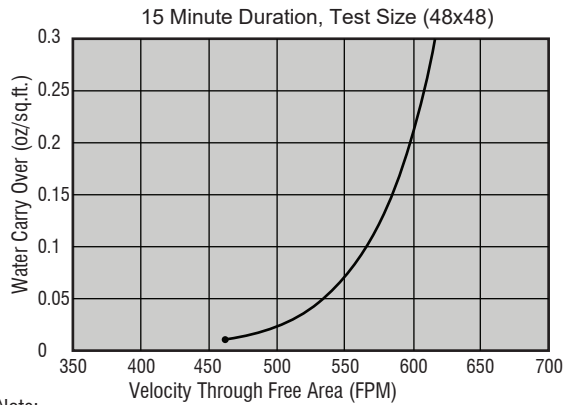
GENERAL FEATURES

- **Stormproof Blade Design:** Deflects water and airborne debris to maintain dry airflow.
- **Extruded Aluminum Construction:** Lightweight, corrosion-resistant and durable.
- **Depth Options:** Available in 2", 4", or 6" depths to suit space and performance constraints.
- **Mounting Flexibility:** Channel frame for duct mount or flange frame for wall/flange mount installations.
- **Architectural Compatibility:** Clean lines and customizable sizes to integrate into any façade.



LA22

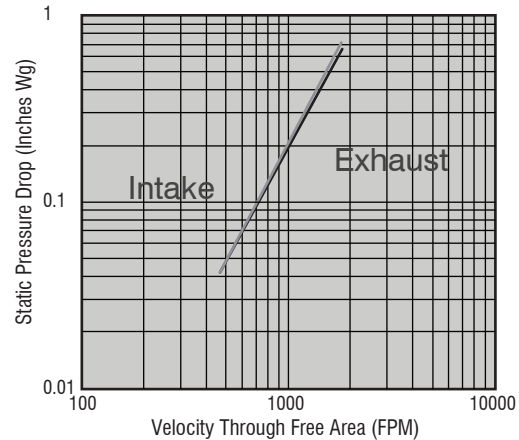
2" Stormproof Louver



Note:

Test Results do not include the effects of the birdscreen
Data corrected to standard air density @0.075 LBS/FT³

Pressure Drop - LA22



Free Area (Sq. Ft.)

		Width (Inches)															
		12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72
HEIGHT (INCHES)	8	0.13	0.18	0.22	0.27	0.32	0.37	0.42	0.46	0.51	0.56	0.61	0.66	0.70	0.75	0.80	0.85
	12	0.28	0.38	0.49	0.59	0.69	0.80	0.90	1.01	1.11	1.21	1.32	1.42	1.52	1.63	1.73	1.84
	16	0.42	0.58	0.73	0.89	1.05	1.20	1.36	1.52	1.67	1.83	1.99	2.14	2.30	2.46	2.61	2.77
	20	0.58	0.79	1.01	1.22	1.44	1.65	1.86	2.08	2.29	2.51	2.72	2.94	3.15	3.37	3.58	3.80
	24	0.73	1.00	1.27	1.54	1.81	2.08	2.35	2.62	2.89	3.16	3.43	3.70	3.97	4.24	4.51	4.78
	28	0.87	1.19	1.51	1.84	2.16	2.48	2.81	3.13	3.45	3.78	4.10	4.42	4.75	5.07	5.39	5.72
	32	1.02	1.41	1.79	2.17	2.55	2.93	3.31	3.69	4.07	4.46	4.84	5.22	5.60	5.98	6.36	6.74
	36	1.17	1.61	2.05	2.49	2.92	3.36	3.80	4.23	4.67	5.11	5.55	5.98	6.42	6.86	7.29	7.73
	40	1.32	1.81	2.30	2.79	3.28	3.77	4.26	4.75	5.24	5.72	6.21	6.70	7.19	7.68	8.17	8.66
	44	1.47	2.02	2.57	3.12	3.66	4.21	4.76	5.31	5.86	6.40	6.95	7.50	8.05	8.60	9.14	9.69
	48	1.62	2.23	2.83	3.43	4.04	4.64	5.25	5.85	6.45	7.01	7.66	8.26	8.87	9.47	10.08	10.68
	52	1.76	2.42	3.08	3.73	4.39	5.05	5.70	6.36	7.02	7.67	8.33	8.99	9.64	10.30	10.96	11.61
	56	1.92	2.64	3.35	4.06	4.78	5.49	6.21	6.92	7.64	8.35	9.07	9.78	10.50	11.21	11.93	12.64
	60	2.07	2.84	3.61	4.38	5.15	5.92	6.69	7.46	8.23	9.00	9.77	10.55	11.32	12.09	12.86	13.63
	64	2.21	3.04	3.86	4.68	5.50	6.33	7.15	7.97	8.80	9.62	10.44	11.27	12.09	12.91	13.74	14.56
	68	2.37	3.25	4.13	5.01	5.89	6.77	7.66	8.54	9.42	10.30	11.18	12.06	12.94	13.83	14.71	15.59
	72	2.52	3.46	4.39	5.33	6.27	7.20	8.14	9.08	10.02	10.95	11.89	12.83	13.76	14.70	15.64	16.57

Free Area (%)

		Width (Inches)															
		12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72
HEIGHT (INCHES)	8	19.3%	19.9%	20.2%	20.5%	20.6%	20.7%	20.8%	20.9%	21.0%	21.0%	21.1%	21.2%	21.3%	21.4%	21.5%	21.6%
	12	27.9%	28.7%	29.2%	29.5%	29.7%	29.9%	30.0%	30.2%	30.2%	30.3%	30.4%	30.4%	30.5%	30.5%	30.6%	30.6%
	16	31.5%	32.5%	33.0%	33.4%	33.6%	33.8%	34.0%	34.1%	34.2%	34.3%	34.4%	34.4%	34.5%	34.5%	34.6%	34.6%
	20	34.6%	35.6%	36.2%	36.6%	36.9%	37.1%	37.3%	37.4%	37.5%	37.6%	37.7%	37.8%	37.8%	37.9%	37.9%	38.0%
	24	36.3%	37.4%	38.0%	38.4%	38.8%	39.0%	39.2%	39.3%	39.4%	39.5%	39.6%	39.7%	39.7%	39.8%	39.8%	39.9%
	28	37.2%	38.3%	39.0%	39.4%	39.7%	39.9%	40.1%	40.3%	40.4%	40.5%	40.6%	40.6%	40.7%	40.7%	40.8%	40.8%
	32	38.4%	39.5%	40.2%	40.7%	41.0%	41.2%	41.4%	41.6%	41.7%	41.8%	41.9%	41.9%	42.0%	42.1%	42.1%	42.1%
	36	39.2%	40.3%	41.0%	41.4%	41.8%	42.0%	42.2%	42.3%	42.5%	42.6%	42.7%	42.7%	42.8%	42.9%	42.9%	42.9%
	40	39.5%	40.6%	41.3%	41.8%	42.1%	42.4%	42.6%	42.7%	42.8%	42.9%	43.0%	43.1%	43.2%	43.2%	43.3%	43.3%
	44	40.2%	41.3%	42.0%	42.5%	42.8%	43.1%	43.3%	43.4%	43.6%	43.7%	43.8%	43.8%	43.9%	44.0%	44.0%	44.1%
	48	40.6%	41.7%	42.5%	42.9%	43.3%	43.5%	43.7%	43.9%	44.0%	44.1%	44.2%	44.3%	44.3%	44.4%	44.4%	44.5%
	52	40.7%	41.9%	42.6%	43.1%	43.4%	43.7%	43.9%	44.0%	44.2%	44.3%	44.4%	44.4%	44.5%	44.6%	44.6%	44.7%
	56	41.2%	42.4%	43.1%	43.5%	43.9%	44.1%	44.3%	44.5%	44.6%	44.7%	44.8%	44.9%	45.0%	45.0%	45.1%	45.1%
	60	41.4%	42.6%	43.3%	43.8%	44.2%	44.4%	44.6%	44.8%	44.9%	45.0%	45.1%	45.2%	45.3%	45.3%	45.4%	45.4%
	64	41.5%	42.7%	43.4%	43.9%	44.2%	44.5%	44.7%	44.9%	45.0%	45.1%	45.2%	45.3%	45.3%	45.4%	45.5%	45.5%
	68	41.8%	43.0%	43.7%	44.2%	44.6%	44.8%	45.0%	45.2%	45.3%	45.4%	45.5%	45.6%	45.7%	45.7%	45.8%	45.8%
	72	42.0%	43.2%	43.9%	44.4%	44.8%	45.0%	45.2%	45.4%	45.5%	45.6%	45.7%	45.8%	45.9%	45.9%	46.0%	46.0%

Product Specification

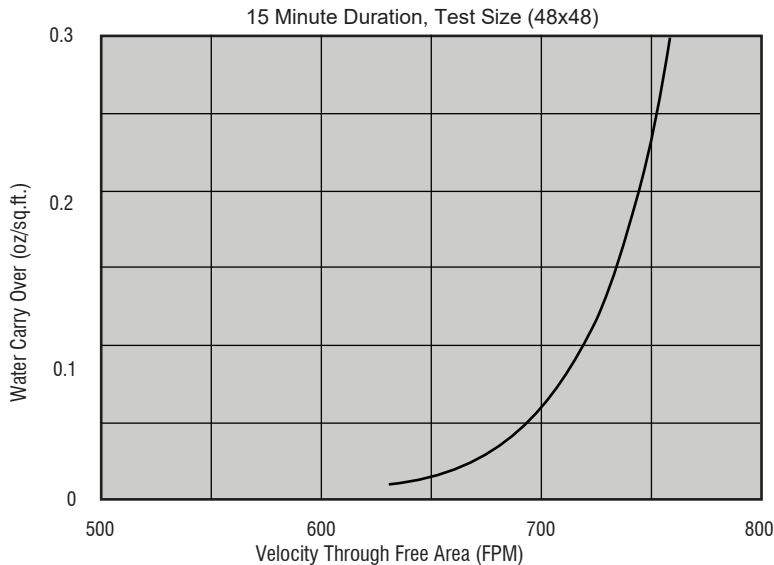
Stationary louvers of model LA62 as manufactured by Airvector are 6" (152 mm) deep. Louvers have 19 gauge galvanized 1/2" x 1/2" birdscreen as a default option. Blades are of 0.062" (2.06 mm) extruded 6063-T5 aluminum alloy and frame is of 0.062" (2.06 mm) extruded 6063-T5 aluminum alloy. All materials are factory finished before assembly with the option of powder coat in a colour selected from Airvector's finish chart, of custom exact-matched liquid paints or of other finishes as described in LA6 submittal sheet.

Performance Ratings

Airvector guarantees that the model LA62 shown here is providing a quality performance rating which is pending approval from a certification laboratory. The ratings shown are based on tests and procedures performed in accordance with the publications from such laboratories.

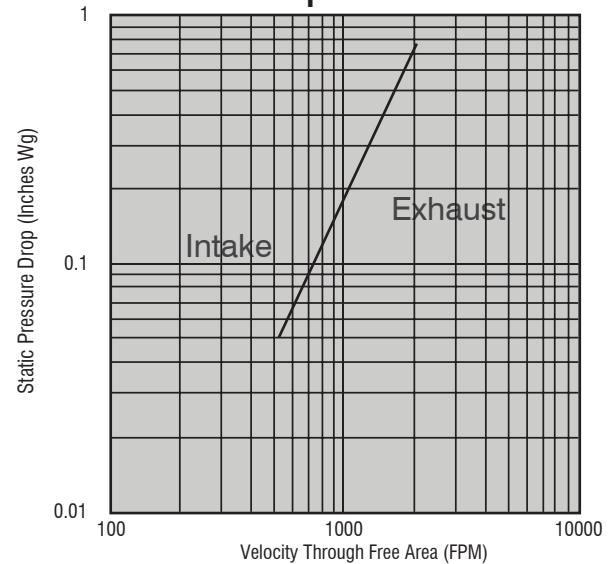
LA42

4" Stormproof Louver



Note:
Test Results do not include the effects of the birdscreen
Data corrected to standard air density @ 0.075 LBS/FT³

Pressure Drop - LA42



Free Area (Sq. Ft.)

	Width (Inches)															
	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72
12	0.24	0.33	0.43	0.52	0.61	0.70	0.79	0.89	0.98	1.07	1.16	1.26	1.35	1.44	1.53	1.62
16	0.41	0.56	0.72	0.87	1.03	1.18	1.34	1.50	1.65	1.81	1.96	2.12	2.27	2.43	2.58	2.74
20	0.58	0.79	1.01	1.23	1.45	1.67	1.89	2.11	2.33	2.55	2.77	2.99	3.21	3.42	3.64	3.86
24	0.81	1.12	1.42	1.73	2.04	2.35	2.66	2.97	3.27	3.58	3.89	4.20	4.51	4.81	5.12	5.43
28	0.95	1.31	1.67	2.04	2.40	2.76	3.12	3.48	3.85	4.21	4.57	4.93	5.29	5.66	6.02	6.38
32	1.09	1.51	1.92	2.34	2.75	3.17	3.59	4.00	4.42	4.83	5.25	5.66	6.08	6.50	6.91	7.33
36	1.26	1.74	2.22	2.70	3.18	3.66	4.14	4.62	5.10	5.58	6.06	6.54	7.02	7.50	7.98	8.46
40	1.34	1.85	2.36	2.87	3.38	3.88	4.39	4.90	5.41	5.92	6.43	6.94	7.45	7.96	8.47	8.98
44	1.67	2.30	2.94	3.57	4.20	4.84	5.47	6.11	6.74	7.38	8.01	8.65	9.28	9.92	10.55	11.19
48	1.92	2.65	3.38	4.11	4.84	5.57	6.30	7.03	7.76	8.49	9.22	9.95	10.68	11.41	12.14	12.87
52	1.97	2.72	3.47	4.22	4.97	5.73	6.48	7.23	7.98	8.73	9.48	10.23	10.98	11.73	12.48	13.23
56	2.13	2.95	3.76	4.57	5.39	6.20	7.01	7.83	8.64	9.45	10.26	11.08	11.89	12.70	13.52	14.33
60	2.36	3.26	4.16	5.06	5.96	6.86	7.76	8.66	9.56	10.46	11.36	12.26	13.16	14.06	14.96	15.86
64	2.60	3.60	4.59	5.58	6.57	7.56	8.56	9.55	10.54	11.53	12.53	13.52	14.51	15.50	16.49	17.49
68	2.66	3.68	4.69	5.70	6.72	7.73	8.74	9.76	10.77	11.79	12.80	13.81	14.83	15.84	16.86	17.87
72	2.81	3.87	4.94	6.01	7.08	8.15	9.22	10.29	11.35	12.42	13.49	14.56	15.63	16.70	17.77	18.83
76	3.01	4.16	5.31	6.46	7.61	8.76	9.90	11.05	12.20	13.35	14.50	15.64	16.79	17.94	19.09	20.24
80	3.22	4.44	5.66	6.89	8.11	9.34	10.56	11.79	13.01	14.24	15.46	16.69	17.91	19.14	20.36	21.59
84	3.35	4.63	5.91	7.19	8.47	9.74	11.02	12.30	13.58	14.86	16.14	17.41	18.69	19.97	21.25	22.53
88	3.52	4.86	6.21	7.55	8.89	10.23	11.57	12.92	14.26	15.60	16.94	18.28	19.63	20.97	22.31	23.65
92	3.66	5.06	6.46	7.85	9.25	10.64	12.04	13.43	14.83	16.22	17.62	19.02	20.41	21.81	23.20	24.6
96	3.84	5.31	6.77	8.23	9.70	11.16	12.62	14.09	15.55	17.02	18.48	19.94	21.41	22.87	24.33	25.8
100	4.07	5.62	7.18	8.73	10.28	11.83	13.38	14.93	16.49	18.04	19.59	21.14	22.69	24.24	25.80	27.35
104	4.12	5.69	7.26	8.83	10.40	11.97	13.54	15.11	16.68	18.25	19.82	21.39	22.96	24.52	26.09	27.66
108	4.25	5.87	7.49	9.12	10.74	12.36	13.98	15.60	17.22	18.84	20.46	22.08	23.70	25.32	26.94	28.56
112	4.38	6.05	7.72	9.39	11.05	12.72	14.39	16.06	17.73	19.40	21.07	22.73	24.40	26.07	27.74	29.41
116	4.54	6.27	8.00	9.73	11.45	13.18	14.91	16.64	18.37	20.10	21.83	23.56	25.29	27.01	28.74	30.47
120	4.71	6.50	8.29	10.09	11.88	13.68	15.47	17.26	19.06	20.85	22.64	24.44	26.23	28.02	29.82	31.61

Product Specification

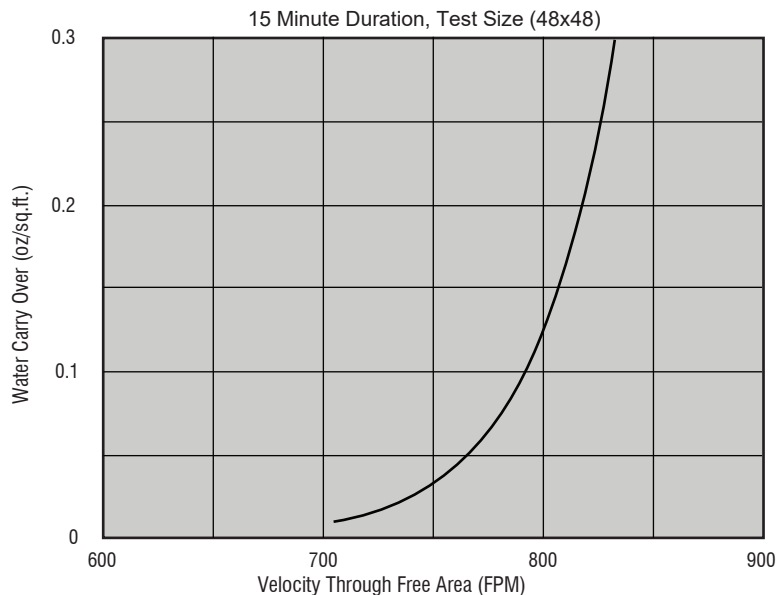
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Performance Ratings

Airvector guarantees that the model LA62 shown here is providing a quality performance rating which is pending approval from a certification laboratory. The ratings shown are based on tests and procedures performed in accordance with the publications from such laboratories.

LA62

6" Stormproof Louver

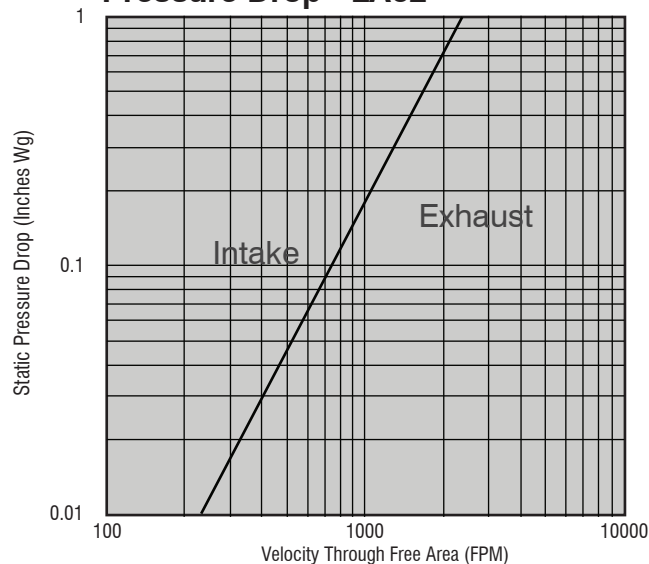


Note:

Test Results do not include the effects of the birdscreen

Data corrected to standard air density @ 0.075 LBS/FT³

Pressure Drop - LA62



Free Area (Sq. Ft.)

Width (Inches)

	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72
16	0.50	0.65	0.79	0.93	1.07	1.21	1.36	1.50	1.64	1.78	1.92	2.06	2.21	2.35	2.49
20	0.79	1.02	1.24	1.46	1.69	1.91	2.13	2.36	2.58	2.80	3.03	3.25	3.47	3.69	3.92
24	1.03	1.31	1.60	1.89	2.18	2.46	2.75	3.04	3.33	3.62	3.90	4.19	4.48	4.77	5.05
28	1.31	1.68	2.05	2.42	2.79	3.16	3.53	3.90	4.27	4.63	5.00	5.37	5.74	6.11	6.48
32	1.44	1.85	2.25	2.66	3.07	3.47	3.88	4.28	4.69	5.09	5.50	5.90	6.31	6.71	7.12
36	1.60	2.04	2.49	2.94	3.39	3.84	4.28	4.73	5.18	5.63	6.07	6.52	6.97	7.42	7.87
40	1.96	2.51	3.06	3.61	4.16	4.70	5.25	5.80	6.35	6.90	7.45	8.00	8.55	9.10	9.65
44	2.12	2.72	3.32	3.91	4.51	5.10	5.70	6.30	6.89	7.49	8.08	8.68	9.28	9.87	10.47
48	2.48	3.18	3.88	4.57	5.27	5.97	6.67	7.36	8.06	8.76	9.45	10.15	10.85	11.54	12.24
52	2.70	3.46	4.21	4.97	5.73	6.49	7.24	8.00	8.76	9.52	10.27	11.03	11.79	12.55	13.30
56	3.00	3.84	4.68	5.52	6.36	7.20	8.04	8.88	9.73	10.57	11.41	12.25	13.09	13.93	14.77
60	3.23	4.14	5.05	5.96	6.87	7.77	8.68	9.59	10.50	11.41	12.31	13.22	14.13	15.04	15.95
64	3.52	4.50	5.49	6.48	7.46	8.45	9.44	10.42	11.41	12.40	13.39	14.37	15.36	16.35	17.33
68	3.77	4.83	5.89	6.95	8.00	9.06	10.12	11.18	12.24	13.30	14.35	15.41	16.47	17.53	18.59
72	3.91	5.01	6.11	7.20	8.30	9.40	10.50	11.59	12.69	13.79	14.89	15.98	17.08	18.18	19.28
76	4.17	5.33	6.50	7.67	8.84	10.01	11.18	12.35	13.52	14.69	15.86	17.03	18.20	19.37	20.53
80	4.45	5.69	6.94	8.19	9.44	10.69	11.93	13.18	14.43	15.68	16.93	18.17	19.42	20.67	21.92
84	4.68	5.99	7.31	8.62	9.93	11.25	12.56	13.87	15.19	16.50	17.81	19.13	20.44	21.75	23.07
88	4.98	6.38	7.78	9.18	10.58	11.97	13.37	14.77	16.17	17.57	18.97	20.37	21.76	23.16	24.56
92	5.20	6.66	8.12	9.58	11.03	12.49	13.95	15.41	16.87	18.33	19.79	21.25	22.71	24.17	25.63
96	5.52	7.07	8.62	10.16	11.71	13.26	14.81	16.36	17.91	19.46	21.01	22.56	24.10	25.65	27.20
100	5.72	7.32	8.93	10.53	12.14	13.74	15.35	16.95	18.56	20.16	21.77	23.37	24.98	26.58	28.19
104	5.84	7.48	9.12	10.76	12.39	14.03	15.67	17.31	18.95	20.59	22.23	23.87	25.51	27.14	28.78
108	6.24	7.99	9.74	11.49	13.24	14.99	16.74	18.49	20.24	21.99	23.75	25.50	27.25	29.00	30.75
112	6.36	8.15	9.93	11.72	13.50	15.29	17.07	18.86	20.65	22.43	24.22	26.00	27.79	29.57	31.36
116	6.73	8.62	10.51	12.40	14.29	16.17	18.06	19.95	21.84	23.73	25.62	27.51	29.40	31.29	33.18
120	6.88	8.81	10.74	12.67	14.61	16.54	18.47	20.40	22.33	24.26	26.19	28.13	30.06	31.99	33.92

Product Specification

Stationary louvers of model LA62 as manufactured by Airvector are 6" (152 mm) deep. Louvers have 19 gauge galvanized 1/2" x 1/2" birdscreen as a default option. Blades are of 0.062" (2.06 mm) extruded 6063-T5 aluminum alloy and frame is of 0.062" (2.06 mm) extruded 6063-T5 aluminum alloy. All materials are factory finished before assembly with the option of powder coat in a colour selected from Airvector's finish chart, of custom exact-matched liquid paints or of other finishes as described in LA6 submittal sheet.

Performance Ratings

Airvector guarantees that the model LA62 shown here is providing a quality performance rating which is pending approval from a certification laboratory. The ratings shown are based on tests and procedures performed in accordance with the publications from such laboratories.