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# JAESUNG ALUMINUM CURTAIN WALL & LOUVER



JEASUNG ALUMINUM.CO.LTD.



# Leading the Era of Technology and Quality, JAESUNG Aluminum CO., Ltd.



Established in 1992 as Jaesung Aluminum LLC, Jaesung Aluminum Co., Ltd. becomes an expert of aluminum window system, growing continuously for 20 years.



Based on the accumulated aluminum window design and construction technology, we continuously grow with manufacturing and construction for various types of windows such as curtain wall of building, window of condensation preventing system, louver of nuclear power plant, and etc.



We promise to provide satisfaction and trust with high-technology and high-quality manufacturing and construction

CEO SEUNG-GOO, BAEG

## -Company History -

- 1992.06 Established JAESUNG Aluminum Ltd. By representative
- 2000.09 Changed organization as JAESUNG Aluminum Co., Ltd.  
(capital 1.1 million won)
- 2000.12 Changed trade name as JAESUNG Aluminum Co., Ltd.
- 2004.12 Increased capital to 2 million won.
- 2008.03 Moved location of main office to #913, 1144-5 Guwol-dong, Namdong-gu, Incheon City.
- 2012.09 Moved location of main office to 45-43 No.225gil Gyeondalsan-ro Ilsandong-gu, Goyang City, Gyeonggi province.
- 2015.11 AMCA Membership.

## **- I N D E X -**

<b>1</b>	<b>JSA-A-100 Series</b>	<b>4</b>
<b>2</b>	<b>JSA-A'-100 Series</b>	<b>9</b>
<b>3</b>	<b>JSA-C-100 Series</b>	<b>14</b>
<b>4</b>	<b>JSA-D-100 Series</b>	<b>20</b>
<b>5</b>	<b>JSA-E-100 Series</b>	<b>25</b>
<b>6</b>	<b>JSA-F-100 Series</b>	<b>30</b>

## - DELIVERY PERFORMANCE -



Gyeong-In National University  
of Education #2 Campus

Construction company  
Hyundai Engineering & Construction



Dorasan Station

Construction company  
Hyundai Development



Geumgang Mt. Myeonhoeso

Construction company  
Hyundai Engineering & Construction



Cheon-An Museum

Construction company  
Hyundai Engineering & Construction



Chang-Won FC

Construction company  
Hyundai Engineering & Construction

## - DELIVERY PERFORMANCE -



KT Gwa-Cheon Smart Tower

Construction company  
Dong-bu Construction



Dongbu hwajae Data Center

Construction company  
Dong-bu Construction



Incheon Children Science  
Museum

Construction company  
Dong-bu Construction



Seoul Womens University

Construction company  
Hyundai Engineering & Construction



Hwaseong Sports Complex

Construction company  
Hyundai Engineering & Construction

## - DELIVERY PERFORMANCE -



VHS Medical Center

Construction company  
Hyundai Engineering & Construction



Goyang Sports Complex

Construction company  
Hyundai Engineering & Construction



Ahn LAB & Solid

Construction company  
Hyundai Engineering & Construction



Seoul Womens University

Construction company  
Hyundai Engineering & Construction



SHIN-KORI NUCLEAR POWER  
PLANT UNIT NO. 3,4

Construction company  
Hyundai Engineering & Construction  
SK Construction  
Doosan Heavy Industries & Construction

## Stationary and Adjustable Louvers

## JSA-A-100s



Jaesung Aluminum Co., Ltd certifies that Model JSA-A-100s Louver shown herein is licensed to bear the AMCA Seal for Model JSA-A-100s. 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 and Water Penetration Ratings.

### Test Information

Test for air performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test for water penetration in accordance with ANSI/AMCA Standard 500-L-07, Figure 5.6.

## Construction Standard

### **FRAME:**

Gauge 12(3.2mm thick) formed extruded aluminum profiles.(A6063-T5)

### **BLADES:**

Gauge 15(2.0mm thick) formed extruded aluminum profiles.(A6063-T5)

### **SCREEN:**

Stainless steel bird screen 1/2"~3/4"(12~19) fixed in front or behind the blades.

Please note that Pressure Drop Data is obtained from Test without bird screen.

Pressure drop of bird screen is additive and to be calculated separately.

### **MINIMUM SIZE:**

300 X 300mm(12in X 12in) - Neck Size

### **MAXIMUM SIZE:**

2100 X 2900mm as single section(Neck Size)

2 section more module consult JAS for multiple section assembly details.

Catalog ID : JSA-A-100 July 2016

## JSA-A-100s



### **Optional Extras**

#### **\*Code A**

Finished to Anodizing.

#### **\*Code P**

Painted to PVDF.

#### **\*Code I**

Insect screen in aluminum.

#### **\*Code B**

Bird screen in stainless steel.

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### Test Information

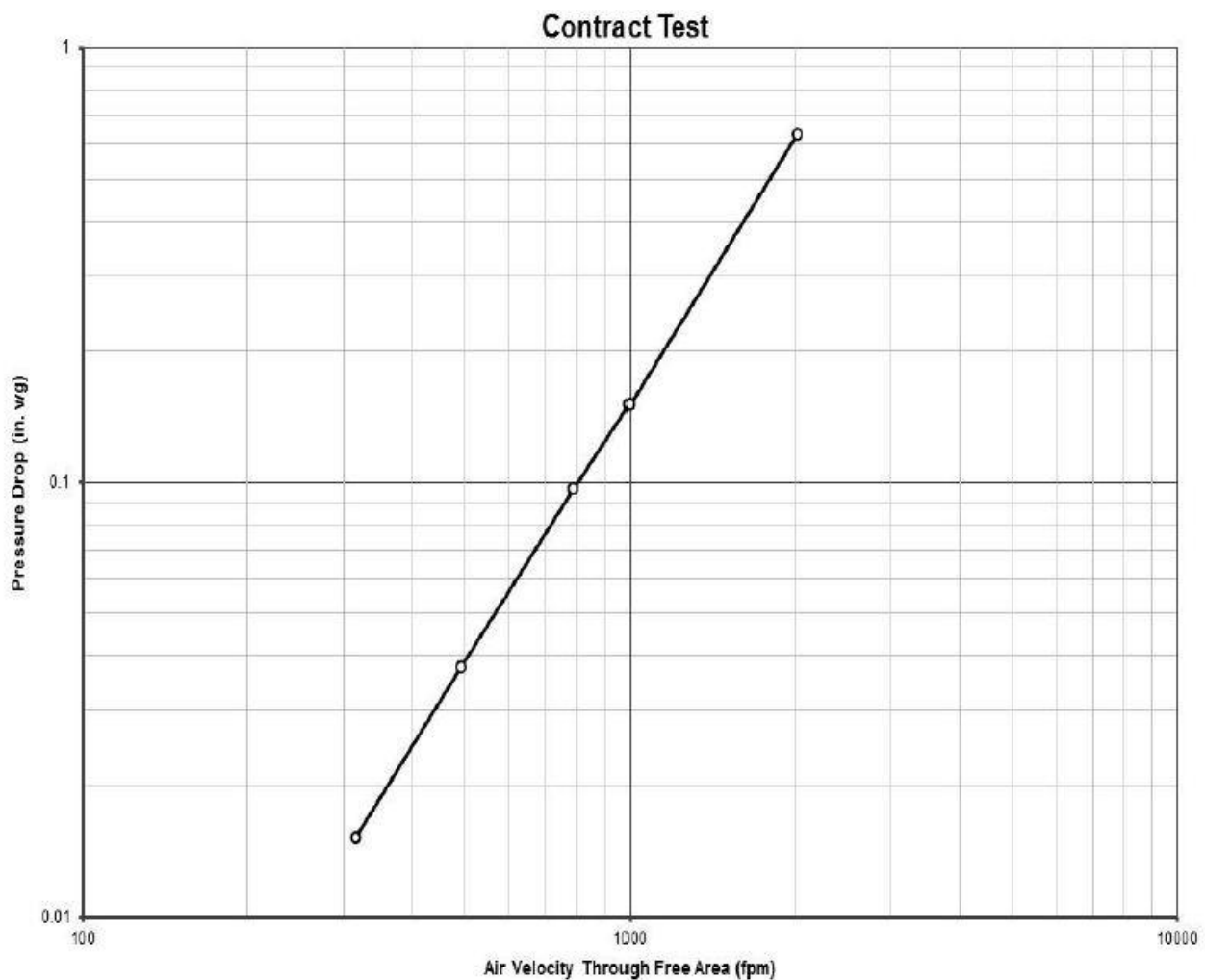
Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1). Data at standard air density.

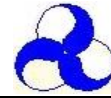
## Air Performance

### Pressure Drop

#### Intake Air Performance



Catalog ID : JSA-A-100 July 2016



## Stationary and Adjustable Louvers

## JSA-A-100s



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### Test Information

Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1)

## Air Performance

### Free Area Chart(Sq.Ft.)

H" \ W"	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114
12	4.3% 0.043	7.6% 0.113	9.2% 0.184	10.2% 0.255	10.9% 0.326	11.3% 0.396	11.7% 0.467	12.0% 0.538	12.0% 0.599	12.2% 0.670	12.3% 0.741	12.5% 0.812	12.6% 0.882	12.7% 0.953	12.8% 1.024	12.9% 1.095	12.9% 1.165	13.0% 1.236
18	8.4% 0.125	14.6% 0.334	18.1% 0.542	20.0% 0.750	21.3% 0.959	22.2% 1.167	22.9% 1.375	23.5% 1.584	23.5% 1.765	23.9% 1.973	24.2% 2.181	24.5% 2.390	24.7% 2.598	24.9% 2.806	25.1% 3.015	25.3% 3.223	25.4% 3.431	25.5% 3.640
24	10.4% 0.209	18.5% 0.555	22.5% 0.901	24.9% 1.247	26.6% 1.594	27.7% 1.940	28.6% 2.286	29.2% 2.632	29.3% 2.933	29.8% 3.279	30.2% 3.626	30.6% 3.972	30.8% 4.318	31.1% 4.664	31.3% 5.011	31.5% 5.357	31.7% 5.703	31.8% 6.049
30	14.4% 0.359	25.5% 0.955	31.0% 1.552	34.4% 2.148	36.6% 2.744	38.2% 3.340	39.4% 3.937	40.3% 4.533	40.4% 5.051	41.1% 5.647	41.6% 6.243	42.1% 6.840	42.5% 7.436	42.8% 8.032	43.1% 8.628	43.4% 9.225	43.6% 9.821	43.9% 10.417
36	14.7% 0.442	26.1% 1.176	31.8% 1.909	35.2% 2.643	37.5% 3.377	39.1% 4.111	40.4% 4.844	41.3% 5.578	41.4% 6.216	42.1% 6.949	42.7% 7.683	43.2% 8.417	43.6% 9.151	43.9% 9.884	44.2% 10.618	44.5% 11.352	44.8% 12.086	45.0% 12.819
42	15.0% 0.525	26.6% 1.397	32.4% 2.268	35.9% 3.140	38.2% 4.012	39.9% 4.883	41.1% 5.755	42.1% 6.627	42.2% 7.384	42.9% 8.256	43.5% 9.127	44.0% 9.999	44.4% 10.871	44.7% 11.742	45.1% 12.614	45.3% 13.486	45.6% 14.357	45.8% 15.229
48	15.2% 0.608	27.0% 1.618	32.8% 2.627	36.4% 3.637	38.7% 4.646	40.4% 5.656	41.7% 6.666	42.6% 7.675	42.8% 8.552	43.5% 9.562	44.0% 10.571	44.5% 11.581	45.0% 12.591	45.3% 13.600	45.7% 14.610	45.9% 15.619	46.2% 16.629	46.4% 17.639
54	15.4% 0.691	27.2% 1.838	33.2% 2.985	36.7% 4.132	39.1% 5.279	40.8% 6.426	42.1% 7.573	43.1% 8.721	43.2% 9.717	43.9% 10.864	44.5% 12.011	45.0% 13.158	45.4% 14.305	45.8% 15.453	46.1% 16.600	46.4% 17.747	46.7% 18.894	46.9% 20.041
60	15.5% 0.774	27.5% 2.059	33.4% 3.344	37.0% 4.629	39.4% 5.914	41.1% 7.199	42.4% 8.484	43.4% 9.769	43.5% 10.885	44.3% 12.170	44.9% 13.455	45.4% 14.740	45.8% 16.025	46.2% 17.310	46.5% 18.595	46.8% 19.880	47.0% 21.165	47.3% 22.450
66	15.6% 0.857	27.6% 2.280	33.7% 3.703	37.3% 5.126	39.7% 6.549	41.4% 7.972	42.7% 9.395	43.7% 10.818	43.8% 12.054	44.6% 13.477	45.2% 14.900	45.7% 16.322	46.1% 17.745	46.5% 19.168	46.8% 20.591	47.1% 22.014	47.3% 23.437	47.6% 24.860
72	15.7% 0.940	27.8% 2.501	33.8% 4.062	37.5% 5.623	39.9% 7.184	41.6% 8.744	42.9% 10.305	43.9% 11.866	44.1% 13.222	44.8% 14.783	45.4% 16.344	45.9% 17.905	46.3% 19.465	46.7% 21.026	47.1% 22.587	47.3% 24.148	47.6% 25.709	47.8% 27.270
78	15.7% 1.023	27.9% 2.721	34.0% 4.420	37.6% 6.118	40.1% 7.816	41.8% 9.515	43.1% 11.213	44.1% 12.911	44.3% 14.387	45.0% 16.085	45.6% 17.783	46.1% 19.482	46.5% 21.180	46.9% 22.878	47.3% 24.577	47.6% 26.275	47.8% 27.973	48.1% 29.672
84	15.8% 1.104	28.0% 2.938	34.1% 4.771	37.7% 6.604	40.2% 8.438	41.9% 10.271	43.2% 12.104	44.2% 13.938	44.4% 15.530	45.1% 17.364	45.7% 19.197	46.2% 21.030	46.7% 22.864	47.0% 24.697	47.4% 26.530	47.7% 28.364	47.9% 30.197	48.2% 32.030

## Stationary and Adjustable Louvers

## JSA-A-100s



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The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration Ratings.

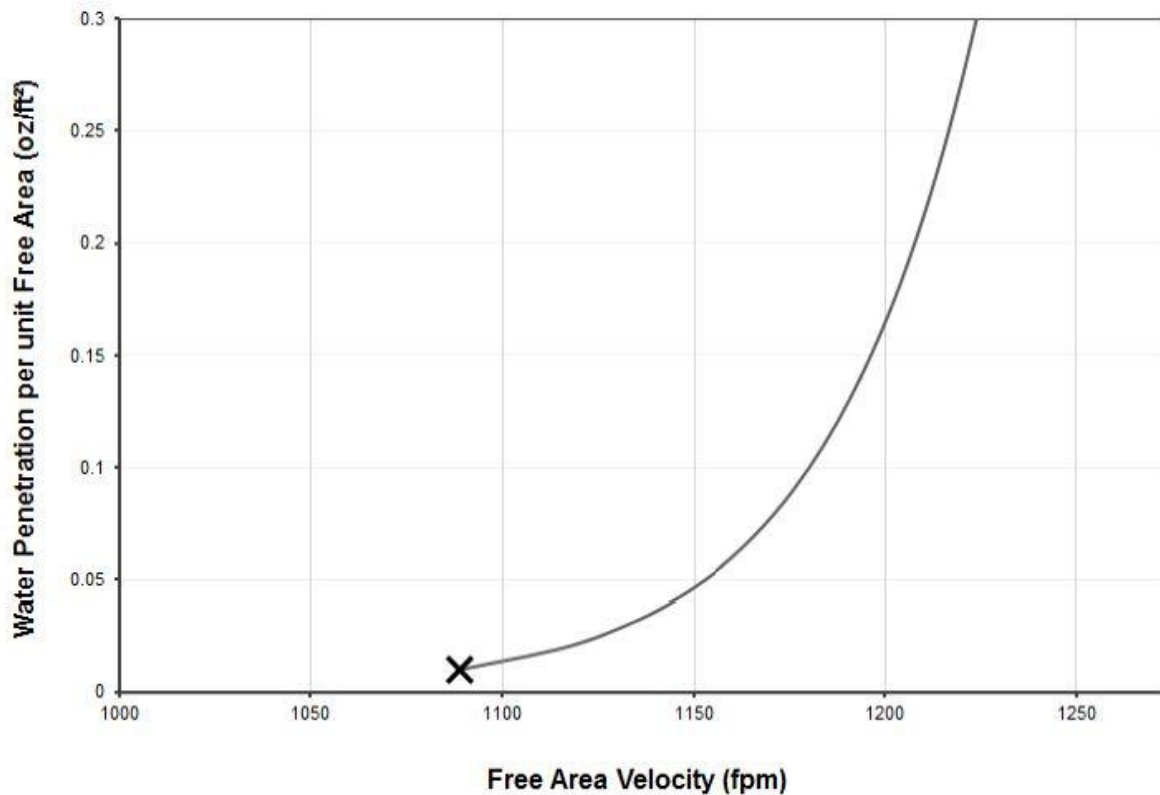
### Test Information

Test for water penetration in accordance with ANSI/AMCA Standard 500-L-07, Figure 5.6.

Test sample size is 48 in X 48 in.(W1 X H1). Test Period 15 minutes. Data at standard air density.

## Water Penetration

### JSA-A-100s



— Water Penetration per Free Area    x Beginning of Water Penetration

The beginning point of water penetration for Model JSA-A-100s is 1086 fpm free area velocity.

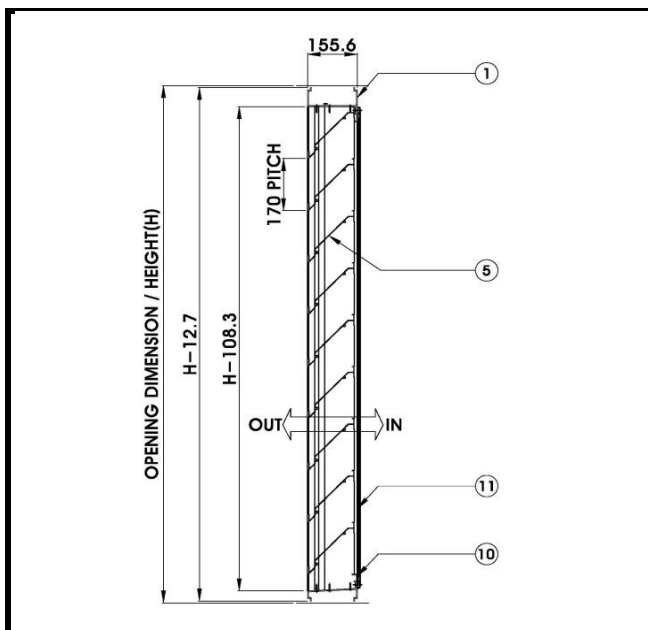
## Stationary and Adjustable Louvers

**JSA-A-100s**

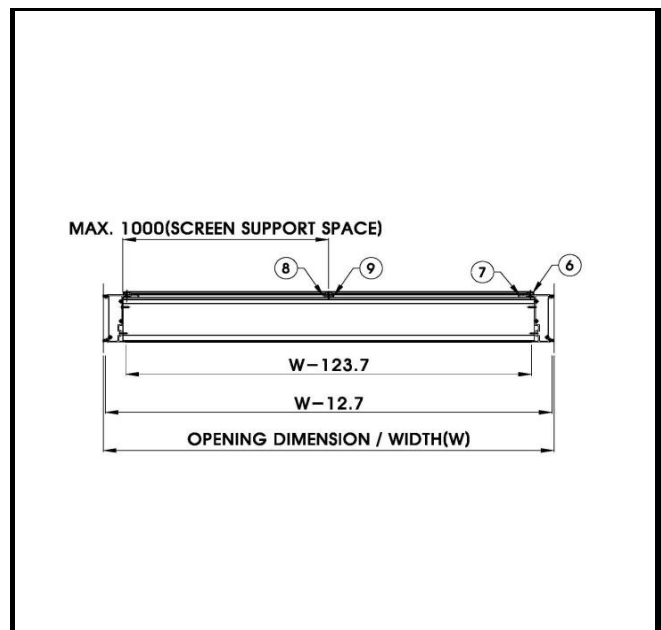
### Construction - Dimension and details

- |                 |                   |                       |
|-----------------|-------------------|-----------------------|
| 1. UPP-FRAME    | 5. FIXED BLAED    | 9. SCREEN SUPPORT BAR |
| 2. LOW-FRAME    | 6. SCREEN BAR     | 10. LOW-BAFFLE        |
| 3. SIDE FRAME   | 7. SIDE BAFFLE    | 11. BIRD SCREEN       |
| 4. SIDE FRAME-1 | 8. SCREEN SUPPORT |                       |

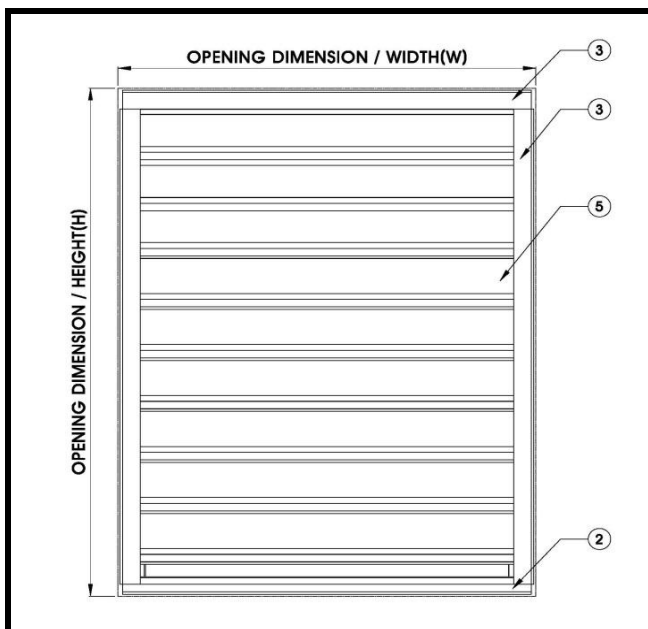
### Vertical Section



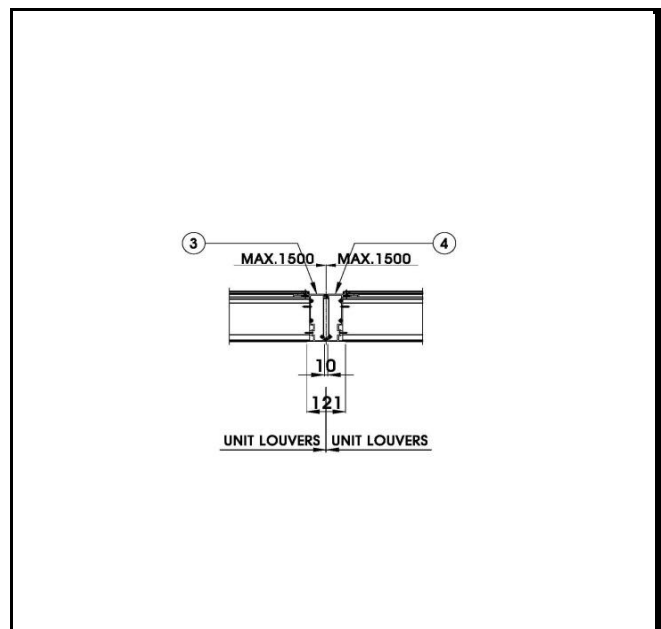
### Horizontal Section



### Louver Front View



### Mullion of Multiple Module



## Stationary and Adjustable Louvers

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### Test Information

Test for air performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test for water penetration in accordance with ANSI/AMCA Standard 500-L-07, Figure 5.6.

## Construction Standard

### **FRAME:**

Gauge 15(2.0mm thick) formed extruded aluminum profiles.(A6063-T5)

### **BLADES:**

Gauge 15(2.0mm thick) formed extruded aluminum profiles.(A6063-T5)

### **SCREEN:**

Stainless steel bird screen 1/2"~3/4"(12~19) fixed in front or behind the blades.

Please note that Pressure Drop Data is obtained from Test without bird screen.

Pressure drop of bird screen is additive and to be calculated separately.

### **MINIMUM SIZE:**

300 X 300mm(12in X 12in) - Neck Size

### **MAXIMUM SIZE:**

2100 X 2900mm as single section(Neck Size)

2 section more module consult JAS for multiple section assembly details.

Catalog ID : JSA-A'-100 July 2016

## JSA-A'-100s



### **Optional Extras**

#### **\*Code A**

Finished to Anodizing.

#### **\*Code P**

Painted to PVDF.

#### **\*Code I**

Insect screen in aluminum.

#### **\*Code B**

Bird screen in stainless steel.

## Stationary and Adjustable Louvers

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### Test Information

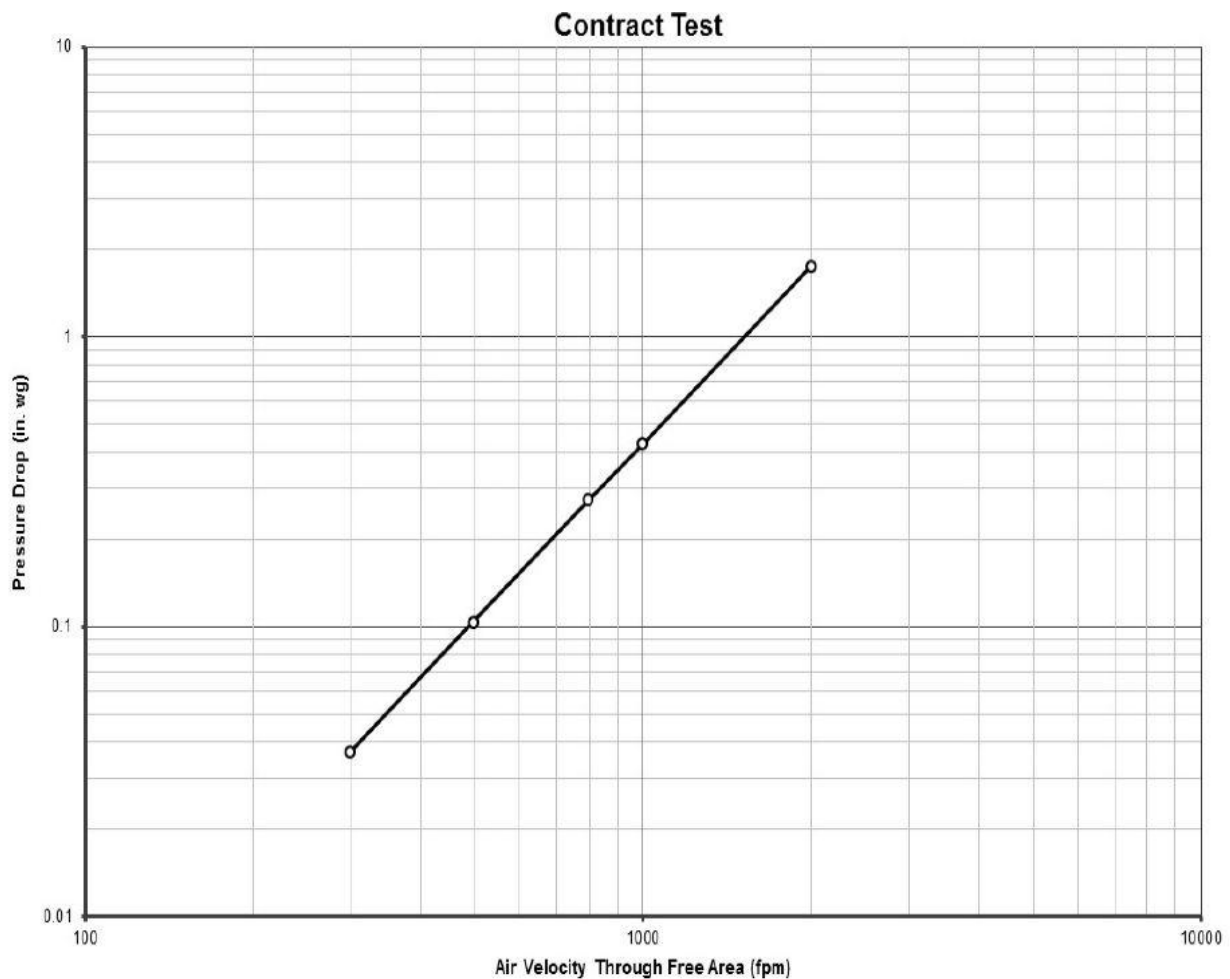
Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1). Data at standard air density.

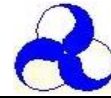
## Air Performance

### Pressure Drop

#### Intake Air Performance



Catalog ID : JSA-A'-100 July 2016



## Stationary and Adjustable Louvers

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### Test Information

Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1)

## Air Performance

### Free Area Chart(Sq.Ft.)

H" \ W"	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114
12	15.9% 0.159	20.0% 0.299	22.0% 0.440	23.2% 0.580	24.0% 0.720	24.6% 0.861	25.0% 1.001	25.4% 1.141	25.3% 1.263	25.5% 1.403	25.7% 1.544	25.9% 1.684	26.1% 1.824	26.2% 1.964	26.3% 2.105	26.4% 2.245	26.5% 2.385	26.6% 2.526
18	21.2% 0.318	26.6% 0.599	29.3% 0.879	30.9% 1.160	32.0% 1.440	32.8% 1.721	33.4% 2.002	33.8% 2.282	33.7% 2.526	34.0% 2.807	34.3% 3.087	34.5% 3.368	34.7% 3.648	34.9% 3.929	35.1% 4.209	35.2% 4.490	35.3% 4.771	35.4% 5.051
24	24.9% 0.498	31.3% 0.938	34.4% 1.378	36.3% 1.817	37.6% 2.257	38.5% 2.697	39.2% 3.136	39.7% 3.576	39.6% 3.958	40.0% 4.397	40.3% 4.837	40.6% 5.277	40.8% 5.716	41.0% 6.156	41.2% 6.596	41.4% 7.035	41.5% 7.475	41.7% 7.914
30	27.1% 0.677	34.0% 1.274	37.4% 1.871	39.5% 2.468	40.9% 3.065	41.9% 3.662	42.6% 4.259	43.2% 4.856	43.0% 5.375	43.4% 5.972	43.8% 6.569	44.1% 7.166	44.4% 7.763	44.6% 8.360	44.8% 8.957	45.0% 9.554	45.1% 10.151	45.3% 10.748
36	28.5% 0.855	35.8% 1.610	39.4% 2.364	41.6% 3.118	43.0% 3.873	44.1% 4.627	44.8% 5.382	45.5% 6.136	45.3% 6.791	45.7% 7.546	46.1% 8.300	46.4% 9.054	46.7% 9.809	46.9% 10.563	47.2% 11.318	47.3% 12.072	47.5% 12.826	47.7% 13.581
42	29.5% 1.034	37.1% 1.946	40.8% 2.858	43.1% 3.770	44.6% 4.682	45.7% 5.593	46.5% 6.505	47.1% 7.417	46.9% 8.209	47.4% 9.121	47.8% 10.033	48.1% 10.945	48.4% 11.857	48.6% 12.769	48.9% 13.681	49.1% 14.593	49.2% 15.505	49.4% 16.417
48	29.8% 1.193	37.4% 2.245	41.2% 3.297	43.5% 4.350	45.0% 5.402	46.1% 6.454	46.9% 7.506	47.5% 8.558	47.4% 9.472	47.8% 10.525	48.2% 11.577	48.6% 12.629	48.9% 13.681	49.1% 14.733	49.3% 15.786	49.5% 16.838	49.7% 17.890	49.8% 18.942
54	30.0% 1.352	37.7% 2.545	41.5% 3.737	43.8% 4.930	45.3% 6.122	46.4% 7.314	47.3% 8.507	47.9% 9.699	47.7% 10.735	48.2% 11.928	48.6% 13.120	48.9% 14.313	49.2% 15.505	49.5% 16.698	49.7% 17.890	49.9% 19.083	50.1% 20.275	50.2% 21.468
60	30.3% 1.516	38.0% 2.854	41.9% 4.191	44.2% 5.528	45.8% 6.866	46.9% 8.203	47.7% 9.540	48.3% 10.878	48.2% 12.040	48.6% 13.377	49.0% 14.714	49.4% 16.052	49.7% 17.389	49.9% 18.726	50.2% 20.064	50.4% 21.401	50.5% 22.739	50.7% 24.076
66	30.8% 1.695	38.7% 3.190	42.6% 4.684	44.9% 6.179	46.5% 7.674	47.6% 9.168	48.5% 10.663	49.1% 12.158	48.9% 13.456	49.4% 14.951	49.8% 16.446	50.2% 17.941	50.5% 19.435	50.7% 20.930	51.0% 22.425	51.2% 23.920	51.3% 25.414	51.5% 26.909
72	31.2% 1.873	39.2% 3.525	43.1% 5.177	45.5% 6.830	47.1% 8.482	48.3% 10.134	49.1% 11.786	49.8% 13.438	49.6% 14.873	50.1% 16.525	50.5% 18.177	50.8% 19.830	51.1% 21.482	51.4% 23.134	51.6% 24.786	51.8% 26.438	52.0% 28.090	52.2% 29.742
78	31.6% 2.052	39.6% 3.861	43.6% 5.671	46.0% 7.480	47.6% 9.290	48.8% 11.099	49.6% 12.909	50.3% 14.718	50.1% 16.290	50.6% 18.100	51.0% 19.909	51.4% 21.718	51.7% 23.528	52.0% 25.337	52.2% 27.147	52.4% 28.956	52.6% 30.766	52.8% 32.575
84	31.8% 2.227	39.9% 4.191	44.0% 6.155	46.4% 8.119	48.0% 10.083	49.2% 12.047	50.0% 14.011	50.7% 15.976	50.5% 17.682	51.0% 19.646	51.5% 21.610	51.8% 23.574	52.1% 25.538	52.4% 27.502	52.6% 29.466	52.8% 31.430	53.0% 33.395	53.2% 35.359

## Stationary and Adjustable Louvers

## JSA-A'-100s



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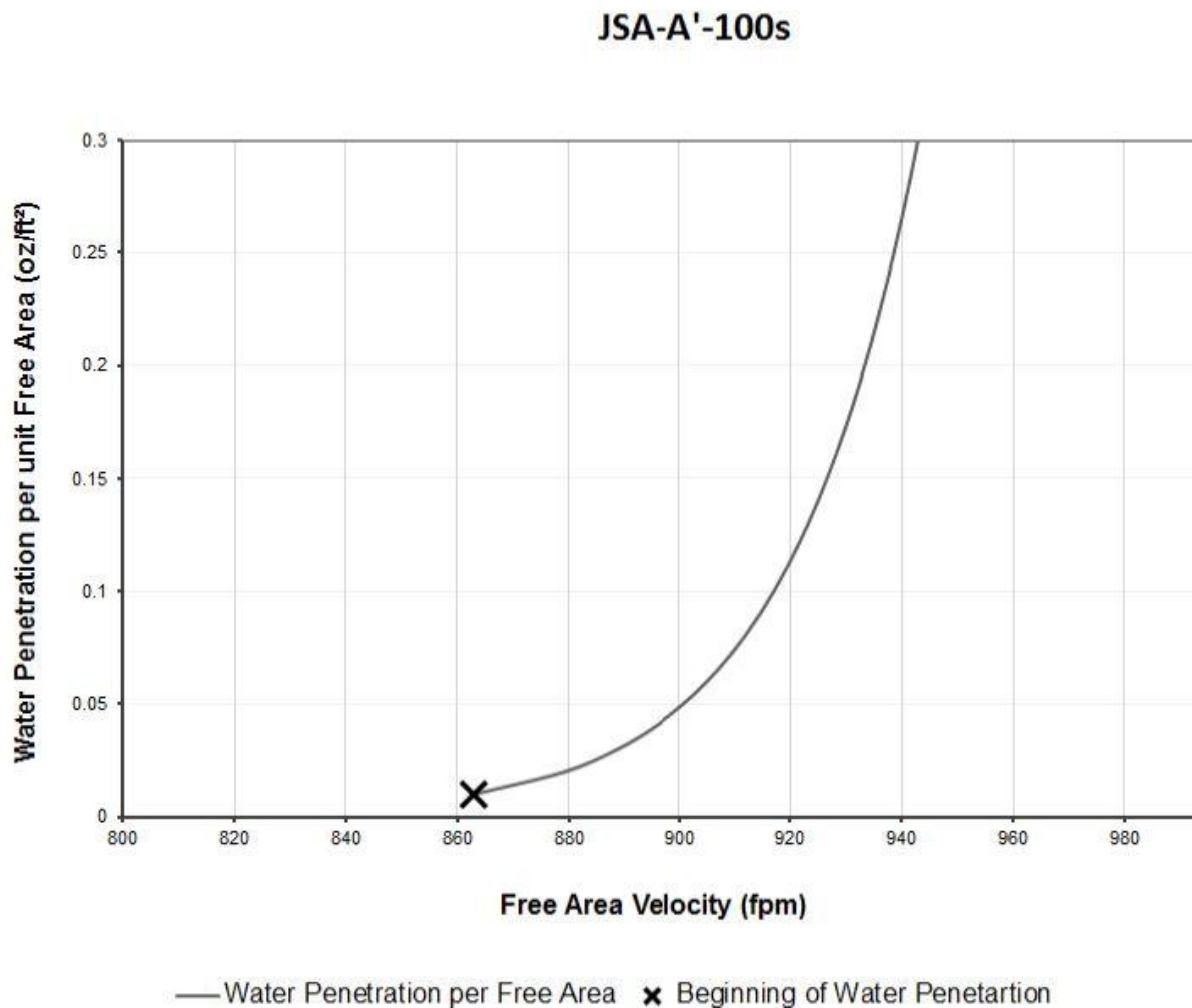
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### Test Information

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Test sample size is 48 in X 48 in.(W1 X H1). Test Period 15 minutes. Data at standard air density.

## Water Penetration

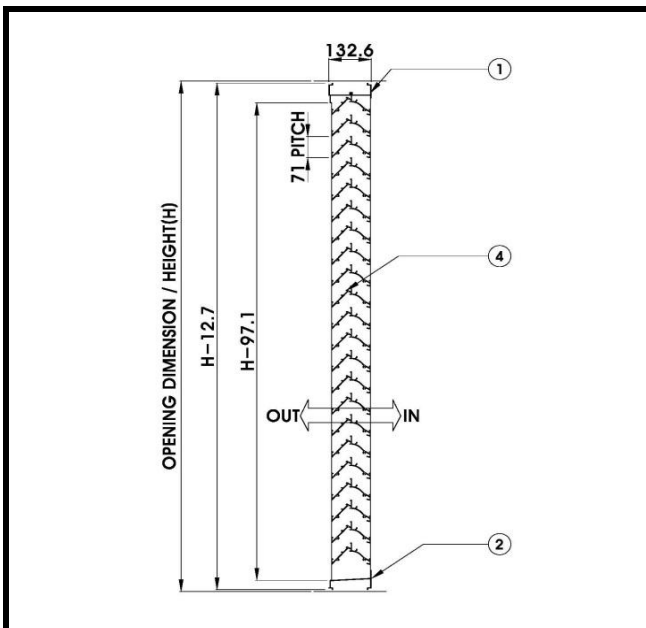


The beginning point of water penetration for Model JSA-A'-100s is 864.3 fpm free area velocity.

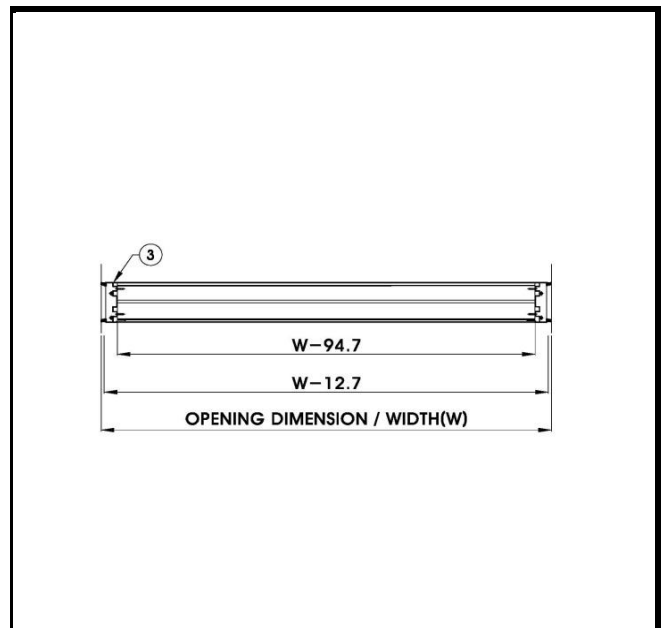
### Construction - Dimension and details

1. UPP-FRAME
2. LOW-FRAME
3. SIDE FRAME
4. FIXDE BLAED

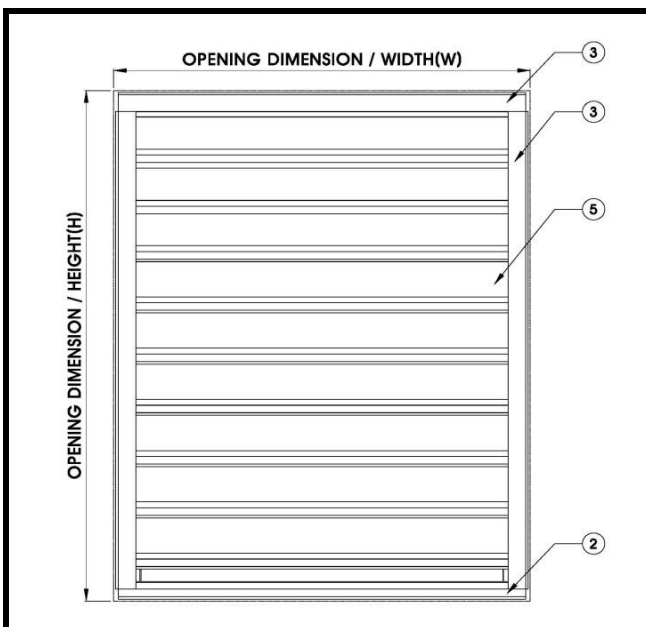
#### Vertical Section



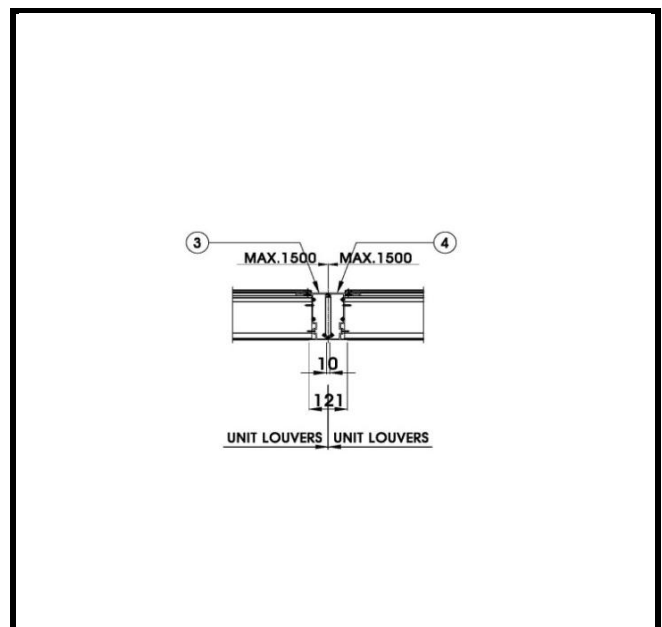
#### Horizontal Section



#### Louver Front View

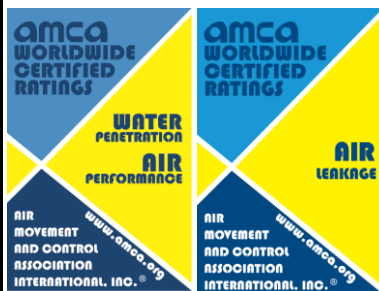


#### Mullion of Multiple Module



## Stationary and Adjustable Louvers

## JSA-C-100s



Jaesung Aluminum Co., Ltd certifies that Model JSA-C-100s Louver shown herein is licensed to bear the AMCA Seal for Model JSA-C-100s. 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 and Water Penetration and Air Leakage Ratings.

### Test Information

Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test for water penetration in accordance with ANSI/AMCA Standard 500-L-07, Figure 5.6.

## Construction Standard

### **FRAME:**

Gauge 12(3.2mm thick) formed extruded aluminum profiles.(A6063-T5)

### **BLADES:**

Gauge 15(2.0mm thick) formed extruded aluminum profiles.(A6063-T5)

### **SCREEN:**

Stainless steel bird screen 1/2"~3/4"(12~19) fixed in front or behind the blades.

Please note that Pressure Drop Data is obtained from Test without bird screen.

Pressure drop of bird screen is additive and to be calculated separately.

### **MINIMUM SIZE:**

300 X 300mm(12in X 12in) - Neck Size

### **MAXIMUM SIZE:**

2100 X 2900mm as single section(Neck Size)

2 section more module consult JAS for multiple section assembly details.

Catalog ID : JSA-C-100 July 2016

## JSA-C-100s



### **Optional Extras**

#### **\*Code A**

Finished to Anodizing.

#### **\*Code P**

Painted to PVDF.

#### **\*Code I**

Insect screen in aluminum.

#### **\*Code B**

Bird screen in stainless steel.

## Stationary and Adjustable Louvers

## JSA-C-100s



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The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration and Air Leakage Ratings.

### Test Information

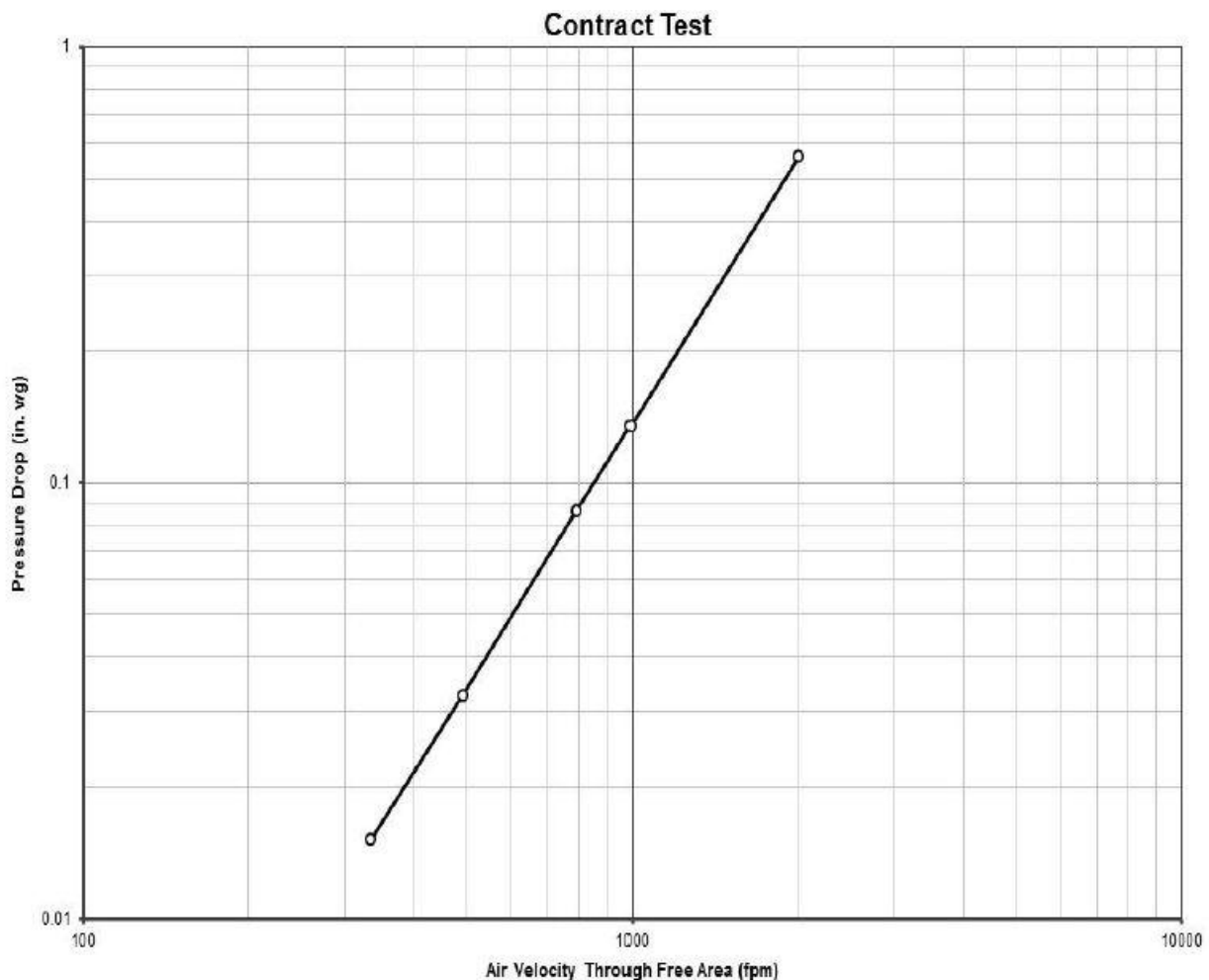
Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1). Data at standard air density.

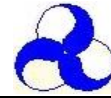
## Air Performance

### Pressure Drop

#### Intake Air Performance



Catalog ID : JSA-C-100 July 2016



## Stationary and Adjustable Louvers

## JSA-C-100s



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The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration and Air Leakage Ratings.

### Test Information

Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1).

## Air Performance

### Free Area Chart(Sq.Ft.)

H" \ W"	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114
12	4.3% 0.043	7.6% 0.113	9.2% 0.184	10.2% 0.255	10.9% 0.326	11.3% 0.396	11.7% 0.467	12.0% 0.538	12.0% 0.599	12.2% 0.670	12.3% 0.741	12.5% 0.812	12.6% 0.882	12.7% 0.953	12.8% 1.024	12.9% 1.095	12.9% 1.165	13.0% 1.236
18	1.7% 0.025	3.0% 0.067	3.6% 0.108	4.0% 0.150	4.3% 0.192	4.4% 0.233	4.6% 0.275	4.7% 0.317	4.7% 0.353	4.8% 0.395	4.8% 0.436	4.9% 0.478	4.9% 0.520	5.0% 0.561	5.0% 0.603	5.1% 0.645	5.1% 0.686	5.1% 0.728
24	10.0% 0.201	17.8% 0.534	21.7% 0.867	24.0% 1.200	25.6% 1.534	26.7% 1.867	27.5% 2.200	28.1% 2.533	28.2% 2.823	28.7% 3.156	29.1% 3.489	29.4% 3.823	29.7% 4.156	29.9% 4.489	30.1% 4.822	30.3% 5.155	30.5% 5.489	30.6% 5.822
30	14.1% 0.351	24.9% 0.935	30.4% 1.518	33.6% 2.101	35.8% 2.684	37.3% 3.267	38.5% 3.851	39.4% 4.434	39.5% 4.941	40.2% 5.524	40.7% 6.107	41.2% 6.690	41.6% 7.274	41.9% 7.857	42.2% 8.440	42.5% 9.023	42.7% 9.606	42.9% 10.190
36	14.4% 0.431	25.5% 1.147	31.0% 1.862	34.4% 2.578	36.6% 3.293	38.2% 4.009	39.4% 4.724	40.3% 5.440	40.4% 6.061	41.1% 6.777	41.6% 7.492	42.1% 8.208	42.5% 8.923	42.8% 9.639	43.1% 10.354	43.4% 11.070	43.6% 11.785	43.9% 12.501
42	14.6% 0.511	25.9% 1.359	31.5% 2.207	34.9% 3.056	37.2% 3.904	38.8% 4.752	40.0% 5.600	40.9% 6.449	41.1% 7.185	41.7% 8.034	42.3% 8.882	42.8% 9.730	43.2% 10.578	43.5% 11.427	43.8% 12.275	44.1% 13.123	44.4% 13.971	44.6% 14.820
48	14.8% 0.591	26.2% 1.572	31.9% 2.553	35.3% 3.534	37.6% 4.515	39.3% 5.496	40.5% 6.477	41.4% 7.457	41.5% 8.310	42.2% 9.291	42.8% 10.272	43.3% 11.252	43.7% 12.233	44.0% 13.214	44.4% 14.195	44.6% 15.176	44.9% 16.157	45.1% 17.138
54	14.9% 0.671	26.4% 1.784	32.2% 2.897	35.6% 4.010	38.0% 5.123	39.6% 6.237	40.8% 7.350	41.8% 8.463	41.9% 9.430	42.6% 10.544	43.2% 11.657	43.7% 12.770	44.1% 13.883	44.4% 14.996	44.7% 16.110	45.0% 17.223	45.3% 18.336	45.5% 19.449
60	15.0% 0.751	26.6% 1.996	32.4% 3.242	35.9% 4.488	38.2% 5.734	39.9% 6.980	41.1% 8.226	42.1% 9.472	42.2% 10.554	42.9% 11.800	43.5% 13.046	44.0% 14.292	44.4% 15.538	44.8% 16.784	45.1% 18.030	45.4% 19.276	45.6% 20.522	45.8% 21.768
66	15.1% 0.830	26.8% 2.209	32.6% 3.588	36.1% 4.966	38.5% 6.345	40.1% 7.724	41.4% 9.102	42.3% 10.481	42.5% 11.679	43.2% 13.057	43.7% 14.436	44.2% 15.815	44.7% 17.193	45.0% 18.572	45.3% 19.951	45.6% 21.329	45.9% 22.708	46.1% 24.086
72	15.2% 0.910	26.9% 2.422	32.8% 3.933	36.3% 5.444	38.6% 6.956	40.3% 8.467	41.6% 9.979	42.6% 11.490	42.7% 12.803	43.4% 14.314	44.0% 15.826	44.5% 17.337	44.9% 18.848	45.2% 20.360	45.6% 21.871	45.8% 23.382	46.1% 24.894	46.3% 26.405
78	15.2% 0.990	27.0% 2.634	32.9% 4.277	36.4% 5.921	38.8% 7.565	40.5% 9.208	41.7% 10.852	42.7% 12.496	42.8% 13.924	43.5% 15.567	44.1% 17.211	44.6% 18.854	45.1% 20.498	45.4% 22.142	45.7% 23.785	46.0% 25.429	46.3% 27.073	46.5% 28.716
84	15.3% 1.068	27.1% 2.842	33.0% 4.615	36.5% 6.389	38.9% 8.162	40.6% 9.935	41.8% 11.709	42.8% 13.482	42.9% 15.023	43.6% 16.796	44.2% 18.570	44.7% 20.343	45.1% 22.117	45.5% 23.890	45.8% 25.664	46.1% 27.437	46.4% 29.211	46.6% 30.984

## Stationary and Adjustable Louvers

## JSA-C-100s



Jaesung Aluminum Co., Ltd certifies that Model JSA-C-100s Louver shown herein is licensed to bear the AMCA Seal for Model JSA-C-100s. 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.

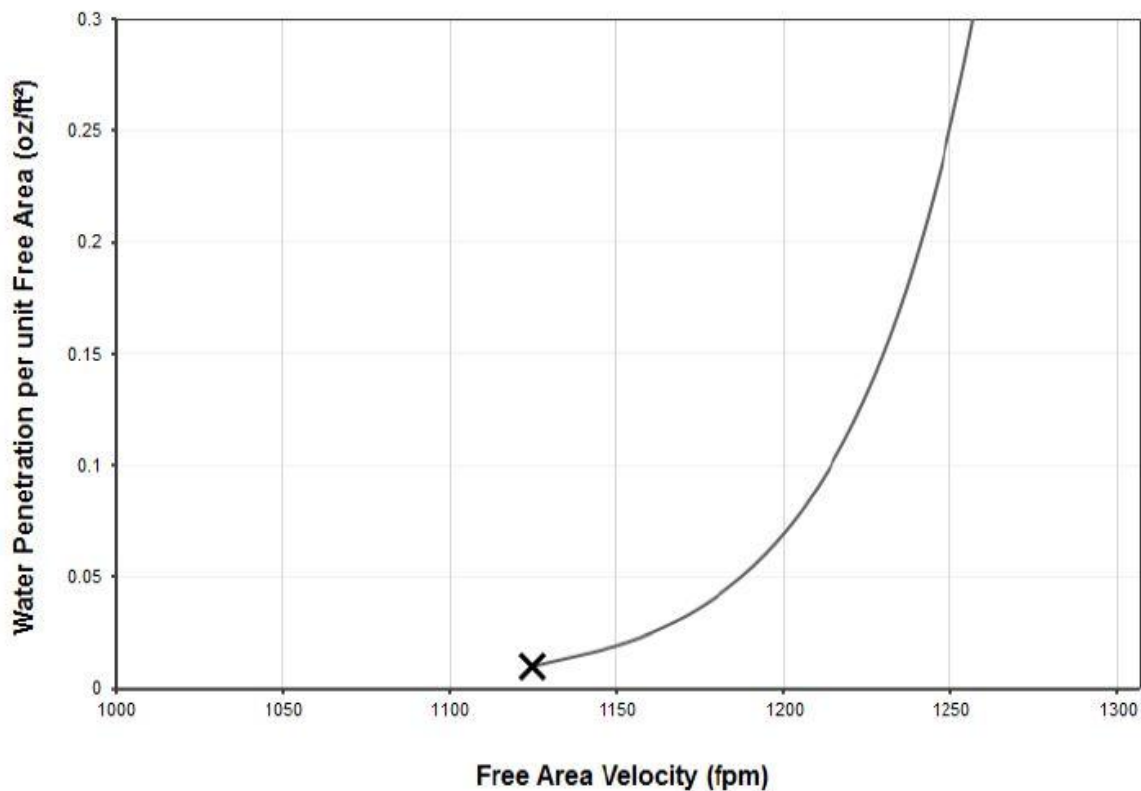
The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration and Air Leakage Ratings.

### Test Information

Test sample size is 48 in X 48 in.(W1 X H1). Test Period 15 minutes. Data at standard air density.

## Water Penetration

### JSA-C-100s



— Water Penetration per Free Area    x Beginning of Water Penetration

The beginning point of water penetration for Model JSA-C-100s is 1126.2 fpm free area velocity.

## Stationary and Adjustable Louvers

## JSA-C-100s



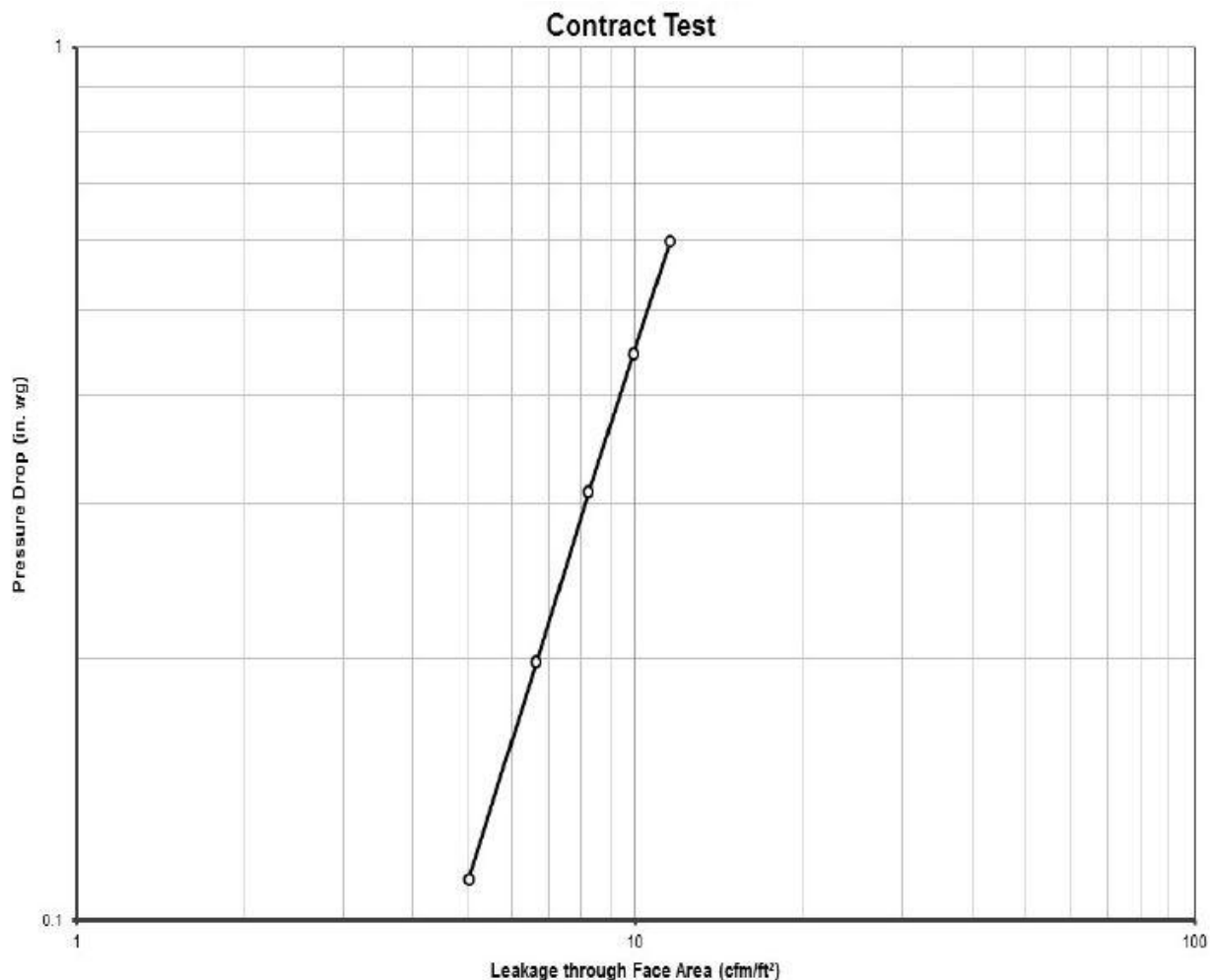
Jaesung Aluminum Co., Ltd certifies that Model JSA-C-100s Louver shown herein is licensed to bear the AMCA Seal for Model JSA-C-100s. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration and Air Leakage Ratings.

### Test Information

Test Figure 5.4. Test sample size is 48 in X 48 in. Data at standard air density. Air leakage is based on operation between 10°C – 40°C. Data are based on a torque of 5.7 in.-lb/ft<sup>2</sup> applied to close and seat the damper during the test.

## Air Leakage

### Intake Leakage



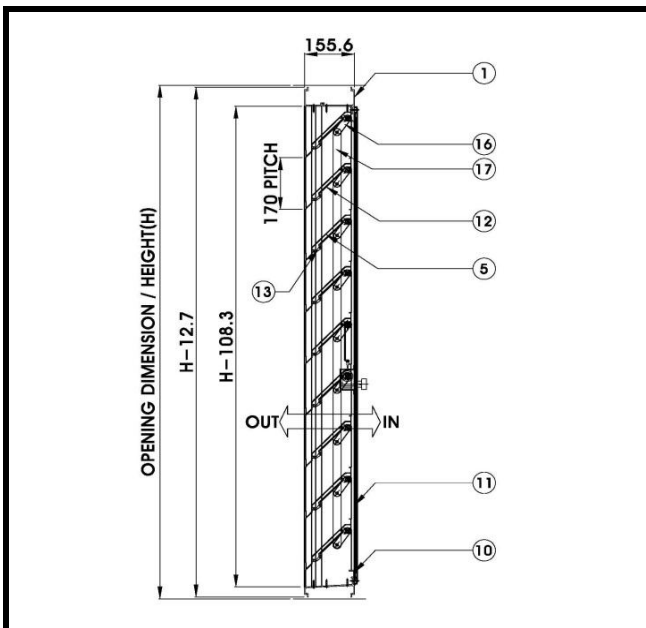
## Stationary and Adjustable Louvers

**JSA-C-100s**

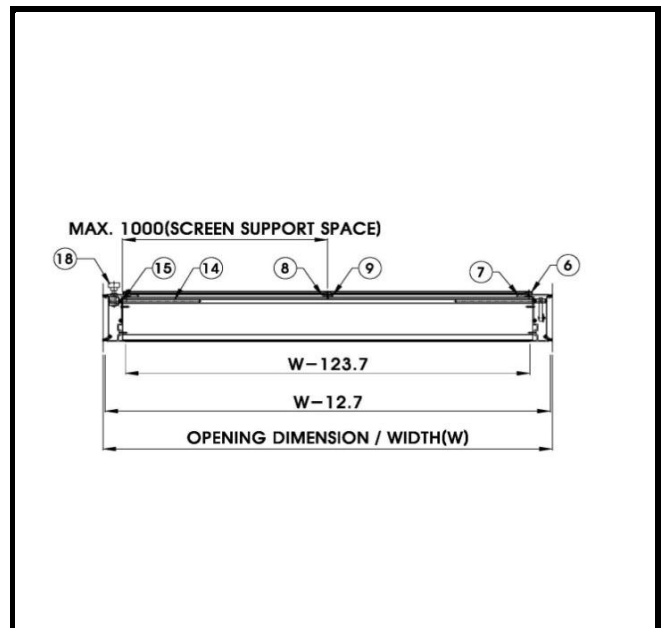
### Construction - Dimension and details

1. UPP-FRAME	5. FIXED BLAED	9. SCREEN SUPPORT BAR	13. BLADE SEAL
2. LOW-FRAME	6. SCREEN BAR	10. LOW-BAFFLE	14. SHAFT 15. BUSHING
3. SIDE FRAME	7. SIDE BAFFLE	11. BIRD SCREEN	16. LINK ARM 17. LINKAGE
4. SIDE FRAME-1	8. SCREEN SUPPORT	12. OPERATING BLADE	18. HANDEL

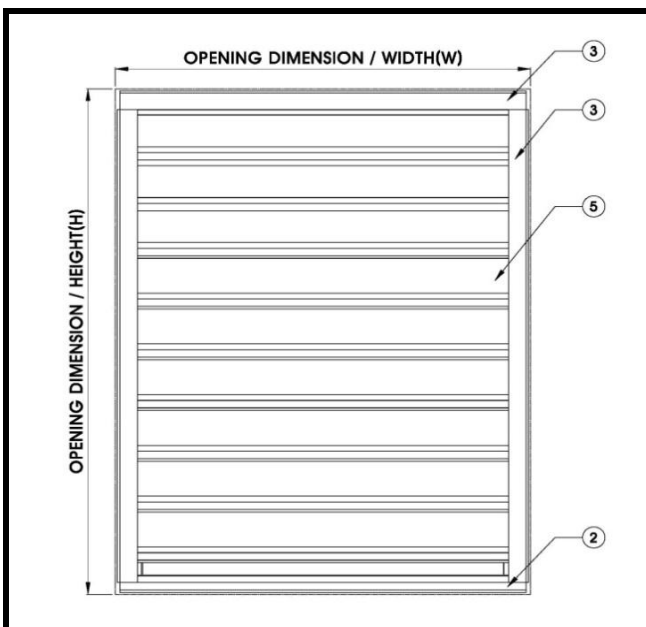
### Vertical Section



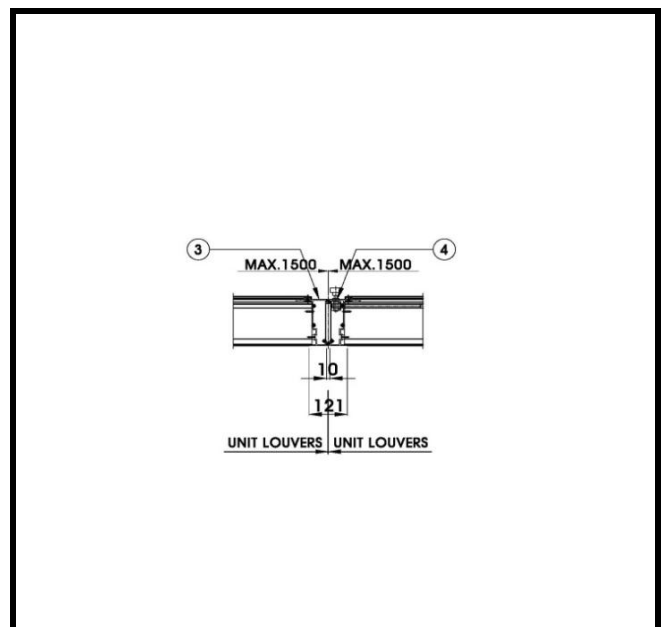
### Horizontal Section



### Louver Front View



### Mullion of Multiple Module





## Stationary and Adjustable Louvers

## JSA-D-100s



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The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration Ratings.

### Test Information

Test for air performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test for water penetration in accordance with ANSI/AMCA Standard 500-L-07, Figure 5.6.

## Construction Standard

### **FRAME:**

Gauge 12(3.2mm thick) formed extruded aluminum profiles.(A6063-T5)

### **BLADES:**

Gauge 15(2.0mm thick) formed extruded aluminum profiles.(A6063-T5)

### **SCREEN:**

Stainless steel bird screen 1/2"~3/4"(12~19) fixed in front or behind the blades.

Please note that Pressure Drop Data is obtained from Test without bird screen.

Pressure drop of bird screen is additive and to be calculated separately.

### **MINIMUM SIZE:**

300 X 300mm(12in X 12in) - Neck Size

### **MAXIMUM SIZE:**

2100 X 2900mm as single section(Neck Size)

2 section more module consult JAS for multiple section assembly details.

Catalog ID : JSA-D-100 July 2016

## JSA-D-100s



### **Optional Extras**

#### **\*Code A**

Finished to Anodizing.

#### **\*Code P**

Painted to PVDF.

#### **\*Code I**

Insect screen in aluminum.

#### **\*Code B**

Bird screen in stainless steel.

## Stationary and Adjustable Louvers

## JSA-D-100s



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The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration Ratings.

### Test Information

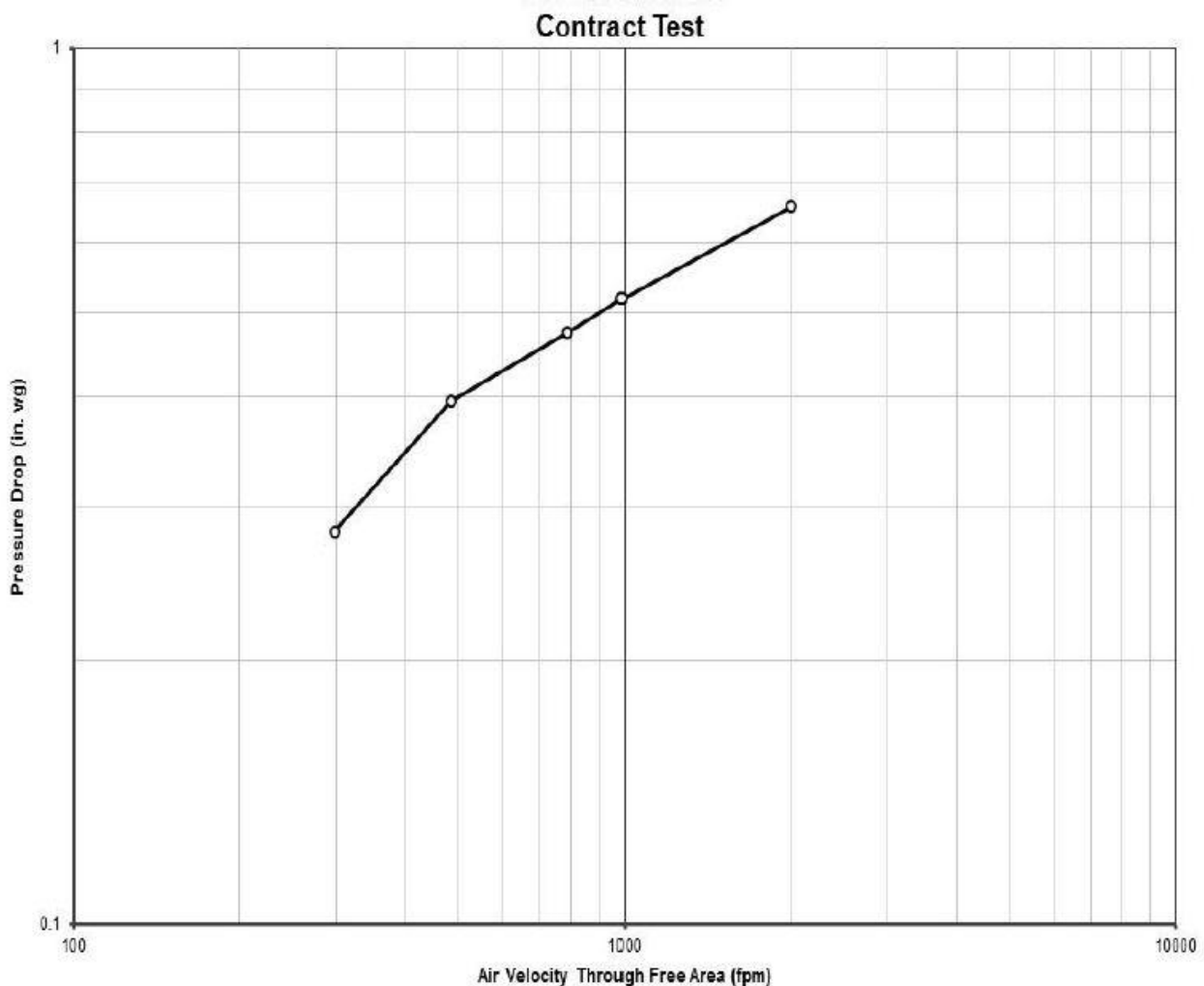
Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1). Data at standard air density.

## Air Performance

### Pressure Drop

#### Intake Air Performance



Catalog ID : JSA-D-100 July 2016



## Stationary and Adjustable Louvers

## JSA-D-100s



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The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration Ratings.

### Test Information

Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1)

## Air Performance

### Free Area Chart(Sq.Ft.)

H" \ W"	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114
12	5.1% 0.051	6.3% 0.094	6.8% 0.136	7.1% 0.179	7.4% 0.221	7.5% 0.263	7.6% 0.306	7.7% 0.348	7.7% 0.385	7.8% 0.427	7.8% 0.470	7.9% 0.512	7.9% 0.555	8.0% 0.597	8.0% 0.639	8.0% 0.682	8.0% 0.724	8.1% 0.767
18	20.5% 0.307	24.9% 0.561	27.1% 0.814	28.5% 1.067	29.3% 1.321	30.0% 1.574	30.5% 1.827	30.8% 2.081	30.7% 2.301	31.0% 2.554	31.2% 2.807	31.4% 3.061	31.6% 3.314	31.7% 3.567	31.8% 3.821	32.0% 4.074	32.1% 4.327	32.1% 4.581
24	18.2% 0.364	22.1% 0.664	24.1% 0.964	25.3% 1.264	26.1% 1.564	26.6% 1.864	27.0% 2.164	27.4% 2.464	27.2% 2.724	27.5% 3.024	27.7% 3.324	27.9% 3.624	28.0% 3.924	28.2% 4.224	28.3% 4.524	28.4% 4.824	28.5% 5.124	28.5% 5.424
30	21.7% 0.544	26.5% 0.992	28.8% 1.440	30.2% 1.889	31.2% 2.337	31.8% 2.785	32.3% 3.234	32.7% 3.682	32.6% 4.071	32.9% 4.520	33.1% 4.968	33.3% 5.416	33.5% 5.865	33.7% 6.313	33.8% 6.761	33.9% 7.210	34.0% 7.658	34.1% 8.106
36	20.0% 0.601	24.4% 1.096	26.5% 1.592	27.8% 2.087	28.7% 2.582	29.3% 3.078	29.8% 3.573	30.1% 4.069	30.0% 4.499	30.3% 4.994	30.5% 5.490	30.7% 5.985	30.9% 6.481	31.0% 6.976	31.1% 7.472	31.2% 7.967	31.3% 8.462	31.4% 8.958
42	22.0% 0.771	26.8% 1.407	29.2% 2.043	30.6% 2.679	31.6% 3.314	32.2% 3.950	32.8% 4.586	33.2% 5.222	33.0% 5.774	33.3% 6.410	33.6% 7.046	33.8% 7.682	33.9% 8.318	34.1% 8.953	34.2% 9.589	34.4% 10.225	34.5% 10.861	34.6% 11.497
48	20.9% 0.838	25.5% 1.529	27.7% 2.219	29.1% 2.910	30.0% 3.601	30.7% 4.292	31.1% 4.983	31.5% 5.674	31.4% 6.274	31.7% 6.965	31.9% 7.655	32.1% 8.346	32.3% 9.037	32.4% 9.728	32.6% 10.419	32.7% 11.110	32.8% 11.800	32.9% 12.491
54	22.2% 0.998	27.0% 1.822	29.4% 2.645	30.8% 3.468	31.8% 4.292	32.5% 5.115	33.0% 5.938	33.4% 6.762	33.2% 7.477	33.5% 8.300	33.8% 9.124	34.0% 9.947	34.2% 10.770	34.4% 11.594	34.5% 12.417	34.6% 13.240	34.7% 14.064	34.8% 14.887
60	20.0% 0.999	24.3% 1.823	26.5% 2.646	27.8% 3.470	28.6% 4.294	29.2% 5.118	29.7% 5.941	30.1% 6.765	29.9% 7.481	30.2% 8.305	30.4% 9.128	30.6% 9.952	30.8% 10.776	30.9% 11.600	31.1% 12.423	31.2% 13.247	31.3% 14.071	31.4% 14.895
66	22.3% 1.226	27.1% 2.237	29.5% 3.247	31.0% 4.258	31.9% 5.269	32.6% 6.280	33.1% 7.291	33.5% 8.302	33.4% 9.180	33.7% 10.191	33.9% 11.201	34.2% 12.212	34.3% 13.223	34.5% 14.234	34.6% 15.245	34.8% 16.256	34.9% 17.266	35.0% 18.277
72	21.9% 1.312	26.6% 2.393	29.0% 3.475	30.4% 4.557	31.3% 5.638	32.0% 6.720	32.5% 7.802	32.9% 8.883	32.7% 9.823	33.0% 10.905	33.3% 11.986	33.5% 13.068	33.7% 14.150	33.8% 15.231	34.0% 16.313	34.1% 17.395	34.2% 18.476	34.3% 19.558
78	21.1% 1.369	25.6% 2.497	27.9% 3.626	29.3% 4.755	30.2% 5.883	30.8% 7.012	31.3% 8.141	31.7% 9.269	31.5% 10.250	31.8% 11.379	32.1% 12.507	32.3% 13.636	32.4% 14.765	32.6% 15.893	32.7% 17.022	32.9% 18.151	33.0% 19.279	33.0% 20.408
84	22.1% 1.549	26.9% 2.826	29.3% 4.103	30.7% 5.380	31.7% 6.657	32.4% 7.934	32.9% 9.211	33.3% 10.488	33.1% 11.598	33.4% 12.875	33.7% 14.152	33.9% 15.429	34.1% 16.706	34.3% 17.983	34.4% 19.260	34.5% 20.537	34.6% 21.814	34.7% 23.091

## Stationary and Adjustable Louvers

## JSA-D-100s



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The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration Ratings.

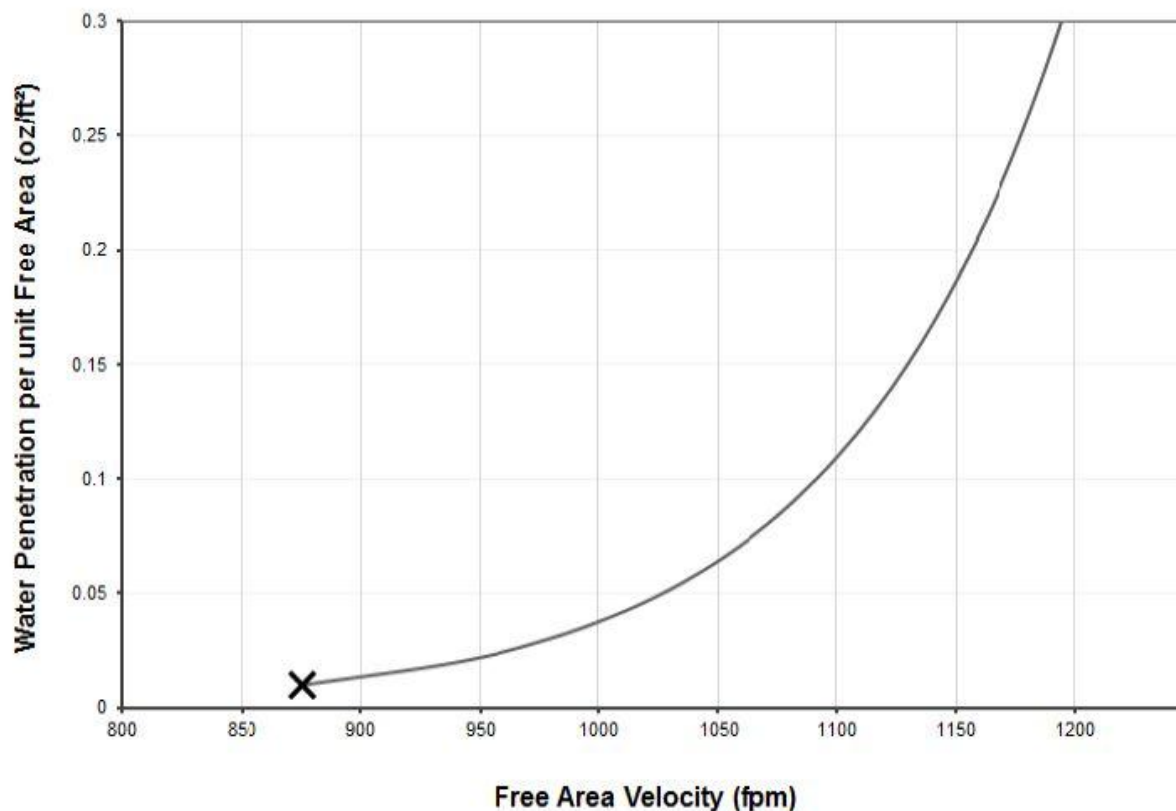
### Test Information

Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1). Test Period 15 minutes. Data at standard air density.

## Water Penetration

JSA-D-100s



— Water Penetration per Free Area    x Beginning of Water Penetration

The beginning point of water penetration for Model JSA-D-100s is 877.5 fpm free area velocity.

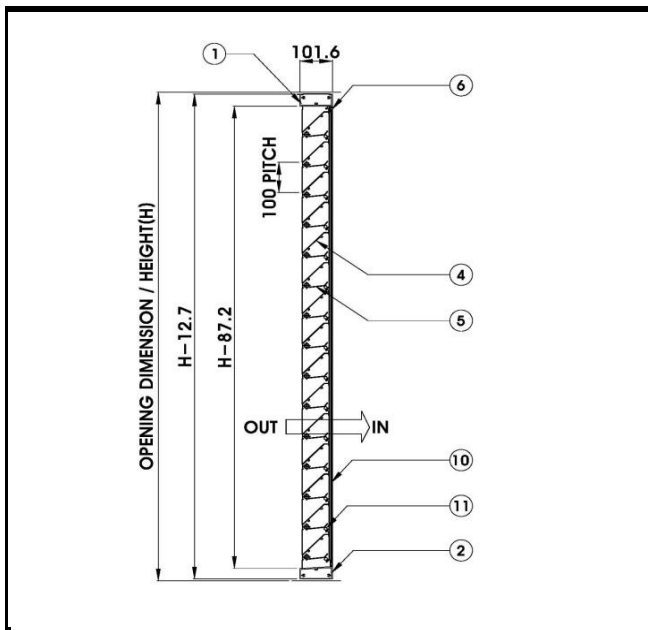
## Stationary and Adjustable Louvers

**JSA-D-100s**

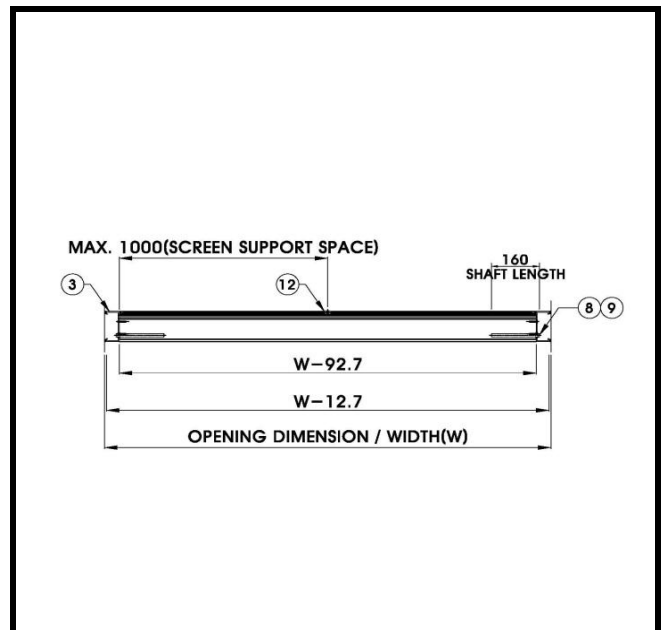
### Construction - Dimension and details

- |                |                    |                 |
|----------------|--------------------|-----------------|
| 1. UPP-FRAME   | 5. OPERATING BLADE | 9. BUSHING      |
| 2. LOW-FRAME   | 6. SCREEN FRAME    | 10. BIRD SCREEN |
| 3. SIDE FRAME  | 7. FRAME COVER     | 11. BLADE SEAL  |
| 4. FIXED BLADE | 8. SHAFT           |                 |

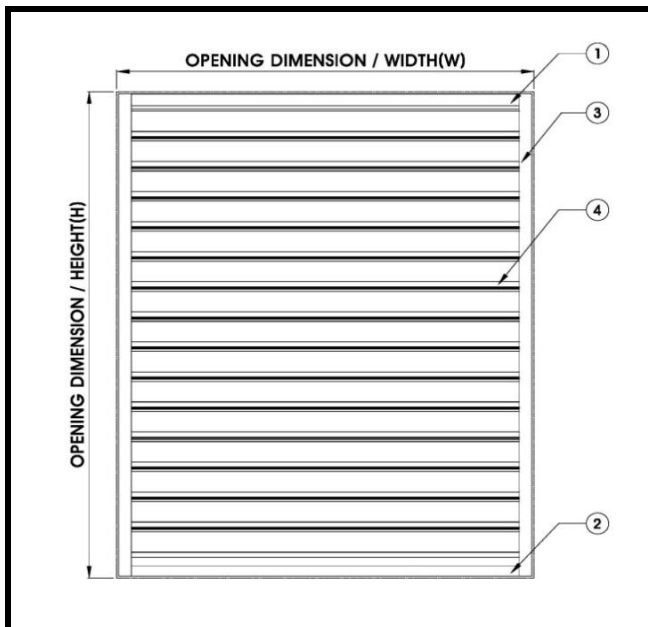
### Vertical Section



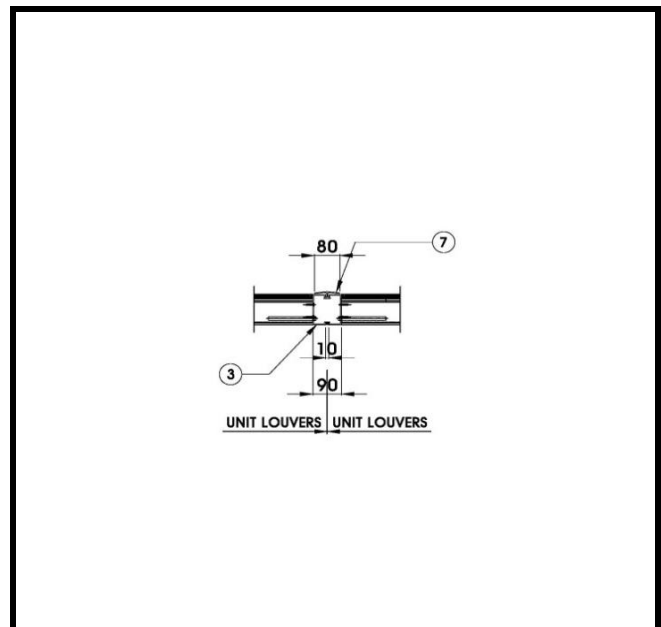
### Horizontal Section



### Louver Front View



### Mullion of Multiple Module





## Stationary and Adjustable Louvers

## JSA-E-100s



Jaesung Aluminum Co., Ltd certifies that Model JSA-E-100s Louver shown herein is licensed to bear the AMCA Seal for Model JSA-E-100s. 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 and Air Leakage Ratings.

### Test Information

Test for air performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test for water penetration in accordance with ANSI/AMCA Standard 500-L-07, Figure 5.6.

## Construction Standard

### **FRAME:**

Gauge 12(3.2mm thick) formed extruded aluminum profiles.(A6063-T5)

### **BLADES:**

Gauge 15(2.0mm thick) formed extruded aluminum profiles.(A6063-T5)

### **SCREEN:**

Stainless steel bird screen 1/2"~3/4"(12~19) fixed in front or behind the blades.

Please note that Pressure Drop Data is obtained from Test without bird screen.

Pressure drop of bird screen is additive and to be calculated separately.

### **MINIMUM SIZE:**

300 X 300mm(12in X 12in) - Neck Size

### **MAXIMUM SIZE:**

2100 X 2900mm as single section(Neck Size)

2 section more module consult JAS for multiple section assembly details.

Catalog ID : JSA-E-100 July 2016

## JSA-E-100s



### **Optional Extras**

#### **\*Code A**

Finished to Anodizing.

#### **\*Code P**

Painted to PVDF.

#### **\*Code I**

Insect screen in aluminum.

#### **\*Code B**

Bird screen in stainless steel.



Jaesung Aluminum Co.,Ltd certifies that Model JSA-E-100s Louver shown herein is licensed to bear the AMCA Seal for Model JSA-E-100s. 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 and Air Leakage Ratings.

### Test Information

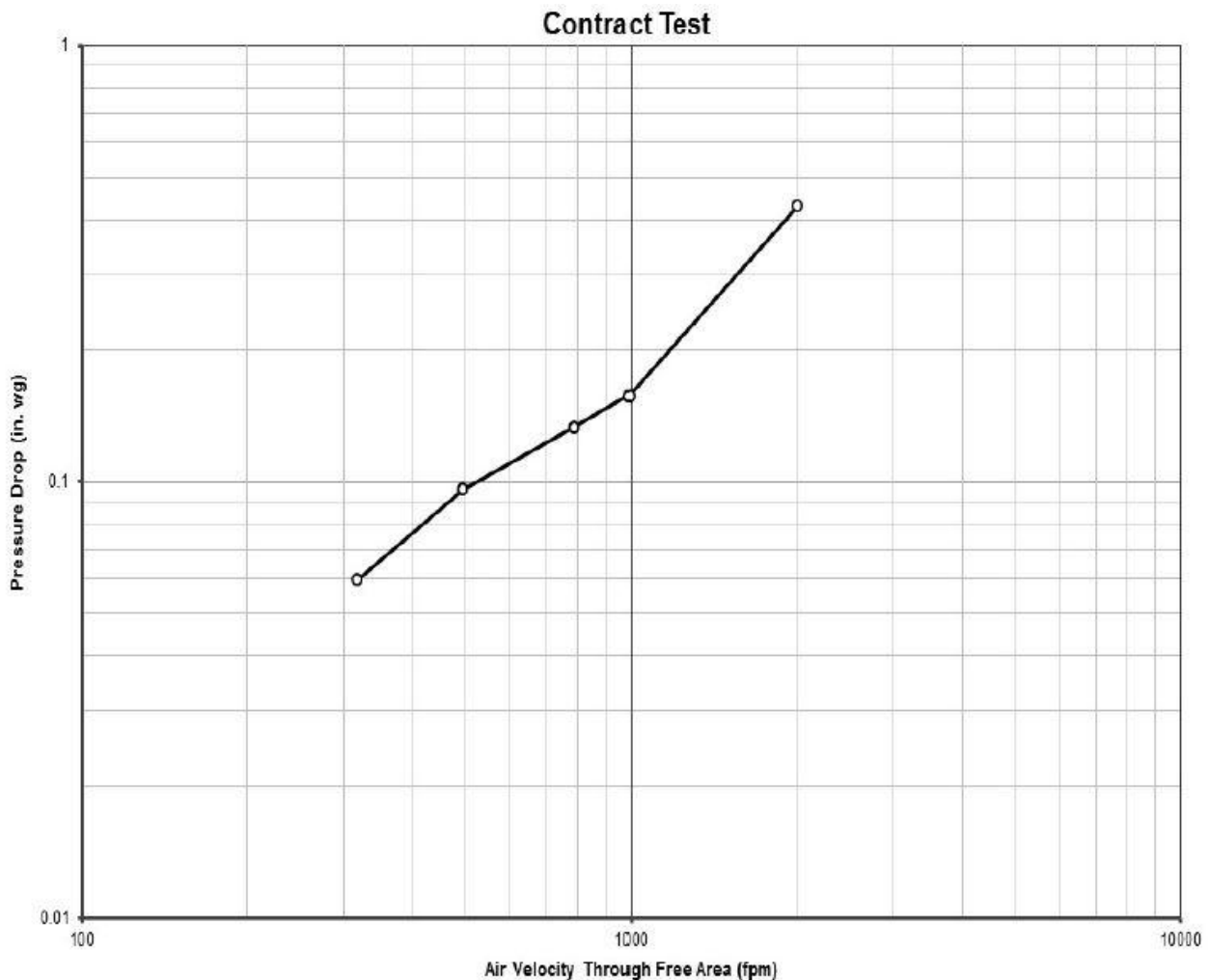
Test for air performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1). Data at standard air density.

## Air Performance

### Pressure Drop

#### Exhaust Air Performance





## Stationary and Adjustable Louvers

## JSA-E-100s



Jaesung Aluminum Co.,Ltd certifies that Model JSA-E-100s Louver shown herein is licensed to bear the AMCA Seal for Model JSA-E-100s. 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 and Air Leakage Ratings.

### Test Information

Test for air performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1).

## Air Performance

### Free Area Chart(Sq.Ft.)

H" \ W"	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114
12	19.1% 0.191	23.3% 0.349	25.3% 0.507	26.6% 0.665	27.4% 0.823	28.0% 0.980	28.5% 1.138	28.8% 1.296	28.7% 1.433	28.9% 1.591	29.1% 1.749	29.3% 1.907	29.5% 2.064	29.6% 2.222	29.8% 2.380	29.9% 2.538	30.0% 2.696	30.0% 2.853
18	24.1% 0.362	29.4% 0.661	32.0% 0.959	33.5% 1.258	34.6% 1.556	35.3% 1.855	35.9% 2.154	36.3% 2.452	36.2% 2.712	36.5% 3.010	36.8% 3.309	37.0% 3.607	37.2% 3.906	37.4% 4.204	37.5% 4.503	37.7% 4.802	37.8% 5.100	37.9% 5.399
24	20.1% 0.401	24.4% 0.732	26.6% 1.064	27.9% 1.395	28.8% 1.726	29.4% 2.057	29.8% 2.388	30.2% 2.719	30.1% 3.006	30.3% 3.337	30.6% 3.668	30.8% 3.999	30.9% 4.330	31.1% 4.662	31.2% 4.993	31.3% 5.324	31.4% 5.655	31.5% 5.986
30	22.9% 0.572	27.9% 1.045	30.3% 1.517	31.8% 1.989	32.8% 2.461	33.5% 2.933	34.0% 3.405	34.5% 3.877	34.3% 4.287	34.6% 4.759	34.9% 5.231	35.1% 5.703	35.3% 6.175	35.5% 6.648	35.6% 7.120	35.7% 7.592	35.8% 8.064	35.9% 8.536
36	20.4% 0.611	24.8% 1.116	27.0% 1.620	28.3% 2.124	29.2% 2.628	29.8% 3.132	30.3% 3.636	30.7% 4.141	30.5% 4.579	30.8% 5.083	31.0% 5.587	31.2% 6.091	31.4% 6.595	31.6% 7.099	31.7% 7.604	31.8% 8.108	31.9% 8.612	32.0% 9.116
42	22.1% 0.773	26.9% 1.411	29.3% 2.049	30.7% 2.686	31.7% 3.324	32.3% 3.962	32.9% 4.600	33.3% 5.237	33.1% 5.791	33.4% 6.429	33.7% 7.067	33.9% 7.704	34.0% 8.342	34.2% 8.980	34.3% 9.618	34.5% 10.255	34.6% 10.893	34.7% 11.531
48	20.5% 0.822	25.0% 1.499	27.2% 2.177	28.5% 2.855	29.4% 3.533	30.1% 4.210	30.6% 4.888	30.9% 5.566	30.8% 6.155	31.1% 6.832	31.3% 7.510	31.5% 8.188	31.7% 8.865	31.8% 9.543	31.9% 10.221	32.1% 10.898	32.2% 11.576	32.2% 12.254
54	21.6% 0.974	26.3% 1.777	28.7% 2.581	30.1% 3.384	31.0% 4.187	31.7% 4.991	32.2% 5.794	32.6% 6.597	32.4% 7.295	32.7% 8.099	33.0% 8.902	33.2% 9.705	33.4% 10.509	33.5% 11.312	33.7% 12.115	33.8% 12.919	33.9% 13.722	34.0% 14.525
60	20.6% 1.032	25.1% 1.883	27.3% 2.735	28.7% 3.586	29.6% 4.437	30.2% 5.288	30.7% 6.140	31.1% 6.991	30.9% 7.731	31.2% 8.582	31.4% 9.433	31.6% 10.284	31.8% 11.136	32.0% 11.987	32.1% 12.838	32.2% 13.689	32.3% 14.541	32.4% 15.392
66	21.4% 1.175	26.0% 2.144	28.3% 3.113	29.7% 4.082	30.6% 5.051	31.3% 6.020	31.8% 6.989	32.2% 7.958	32.0% 8.799	32.3% 9.768	32.5% 10.737	32.7% 11.706	32.9% 12.675	33.1% 13.644	33.2% 14.613	33.3% 15.582	33.4% 16.551	33.5% 17.520
72	20.7% 1.243	25.2% 2.267	27.4% 3.292	28.8% 4.317	29.7% 5.342	30.3% 6.367	30.8% 7.391	31.2% 8.416	31.0% 9.307	31.3% 10.331	31.5% 11.356	31.7% 12.381	31.9% 13.406	32.1% 14.430	32.2% 15.455	32.3% 16.480	32.4% 17.505	32.5% 18.530
78	19.7% 1.282	24.0% 2.339	26.1% 3.397	27.4% 4.454	28.3% 5.511	28.9% 6.569	29.3% 7.626	29.7% 8.683	29.5% 9.602	29.8% 10.659	30.0% 11.716	30.2% 12.774	30.4% 13.831	30.5% 14.888	30.7% 15.945	30.8% 17.003	30.9% 18.060	31.0% 19.117
84	20.8% 1.453	25.3% 2.651	27.5% 3.850	28.8% 5.048	29.7% 6.246	30.4% 7.445	30.9% 8.643	31.2% 9.841	31.1% 10.883	31.4% 12.081	31.6% 13.279	31.8% 14.478	32.0% 15.676	32.1% 16.874	32.3% 18.073	32.4% 19.271	32.5% 20.469	32.6% 21.668



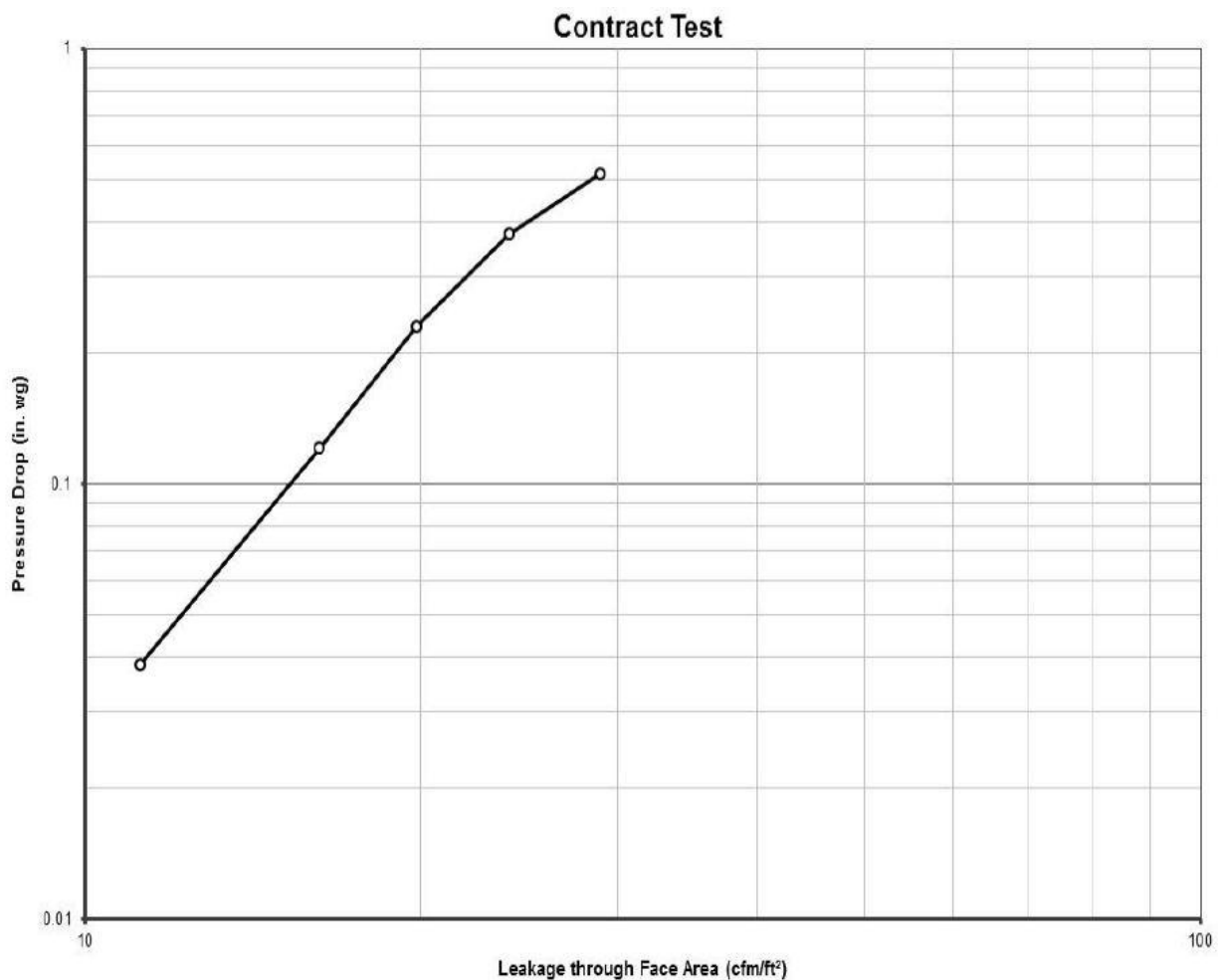
Jaesung Aluminum Co.,Ltd certifies that Model JSA-E-100s Louver shown herein is licensed to bear the AMCA Seal for Model JSA-E-100s. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Air Performance and Air Leakage Ratings.

### Test Information

Test Figure 5.4. Test sample size is 48 in X 48 in. Data at standard air density. Air leakage is based on operation between 10°C – 40°C. Gravity applied to close and seat the damper during the test.

## Air Leakage

### Exhaust Leakage



Catalog ID : JSA-E-100 July 2016

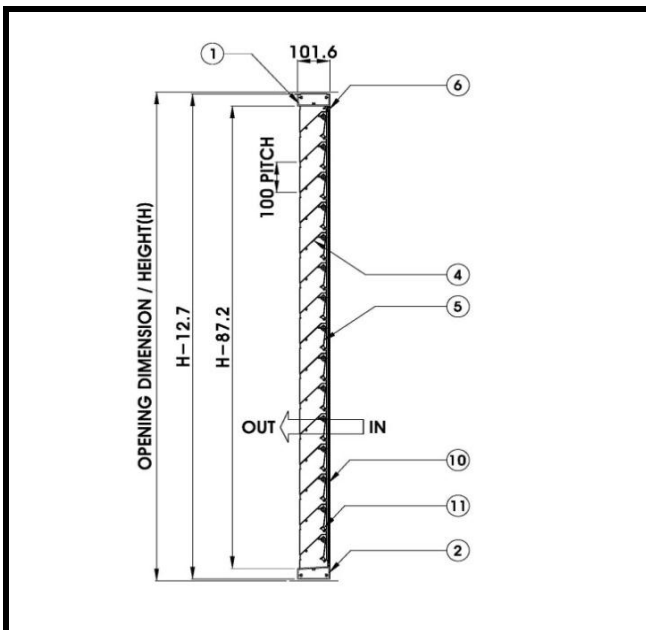
## Stationary and Adjustable Louvers

**JSA-E-100s**

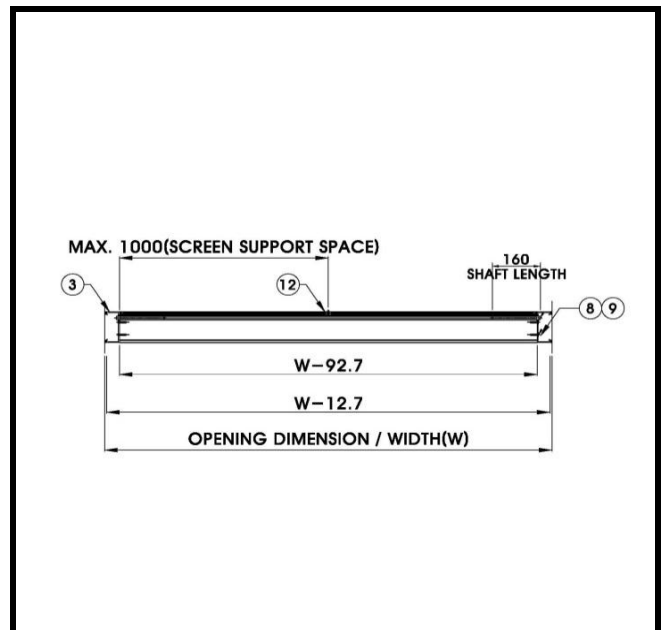
### Construction - Dimension and details

- |                |                    |                 |
|----------------|--------------------|-----------------|
| 1. UPP-FRAME   | 5. OPERATING BLADE | 9. BUSHING      |
| 2. LOW-FRAME   | 6. SCREEN FRAME    | 10. BIRD SCREEN |
| 3. SIDE FRAME  | 7. FRAME COVER     | 11. BLADE SEAL  |
| 4. FIXED BLADE | 8. SHAFT           |                 |

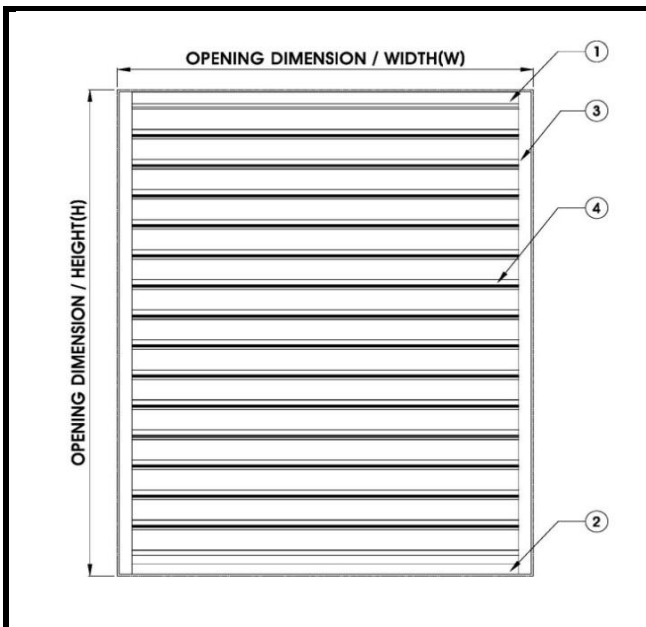
### Vertical Section



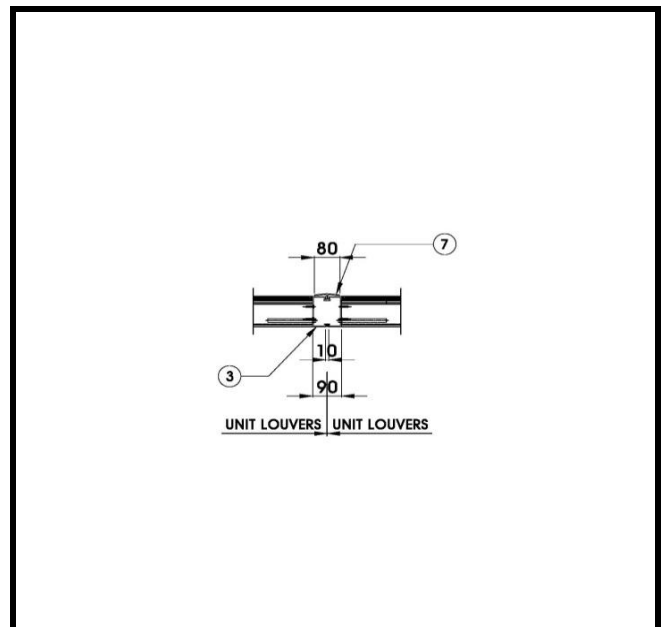
### Horizontal Section



### Louver Front View



### Mullion of Multiple Module



## Stationary and Adjustable Louvers

## JSA-F-100s



Jaesung Aluminum Co., Ltd certifies that Model JSA-F-100s Louver shown herein is licensed to bear the AMCA Seal for Model JSA-F-100s. 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 and Water Penetration and Air Leakage Ratings.

### Test Information

Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test for water penetration in accordance with ANSI/AMCA Standard 500-L-07, Figure 5.6.

## Construction Standard

### **FRAME:**

Gauge 12(3.2mm thick) formed extruded aluminum profiles.(A6063-T5)

### **BLADES:**

Gauge 15(2.0mm thick) formed extruded aluminum profiles.(A6063-T5)

### **SCREEN:**

Stainless steel bird screen 1/2"~3/4"(12~19) fixed in front or behind the blades.

Please note that Pressure Drop Data is obtained from Test without bird screen.

Pressure drop of bird screen is additive and to be calculated separately.

### **MINIMUM SIZE:**

300 X 300mm(12in X 12in) - Neck Size

### **MAXIMUM SIZE:**

2100 X 2900mm as single section(Neck Size)

2 section more module consult JAS for multiple section assembly details.

Catalog ID : JSA-F-100 July 2016

## JSA-F-100s



### **Optional Extras**

#### **\*Code A**

Finished to Anodizing.

#### **\*Code P**

Painted to PVDF.

#### **\*Code I**

Insect screen in aluminum.

#### **\*Code B**

Bird screen in stainless steel.

## Stationary and Adjustable Louvers

## JSA-F-100s



Jaesung Aluminum Co.,Ltd certifies that Model JSA-F-100s Louver shown herein is licensed to bear the AMCA Seal for Model JSA-F-100s. 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 and Water Penetration and Air Leakage Ratings.

### Test Information

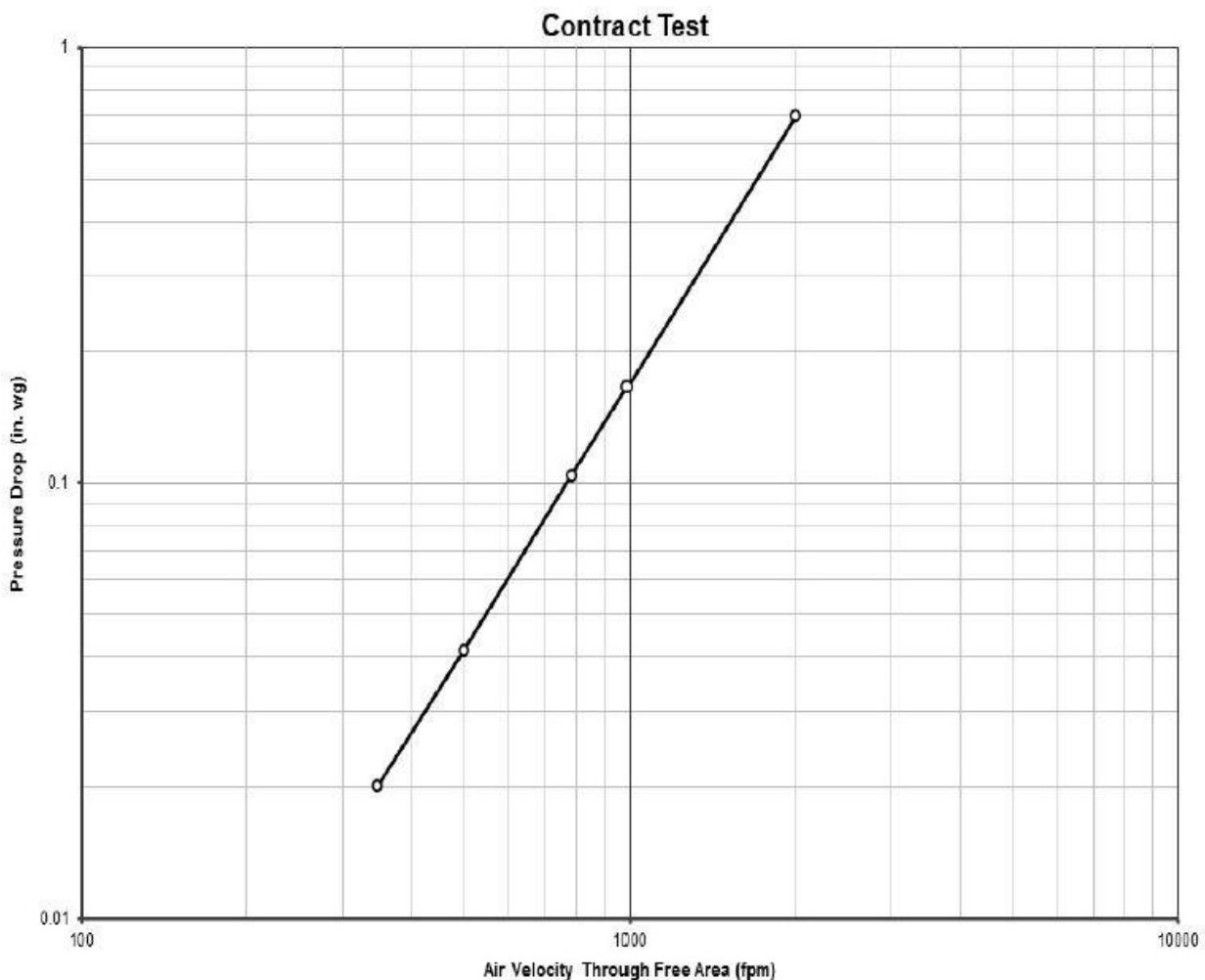
Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1). Data at standard air density.

## Air Performance

### Pressure Drop

#### Intake Air Performance

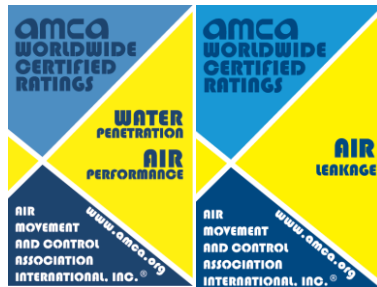


Catalog ID : JSA-F-100 July 2016



## Stationary and Adjustable Louvers

## JSA-F-100s



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The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration and Air Leakage Ratings.

### Test Information

Test for Air Performance in accordance with ANSI/AMCA Standard 500-L-12(Pressure Drop), Figure 5.5.

Test sample size is 48 in X 48 in.(W1 X H1).

## Air Performance

### Free Area Chart(Sq.Ft.)

H" \ W"	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114
12	4.3% 0.043	7.6% 0.113	9.2% 0.184	10.2% 0.255	10.8% 0.325	11.3% 0.396	11.7% 0.467	11.9% 0.538	12.0% 0.599	12.2% 0.670	12.3% 0.740	12.5% 0.811	12.6% 0.882	12.7% 0.953	12.8% 1.023	12.9% 1.094	12.9% 1.165	13.0% 1.235
18	7.6% 0.114	13.5% 0.303	16.4% 0.492	18.2% 0.681	19.3% 0.871	20.2% 1.060	20.8% 1.249	21.3% 1.438	21.4% 1.602	21.7% 1.792	22.0% 1.981	22.3% 2.170	22.5% 2.359	22.7% 2.548	22.8% 2.737	23.0% 2.927	23.1% 3.116	23.2% 3.305
24	8.9% 0.179	15.8% 0.475	19.3% 0.772	21.4% 1.068	22.7% 1.365	23.7% 1.661	24.5% 1.958	25.0% 2.254	25.1% 2.512	25.5% 2.809	25.9% 3.105	26.2% 3.402	26.4% 3.698	26.6% 3.995	26.8% 4.291	27.0% 4.588	27.1% 4.884	27.3% 5.181
30	10.7% 0.269	19.1% 0.715	23.2% 1.161	25.7% 1.607	27.4% 2.052	28.6% 2.498	29.4% 2.944	30.1% 3.390	30.2% 3.778	30.7% 4.224	31.1% 4.670	31.5% 5.116	31.8% 5.562	32.0% 6.008	32.3% 6.454	32.5% 6.900	32.6% 7.345	32.8% 7.791
36	12.0% 0.359	21.2% 0.954	25.8% 1.549	28.6% 2.145	30.4% 2.740	31.8% 3.335	32.8% 3.931	33.5% 4.526	33.6% 5.043	34.2% 5.639	34.6% 6.234	35.0% 6.830	35.4% 7.425	35.6% 8.020	35.9% 8.616	36.1% 9.211	36.3% 9.806	36.5% 10.402
42	13.8% 0.482	24.4% 1.282	29.8% 2.083	33.0% 2.883	35.1% 3.684	36.6% 4.484	37.7% 5.284	38.6% 6.085	38.7% 6.780	39.4% 7.580	39.9% 8.381	40.4% 9.181	40.7% 9.982	41.1% 10.782	41.4% 11.582	41.6% 12.383	41.9% 13.183	42.1% 13.983
48	13.9% 0.555	24.6% 1.476	30.0% 2.397	33.2% 3.318	35.3% 4.239	36.9% 5.160	38.0% 6.081	38.9% 7.002	39.0% 7.802	39.7% 8.723	40.2% 9.644	40.6% 10.565	41.0% 11.486	41.4% 12.407	41.7% 13.328	41.9% 14.249	42.1% 15.170	42.3% 16.092
54	13.9% 0.627	24.7% 1.669	30.1% 2.710	33.3% 3.751	35.5% 4.792	37.0% 5.834	38.2% 6.875	39.1% 7.916	39.2% 8.821	39.8% 9.862	40.4% 10.903	40.8% 11.945	41.2% 12.986	41.6% 14.027	41.9% 15.069	42.1% 16.110	42.3% 17.151	42.6% 18.192
60	14.0% 0.700	24.8% 1.862	30.2% 3.024	33.5% 4.186	35.7% 5.348	37.2% 6.510	38.4% 7.672	39.3% 8.834	39.4% 9.843	40.0% 11.005	40.6% 12.167	41.0% 13.329	41.4% 14.491	41.7% 15.653	42.0% 16.815	42.3% 17.977	42.5% 19.139	42.7% 20.300
66	14.0% 0.773	24.9% 2.055	30.3% 3.338	33.6% 4.620	35.8% 5.903	37.3% 7.186	38.5% 8.468	39.4% 9.751	39.5% 10.865	40.2% 12.148	40.7% 13.430	41.2% 14.713	41.5% 15.996	41.9% 17.278	42.2% 18.561	42.4% 19.843	42.7% 21.126	42.9% 22.409
72	14.1% 0.845	25.0% 2.249	30.4% 3.652	33.7% 5.055	35.9% 6.458	37.4% 7.862	38.6% 9.265	39.5% 10.668	39.6% 11.887	40.3% 13.291	40.8% 14.694	41.3% 16.097	41.7% 17.500	42.0% 18.904	42.3% 20.307	42.6% 21.710	42.8% 23.113	43.0% 24.517
78	14.1% 0.918	25.0% 2.441	30.5% 3.965	33.8% 5.488	36.0% 7.012	37.5% 8.535	38.7% 10.059	39.6% 11.582	39.7% 12.906	40.4% 14.429	40.9% 15.953	41.4% 17.476	41.8% 19.000	42.1% 20.523	42.4% 22.047	42.7% 23.570	42.9% 25.094	43.1% 26.618
84	14.1% 0.989	25.0% 2.630	30.5% 4.271	33.8% 5.912	36.0% 7.554	37.5% 9.195	38.7% 10.836	39.6% 12.477	39.7% 13.903	40.4% 15.545	40.9% 17.186	41.4% 18.827	41.8% 20.468	42.1% 22.110	42.4% 23.751	42.7% 25.392	42.9% 27.033	43.1% 28.675

## Stationary and Adjustable Louvers

## JSA-F-100s



Jaesung Aluminum Co.,Ltd certifies that Model JSA-F-100s Louver shown herein is licensed to bear the AMCA Seal for Model JSA-F-100s. 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.

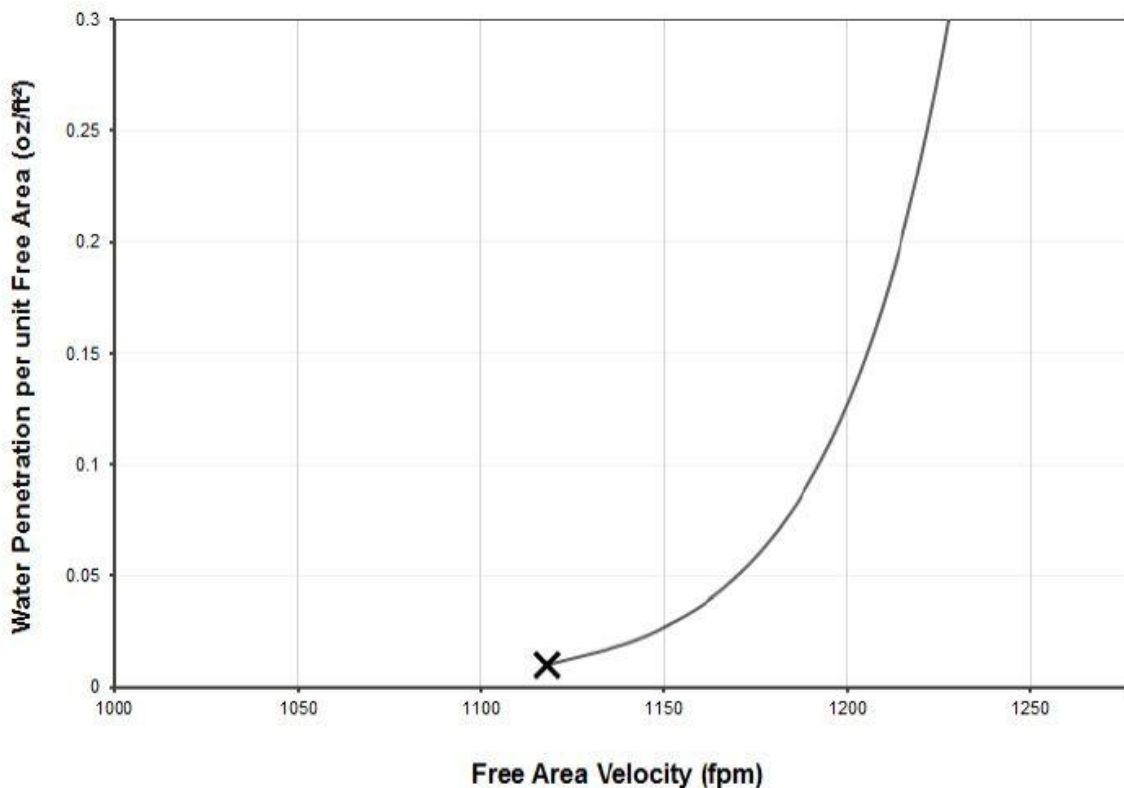
The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration and Air Leakage Ratings.

### Test Information

Test sample size is 48 in X 48 in.(W1 X H1). Test Period 15 minutes. Data at standard air density.

## Water Penetration

### JSA-F-100s



— Water Penetration per Free Area    x Beginning of Water Penetration

The beginning point of water penetration for Model JSA-F-100s is 1116.7 fpm free area velocity.

## Stationary and Adjustable Louvers

## JSA-F-100s



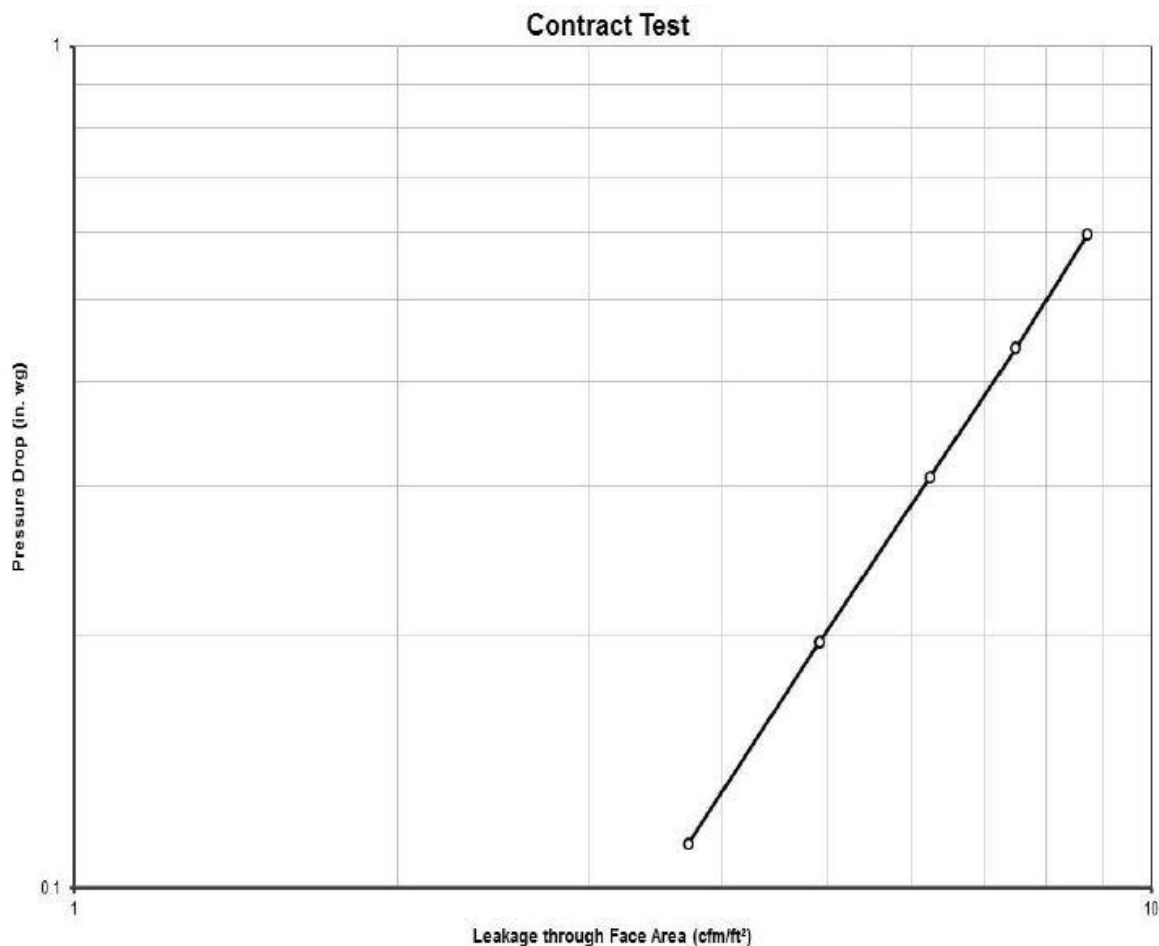
Jaesung Aluminum Co., Ltd certifies that Model JSA-F-100s Louver shown herein is licensed to bear the AMCA Seal for Model JSA-F-100s. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration and Air Leakage Ratings.

### Test Information

Test Figure 5.4. Test sample size is 48 in X 48 in. Data at standard air density. Air leakage is based on operation between 10°C – 40°C. Data are based on a torque of 3.8 in.-lb/ft<sup>2</sup> applied to close and seat the damper during the test.

## Air Leakage

### Intake Leakage



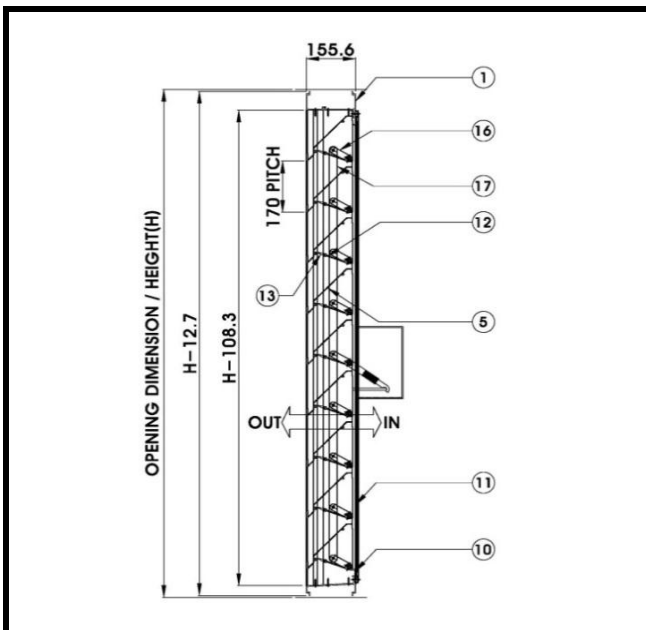
## Stationary and Adjustable Louvers

**JSA-F-100s**

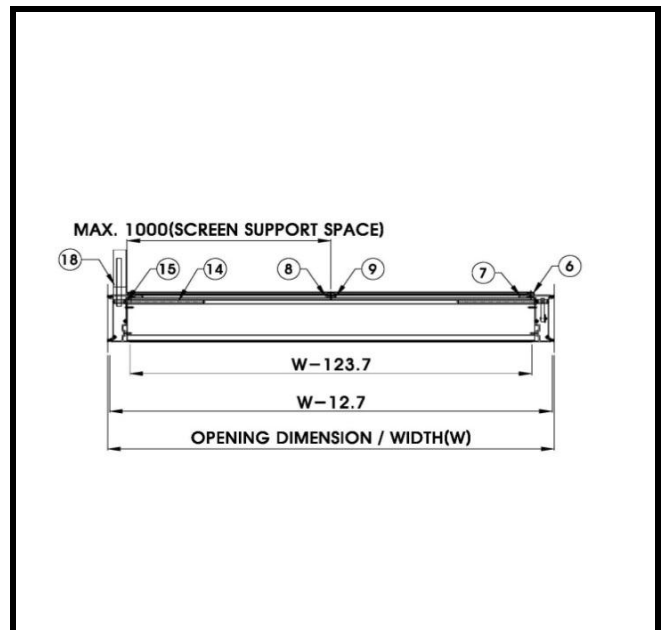
### Construction - Dimension and details

1. UPP-FRAME	5. FIXED BLAED	9. SCREEN SUPPORT BAR	13. BLADE SEAL
2. LOW-FRAME	6. SCREEN BAR	10. LOW-BAFFLE	14. SHAFT 15. BUSHING
3. SIDE FRAME	7. SIDE BAFFLE	11. BIRD SCREEN	16. LINK ARM 17. LINKAGE
4. SIDE FRAME-1	8. SCREEN SUPPORT	12. OPERATING BLADE	18. HANDEL

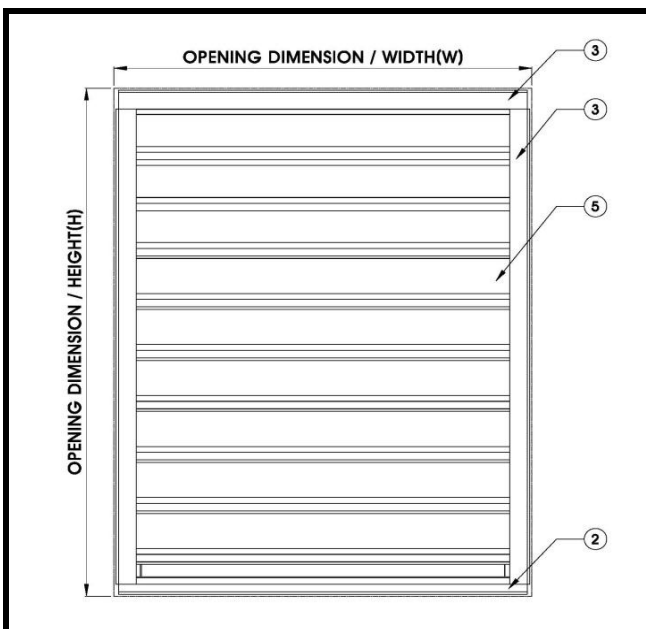
### Vertical Section



### Horizontal Section



### Louver Front View



### Mullion of Multiple Module

