

## WLE-601 Wind-Driven Rain Louver

### Application

FlowTech's WLE-601 Wind-Driven Rain Louver is specially designed for high ability to water-penetration. The WLE-601 can effectively block water from penetrating through spaces between blades due to the good design of drainable blade shape, therefore secure the indoor possessions.

### Standard Construction

**Frame** Extruded 6063-T5 aluminum of 2.0 mm thickness

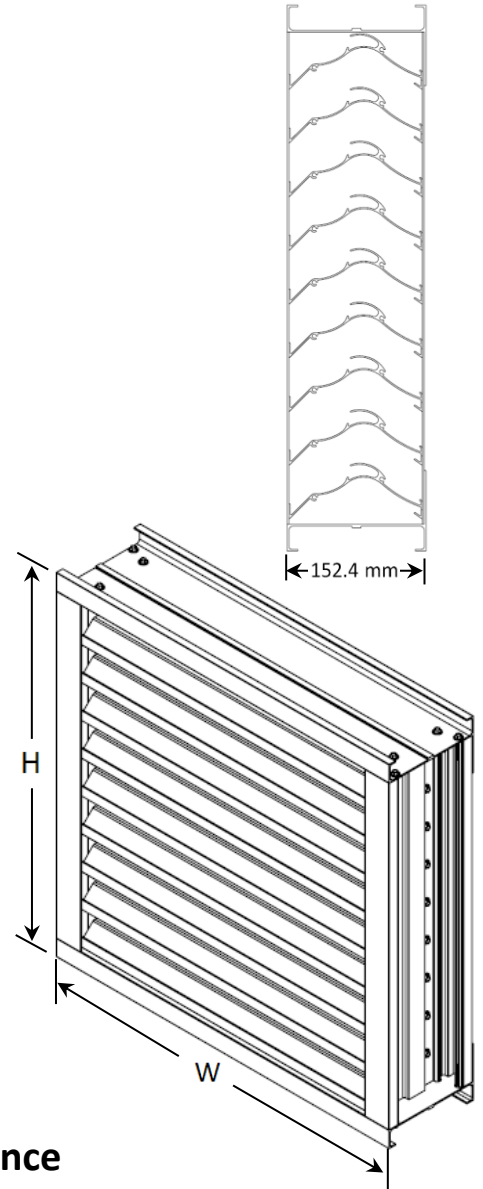
**Blade** Extruded 6063-T5 of 1.5 mm thickness, positioned on approximately 60 mm blade spacing

**Minimum Size** 8 in.(203 mm) W x 7 in.(178mm) H

**Maximum Size** 72 in.(1829 mm) W. x 96 in.(2438 mm) H

### Options

- A variety of bird and insect screens
- Filter rack
- Flanged Frame
- A variety of surface finish
- Sill pan



### Wind-Driven Rain Performance

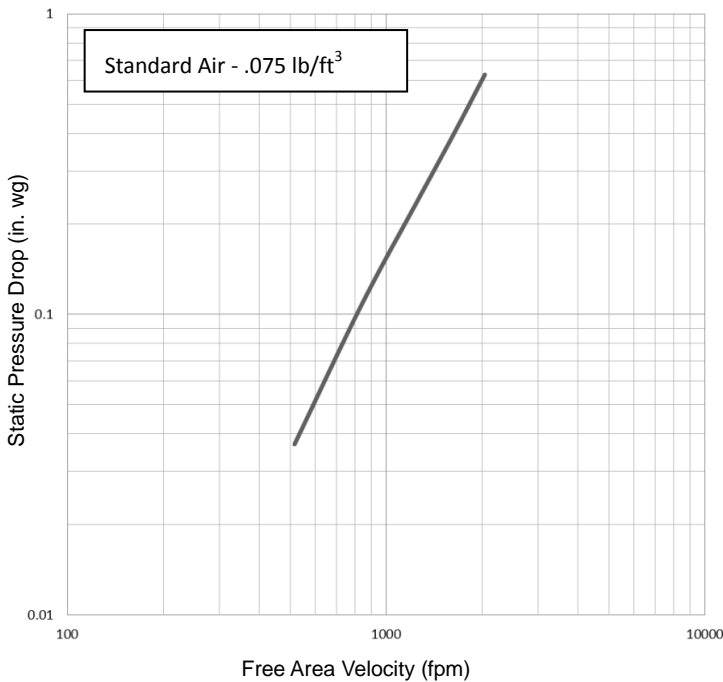
76 mm/hr Rainfall & 13 m/s Wind Velocity				203 mm/hr Rainfall & 22 m/s Wind Velocity			
Core Velocity		Water Penetration		Core Velocity		Water Penetration	
fpm	m/s	Class	Effective	Fpm	m/s	Class	Effective
0	0	A	100	0	0	B	97.4
131	0.67	A	100	131	0.67	B	96.7
214	1.09	A	100	214	1.09	B	95.8
324	1.65	A	100	324	1.65	C	94.3
391	1.99	A	100	398	2.02	C	93.5
496	2.52	A	100	485	2.46	C	91.7
589	2.99	A	99.6	594	3.02	C	89.2
691	3.51	A	99.2	669	3.40	C	87.5
795	4.04	B	98.7	768	3.90	C	83.4
862	4.38	B	98.3	872	4.43	D	75.9

Discharge Loss Coefficient Classifications	
Class	Discharge Loss Coefficient
1	0.4 and Above
2	0.3 to 0.399
3	0.2 to 0.299
4	0.199 and Below

Wind-driven Rain Penetration Classifications	
Class	Effectiveness
A	1 to 0.99
B	0.989 to 0.95
C	0.949 to 0.80
D	Below 0.80

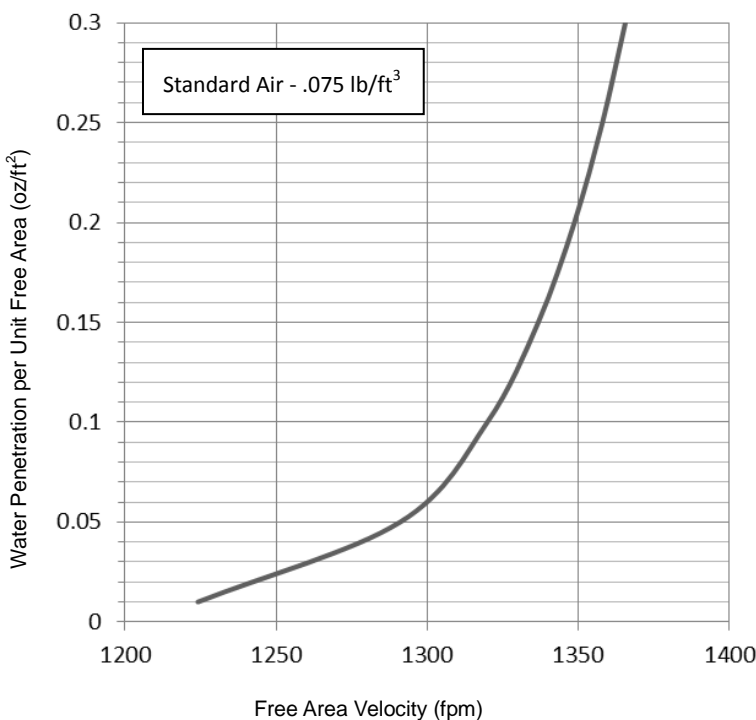
\*WLE-601 Discharge Loss Coefficient Class (Exhaust) = 2

## Air Performance



1. Tested in accordance with ANSI/AMCA 500-L, Figure 5.5
2. Test sample size is 48 in. x 48 in.
3. Data are based on exhaust performance.

## Water Penetration



1. Tested in accordance with ANSI/AMCA 500-L, Figure 5.6
2. Test sample size is 48 in. x 48 in.
3. The beginning point of water penetration is 1231.5 fpm.
4. Test Duration 15 min.

### Free Area Chart (sq. m.)

Height (m)	Width (m)												
	0.610	0.762	0.914	1.067	<b>1.219</b>	1.372	1.524	1.676	1.829	1.981	2.134	2.286	2.438
0.610	0.144	0.187	0.229	0.271	0.314	0.356	0.399	0.441	0.483	0.526	0.568	0.610	0.653
0.762	0.203	0.262	0.322	0.381	0.441	0.500	0.560	0.619	0.679	0.738	0.797	0.857	0.916
0.914	0.242	0.313	0.383	0.454	0.525	0.596	0.667	0.738	0.809	0.880	0.951	1.021	1.092
1.067	0.300	0.388	0.476	0.564	0.652	0.740	0.828	0.916	1.004	1.092	1.180	1.268	1.356
<b>1.219</b>	0.339	0.438	0.538	0.637	<b>0.737</b>	0.836	0.935	1.035	1.134	1.234	1.333	1.432	1.532
1.372	0.397	0.514	0.630	0.747	0.863	0.980	1.096	1.213	1.330	1.446	1.563	1.679	1.796
1.524	0.436	0.564	0.692	0.820	0.948	1.076	1.204	1.332	1.460	1.588	1.716	1.844	1.972
1.676	0.495	0.640	0.785	0.930	1.075	1.220	1.365	1.510	1.655	1.800	1.945	2.090	2.235
1.829	0.533	0.690	0.846	1.003	1.159	1.316	1.472	1.629	1.785	1.942	2.098	2.255	2.411
1.981	0.592	0.765	0.939	1.113	1.286	1.460	1.633	1.807	1.981	2.154	2.328	2.501	2.675
2.134	0.631	0.816	1.001	1.186	1.371	1.556	1.741	1.926	2.111	2.296	2.481	2.666	2.851
2.286	0.689	0.891	1.093	1.295	1.498	1.700	1.902	2.104	2.306	2.508	2.710	2.912	3.115
2.438	0.728	0.942	1.155	1.369	1.582	1.796	2.009	2.223	2.436	2.650	2.863	3.077	3.290

### Core Area Chart (sq. m.)

Height(m)	Width (m)												
	0.610	0.762	0.914	1.067	<b>1.219</b>	1.372	1.524	1.676	1.829	1.981	2.134	2.286	2.438
0.610	0.286	0.369	0.453	0.537	0.621	0.704	0.788	0.872	0.956	1.039	1.123	1.207	1.291
0.762	0.365	0.472	0.579	0.686	0.793	0.900	1.007	1.114	1.221	1.328	1.435	1.542	1.649
0.914	0.444	0.574	0.704	0.835	0.965	1.095	1.225	1.355	1.486	1.616	1.746	1.876	2.006
1.067	0.523	0.677	0.830	0.983	1.137	1.290	1.444	1.597	1.751	1.904	2.057	2.211	2.364
<b>1.219</b>	0.602	0.779	0.956	1.132	<b>1.309</b>	1.486	1.662	1.839	2.016	2.192	2.369	2.546	2.722
1.372	0.682	0.881	1.081	1.281	1.481	1.681	1.881	2.081	2.281	2.480	2.680	2.880	3.080
1.524	0.761	0.984	1.207	1.430	1.653	1.876	2.099	2.322	2.546	2.769	2.992	3.215	3.438
1.676	0.840	1.086	1.333	1.579	1.825	2.072	2.318	2.564	2.811	3.057	3.303	3.550	3.796
1.829	0.919	1.189	1.458	1.728	1.997	2.267	2.536	2.806	3.076	3.345	3.615	3.884	4.154
1.981	0.998	1.291	1.584	1.877	2.169	2.462	2.755	3.048	3.341	3.633	3.926	4.219	4.512
2.134	1.077	1.393	1.709	2.025	2.342	2.658	2.974	3.290	3.606	3.922	4.238	4.554	4.870
2.286	1.157	1.496	1.835	2.174	2.514	2.853	3.192	3.531	3.871	4.210	4.549	4.888	5.228
2.438	1.236	1.598	1.961	2.323	2.686	3.048	3.411	3.773	4.136	4.498	4.860	5.223	5.585