

# Extruded Aluminum Louver

**Model:** CB6LS1  
**Types:** Storm Resistant Louver



Kunpec Co. Ltd. Certifies that model CB6LS1 louver shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air performance ratings and wind driven rain ratings only.

## MATERIALS:

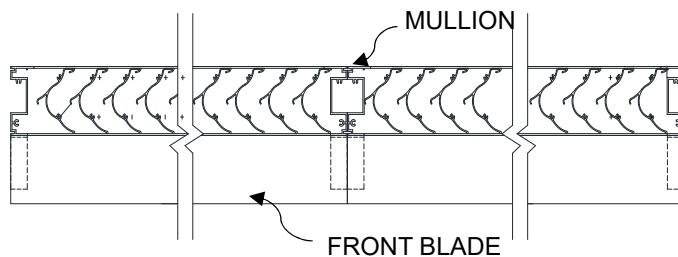
**Frame:** 0.081" (2.0mm) thick, 6063-T5 Extruded Aluminum Alloy  
**Blades:** 0.060" (1.5mm) thick, 6063-T5 Continuous Extruded Aluminum Alloy

## OPTIONS:

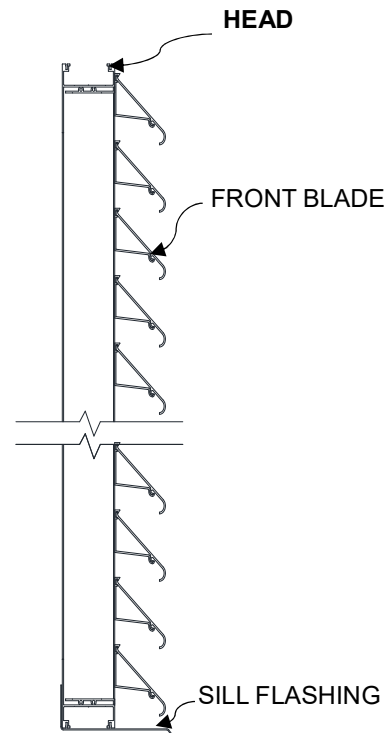
**Screen:** S/S Bird Screen or Insect Screen  
**Finishes:** Powder Coat or Kynar Coat

## LOUVER SIZES:

**Rear Module:** 60" (1.52m) Width x 96" (2.44m)  
**Front Blades:** 20' (6.0m) Max



**PLAN VIEW**



**SECTION VIEW**



康沛實業股份有限公司

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The Architectural Louver Model CB6LS1 is tested in accordance with AMCA 500-L Laboratory Methods of Testing Air Louvers for Rating. The data presented are the results of these tests. Wind Driven Rain Test per AMCA Standard 500-L-12, Fig. 11 Setup Performance. Tested size is 39.37" (1.00 m) core area.

Wind Velocity (mph)	Rain Fall Rate (in./hr)	Core Velocity		Airflow (cfm)	Effectiveness Ratio (%)	Rating Effectiveness
		(fpm)	(m/s)			
29	3	0	0	0	100	A
29	3	98	0.5	1062	100	A
29	3	197	1	2119	100	A
29	3	295	1.5	3179	100	A
29	3	394	2	4239	100	A
29	3	492	2.5	5299	100	A
29	3	591	3	6358	100	A
29	3	666	3.5	7169	100	A
29	3	782	4	8424	73.7	D

Wind Velocity (mph)	Rain Fall Rate (in./hr)	Core Velocity		Airflow (cfm)	Effectiveness Ratio (%)	Rating Effectiveness
		(fpm)	(m/s)			
50	8	0	0	0	100	A
50	8	98	0.5	1060	100	A
50	8	197	1	2119	100	A
50	8	295	1.5	3179	100	A
50	8	394	2	4239	100	A
50	8	492	2.5	5299	100	A
50	8	571	3	6153	100	A
50	8	692	3.5	7447	98.6	B
50	8	778	4	8373	78.3	D

Wind Driven Rain Penetration Classification	
Class	Effectiveness
A	1 to 0.99
B	0.989 To 0.95
C	0.949 To 0.80
D	Below 0.80

1. Core area is the front opening of a louver face (face area less louver frames).
2. Core area velocity is the airflow rate though the louver divided by the core area (39.37'x39.37").
3. Free area is the minimum area through with air can pass. Free area of test size is calculated per AMCA Standard 500-L.
4. Discharge loss coefficient is calculated by dividing a louver actual airflow rate vs. a theoretical airflow for the opening. Providing an indication of the louver air flow characteristics.

The discharge loss coefficient class of louver CB6LS1 is 3.

Class	1	2	3	4
Discharge Coefficient	0.4 and above	0.3 to 0.399	0.2 to 0.299	0.199 and below



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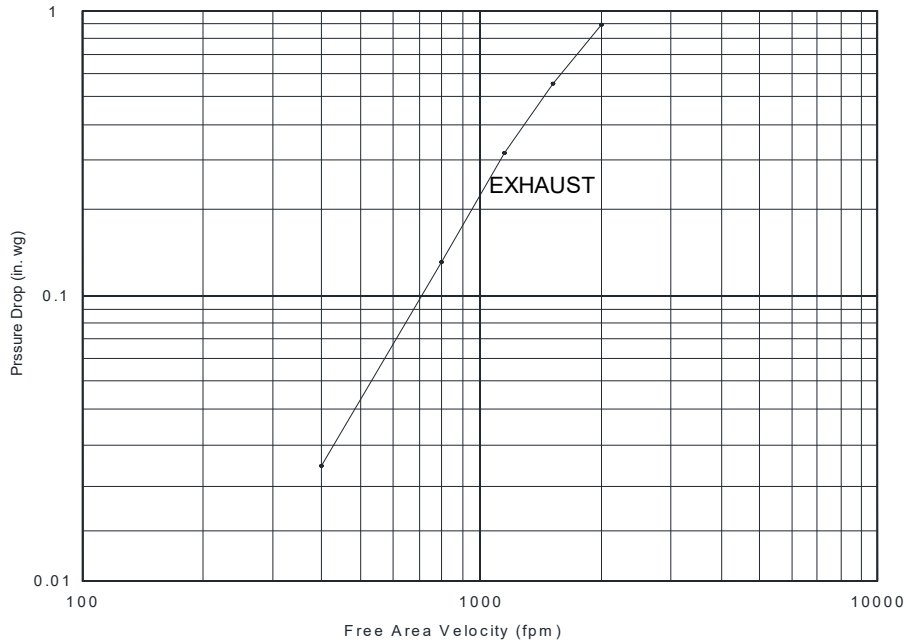
## Free Area Chart Model CB6LS1

Width in Inches and Meters

<b>Height in Inches</b> and Meters		<b>12</b>	<b>24</b>	<b>36</b>	<b>48</b>	<b>60</b>	<b>72</b>	<b>84</b>	<b>96</b>
		0.30	0.61	0.91	1.22	1.52	1.83	2.13	2.44
	<b>12</b>	<b>0.60</b>	<b>1.21</b>	<b>1.81</b>	<b>2.41</b>	<b>3.02</b>	<b>3.66</b>	<b>4.20</b>	<b>4.84</b>
	0.30	0.06	0.11	0.17	0.22	0.28	0.34	0.39	0.45
	<b>24</b>	<b>1.17</b>	<b>2.34</b>	<b>3.50</b>	<b>4.67</b>	<b>5.84</b>	<b>7.00</b>	<b>8.18</b>	<b>9.36</b>
	0.61	0.11	0.22	0.33	0.43	0.54	0.65	0.76	0.87
	<b>36</b>	<b>1.73</b>	<b>3.46</b>	<b>5.20</b>	<b>6.93</b>	<b>8.66</b>	<b>10.44</b>	<b>12.16</b>	<b>13.88</b>
0.91	0.16	0.32	0.48	0.64	0.80	0.97	1.13	1.29	
<b>48</b>	<b>2.30</b>	<b>4.59</b>	<b>6.89</b>	<b>9.19</b>	<b>11.48</b>	<b>13.78</b>	<b>16.04</b>	<b>18.41</b>	
1.22	0.21	0.43	0.64	0.85	1.07	1.28	1.49	1.71	
<b>60</b>	<b>2.86</b>	<b>5.72</b>	<b>8.58</b>	<b>11.44</b>	<b>14.30</b>	<b>17.11</b>	<b>20.02</b>	<b>22.93</b>	
1.52	0.27	0.53	0.80	1.06	1.33	1.59	1.86	2.13	

## Airflow Resistance

(Data corrected to standard air density - Tested to AMCA Fig. 5.5)  
(Test Unit Size – 48"x48")



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