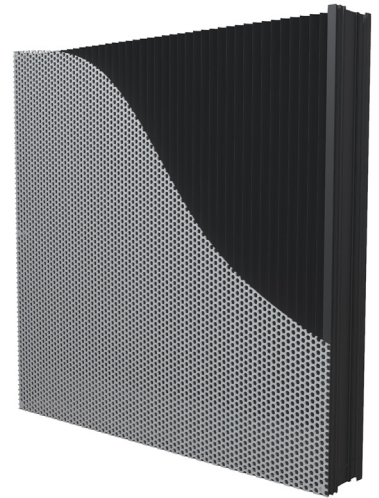
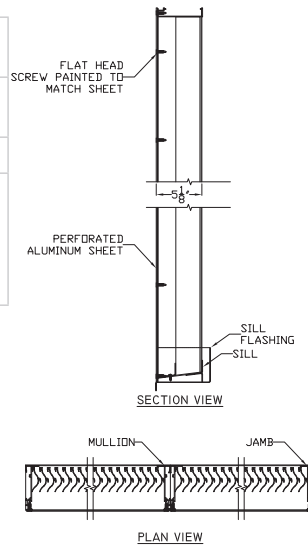


**Model DCPL-3704 - 3/8" (9.5 mm) Hole Pattern**  
**5.375" (136.5 mm) Perforated Vertical Storm Resistant Dade County Hurricane Louver**

**Material:**

<b>Material:</b>	Louver 6063-T6 Alloy Perforated Sheet 3003 H14 aluminum
<b>Nominal Thickness (heads, sills, jamps, &amp; mullions):</b>	0.08" (2.03 mm)
<b>Nominal Blade Thickness:</b>	0.05" (1.27 mm)
<b>Additional Options (at additional cost):</b>	Rear bird or Insect screen Continuous clip angles for attachment Sheet blank off, Insulated blank off Sill pans, Flange frames Integrated glazing frames

PATENT PENDING  
NOA PENDING



**Test Summary:**  
**For a 4 Foot by 4 Foot Unit.**

*Tested with mill finish and no rear bird or insect screen*

- Free area = 7.66 ft<sup>2</sup> (0.71 m<sup>2</sup>)
- Percent free area = 47.9%
- Intake pressure drop at 1000 FPM free area velocity = 0.18 in. H<sub>2</sub>O (44.9 Pa)
- To maintain a CLASS A (99%) effectiveness rating\* with:
  - a 50 mph wind speed and rainfall rate of 8 in/hr
    - Max. intake core velocity 5.0 m/s (981 FPM)
    - Max. intake free area velocity 9.8 m/s (1,932 FPM)

**Discharge Coefficient**  
 Intake Cd = 0.36 (Class 2)

**Dade County Protocols:**

- TAS-201: Large and small missile impact (**Missile Level E**)
- TAS-202: Criteria for testing impact and not impact resistant building envelope components using static uniform air pressure
- TAS-203: Criteria for testing products subject to cyclic wind pressure

**Application and Design**

Model DCPL-3704 (3/8" holes) is tested to and passed AMCA 550 High Velocity Wind Driven Rain Resistant Louvers in the fully open position that permits airflow through the louver.

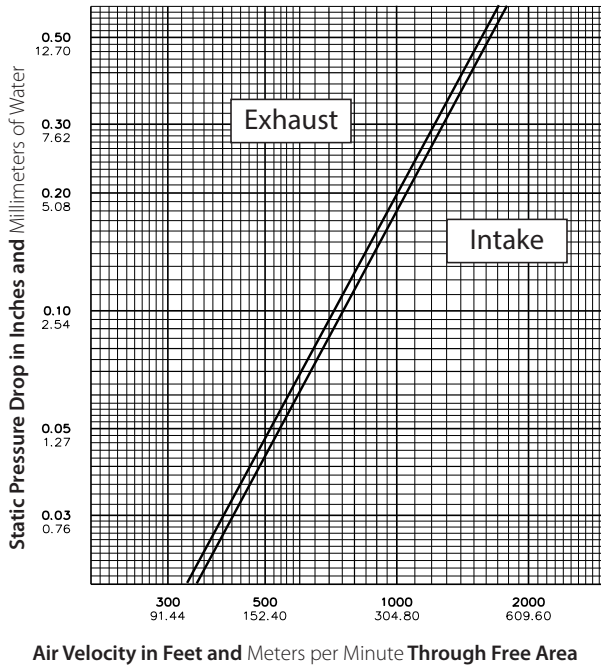
**Wind Driven Rain Performance: Tested with 1m<sup>2</sup> core area, mill finish and no rear bird or insect screen\***

The louver test was based on a 39.370" (1.0 m) x 39.370" (1.0 m) core area unit tested at a rainfall rate of 8" per hour (203 mm) and a wind velocity of 50 mph (22.3 m/s). The test data shall show the water penetration effectiveness rating at each corresponding ventilation rate.

50 mph (22.3 m/s) & 8" (203 mm) rain per hour

<b>Core Velocity Through Cal. Plate (m/s):</b>	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
<b>Core Velocity Through Louver (ft/min):</b>	0	98	197	295	392	491	588	687	784	883	981
<b>Free Area Velocity (ft/min):</b>	0	194	388	582	772	967	1159	1353	1545	1739	1932
<b>Rating Effectiveness:</b>	A	A	A	A	A	A	A	A	A	A	A
<b>Effectiveness Ratio (%):</b>											100.0
<b>Effectiveness Rating:</b>	A = 1 to 0.99			B = 0.989 to 0.95			C = 0.949 to 0.80			D = Below 0.80	

**Model DCPL-3704 - 3/8" (9.5 mm) Hole Pattern  
5.375" (136.5 mm) Perforated Vertical Storm Resistant Dade County Hurricane Louver**



Air Velocity in Feet and Meters per Minute Through Free Area

Data corrected to standard air density.  
48" x 48" (121.92cm x 121.92cm).

**Free Area Table** (Free area in sq. feet and sq. meters)

For additional sizes, please visit:

<https://www.c-sgroup.com/architectural-louvers/louvers-airflow-tool>

**Width in Inches and Meters**

	18	24	30	36	42	48	54	60
	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
<b>18</b>	<b>0.85</b>	<b>1.18</b>	<b>1.51</b>	<b>1.84</b>	<b>2.17</b>	<b>2.51</b>	<b>2.77</b>	<b>3.10</b>
0.46	0.08	0.11	0.14	0.17	0.20	0.23	0.26	0.29
<b>24</b>	<b>1.20</b>	<b>1.67</b>	<b>2.14</b>	<b>2.60</b>	<b>3.07</b>	<b>3.54</b>	<b>3.91</b>	<b>4.37</b>
0.61	0.11	0.16	0.20	0.24	0.29	0.33	0.36	0.41
<b>30</b>	<b>1.56</b>	<b>2.16</b>	<b>2.76</b>	<b>3.36</b>	<b>3.97</b>	<b>4.57</b>	<b>5.05</b>	<b>5.65</b>
0.76	0.14	0.20	0.26	0.31	0.37	0.42	0.47	0.52
<b>36</b>	<b>1.91</b>	<b>2.65</b>	<b>3.38</b>	<b>4.12</b>	<b>4.86</b>	<b>5.60</b>	<b>6.18</b>	<b>6.92</b>
0.91	0.18	0.25	0.31	0.38	0.45	0.52	0.57	0.64
<b>42</b>	<b>2.26</b>	<b>3.13</b>	<b>4.01</b>	<b>4.88</b>	<b>5.76</b>	<b>6.63</b>	<b>7.32</b>	<b>8.20</b>
1.07	0.21	0.29	0.37	0.45	0.53	0.62	0.68	0.76
<b>48</b>	<b>2.61</b>	<b>3.62</b>	<b>4.63</b>	<b>5.64</b>	<b>6.65</b>	<b>7.66</b>	<b>8.46</b>	<b>9.47</b>
1.22	0.24	0.34	0.43	0.52	0.62	0.71	0.79	0.88
<b>54</b>	<b>3.02</b>	<b>4.19</b>	<b>5.37</b>	<b>6.54</b>	<b>7.71</b>	<b>8.88</b>	<b>9.80</b>	<b>10.97</b>
1.37	0.28	0.39	0.50	0.61	0.72	0.82	0.91	1.02
<b>60</b>	<b>3.26</b>	<b>4.53</b>	<b>5.79</b>	<b>7.05</b>	<b>8.32</b>	<b>9.58</b>	<b>10.58</b>	<b>11.84</b>
1.52	0.30	0.42	0.54	0.66	0.77	0.89	0.98	1.10
<b>66</b>	<b>3.61</b>	<b>5.01</b>	<b>6.41</b>	<b>7.81</b>	<b>9.21</b>	<b>10.61</b>	<b>11.72</b>	<b>13.12</b>
1.68	0.34	0.47	0.60	0.73	0.86	0.99	1.09	1.22
<b>72</b>	<b>3.97</b>	<b>5.50</b>	<b>7.04</b>	<b>8.57</b>	<b>10.11</b>	<b>11.64</b>	<b>12.86</b>	<b>14.39</b>
1.83	0.37	0.51	0.65	0.80	0.94	1.08	1.19	1.34
<b>78</b>	<b>4.32</b>	<b>5.99</b>	<b>7.66</b>	<b>9.33</b>	<b>11.00</b>	<b>12.67</b>	<b>14.00</b>	<b>15.67</b>
1.98	0.40	0.56	0.71	0.87	1.02	1.18	1.30	1.46
<b>84</b>	<b>4.67</b>	<b>6.48</b>	<b>8.28</b>	<b>10.09</b>	<b>11.90</b>	<b>13.70</b>	<b>15.14</b>	<b>16.94</b>
2.13	0.43	0.60	0.77	0.94	1.11	1.27	1.41	1.57
<b>90</b>	<b>5.02</b>	<b>6.96</b>	<b>8.91</b>	<b>10.85</b>	<b>12.79</b>	<b>14.74</b>	<b>16.27</b>	<b>18.22</b>
2.29	0.47	0.65	0.83	1.01	1.19	1.37	1.51	1.69
<b>96</b>	<b>5.43</b>	<b>7.54</b>	<b>9.64</b>	<b>11.74</b>	<b>13.85</b>	<b>15.95</b>	<b>17.62</b>	<b>19.72</b>
2.44	0.50	0.70	0.90	1.09	1.29	1.48	1.64	1.83
<b>102</b>	<b>5.67</b>	<b>7.87</b>	<b>10.06</b>	<b>12.26</b>	<b>14.46</b>	<b>16.65</b>	<b>18.39</b>	<b>20.59</b>
2.59	0.53	0.73	0.94	1.14	1.34	1.55	1.71	1.91
<b>108</b>	<b>6.02</b>	<b>8.36</b>	<b>10.69</b>	<b>13.02</b>	<b>15.35</b>	<b>17.68</b>	<b>19.53</b>	<b>21.86</b>
2.74	0.56	0.78	0.99	1.21	1.43	1.64	1.81	2.03
<b>114</b>	<b>6.38</b>	<b>8.84</b>	<b>11.31</b>	<b>13.78</b>	<b>16.25</b>	<b>18.71</b>	<b>20.67</b>	<b>23.14</b>
2.90	0.59	0.82	1.05	1.28	1.51	1.74	1.92	2.15
<b>120</b>	<b>6.73</b>	<b>9.33</b>	<b>11.93</b>	<b>14.54</b>	<b>17.14</b>	<b>19.75</b>	<b>21.81</b>	<b>24.41</b>
3.05	0.62	0.87	1.11	1.35	1.59	1.83	2.03	2.27

Height in Inches and Meters

Upper Numerals English Units/Lower Numerals Metric Units