

**Model RS-5605**  
**5" (127.0 mm) Storm Resistant Fixed Vertical Louver**

**Material:**

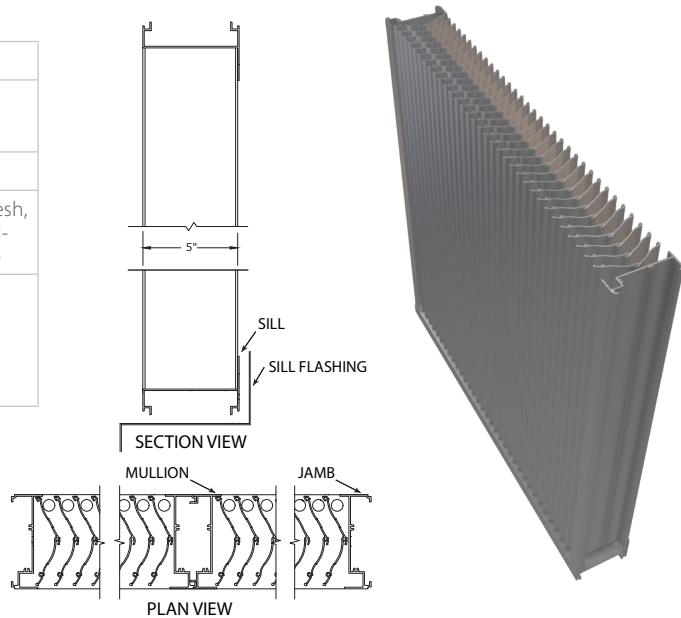
<b>Material:</b>	6063-T6 Alloy
<b>Nominal Thickness:</b>	Heads & Sills: 0.080" (2.03 mm) Jambes & Mullions: 0.125" (3.18 mm)
<b>Nominal Blade Thickness:</b>	0.060" (1.52 mm)
<b>Furnished With:</b>	Birdscreen: ½" intercrimp aluminum mesh, 0.063" diameter wire removeable aluminum bird screen in an aluminum frame
<b>Additional Options (at additional cost):</b>	Insect screen (in lieu of bird screen), Continuous clip angles for attachment Sheet blank off, Insulated blank off Sill pans, Flange frames Integrated glazing frames

**Test Summary:**

**For a 4 Foot by 4 Foot Unit.**

*Tested with mill finish and no screen*

- Free area = 9.46 ft<sup>2</sup> (0.88 m<sup>2</sup>)
- Percent free area = 59.2%
- Intake Pressure Drop at 1,000 FPM free area velocity = 0.10 in H<sub>2</sub>O (24.8Pa)
- 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 (984 FPM)
    - Max. intake free area velocity 7.62 m/s (1500 FPM)



**Discharge Coefficient**  
 Intake Cd = 0.53 (Class 1)  
 AMCA certifies the coefficient class only



**Construction Specialties Inc. certifies that the louver model RS-5605 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 wind driven rain and air performance ratings.

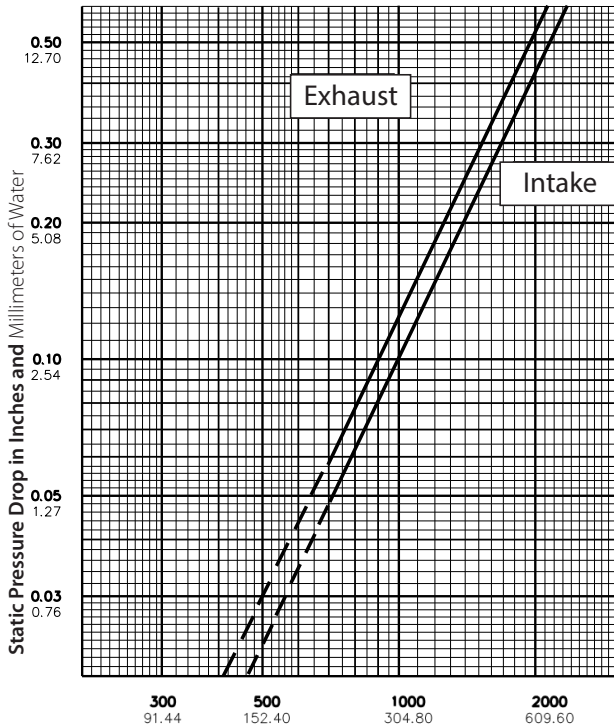


**Wind Driven Rain Performance: Tested with 1m<sup>2</sup> core area, mill finish and no screen\***

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	4.9
<b>Core Velocity Through Louver (ft/min):</b>	0	98	197	295	394	492	591	689	787	886	984
<b>Free Area Velocity (ft/min):</b>	0	149	300	450	601	750	901	1051	1200	1351	1500
<b>Rating Effectiveness:</b>	A	A	A	A	A	A	A	A	A	A	A
<b>Effectiveness Ratio (%):</b>									100	99.9	99.9
<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	

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Air Velocity in Feet and Meters per Minute Through Free Area

Data corrected to standard air density.  
 48" x 48" louver tested to figure 5.5.

**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>

Height in Inches and Meters	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>0.93</b>	<b>1.33</b>	<b>1.72</b>	<b>2.12</b>	<b>2.52</b>	<b>2.92</b>	<b>3.31</b>	<b>3.71</b>
0.46	0.09	0.12	0.16	0.20	0.23	0.27	0.31	0.34
<b>24</b>	<b>1.34</b>	<b>1.92</b>	<b>2.50</b>	<b>3.07</b>	<b>3.65</b>	<b>4.22</b>	<b>4.80</b>	<b>5.38</b>
0.61	0.12	0.18	0.23	0.29	0.34	0.39	0.45	0.50
<b>30</b>	<b>1.76</b>	<b>2.51</b>	<b>3.27</b>	<b>4.02</b>	<b>4.78</b>	<b>5.53</b>	<b>6.29</b>	<b>7.04</b>
0.76	0.16	0.23	0.30	0.37	0.44	0.51	0.58	0.65
<b>36</b>	<b>2.18</b>	<b>3.11</b>	<b>4.04</b>	<b>4.97</b>	<b>5.91</b>	<b>6.84</b>	<b>7.77</b>	<b>8.71</b>
0.91	0.20	0.29	0.38	0.46	0.55	0.64	0.72	0.81
<b>42</b>	<b>2.59</b>	<b>3.70</b>	<b>4.81</b>	<b>5.93</b>	<b>7.04</b>	<b>8.15</b>	<b>9.26</b>	<b>10.37</b>
1.07	0.24	0.34	0.45	0.55	0.65	0.76	0.86	0.96
<b>48</b>	<b>3.01</b>	<b>4.30</b>	<b>5.59</b>	<b>6.88</b>	<b>8.17</b>	<b>9.46</b>	<b>10.75</b>	<b>12.04</b>
1.22	0.28	0.40	0.52	0.64	0.76	0.88	1.00	1.12
<b>54</b>	<b>3.42</b>	<b>4.89</b>	<b>6.36</b>	<b>7.83</b>	<b>9.30</b>	<b>10.76</b>	<b>12.23</b>	<b>13.70</b>
1.37	0.32	0.45	0.59	0.73	0.86	1.00	1.14	1.27
<b>60</b>	<b>3.84</b>	<b>5.49</b>	<b>7.13</b>	<b>8.78</b>	<b>10.43</b>	<b>12.07</b>	<b>13.72</b>	<b>15.36</b>
1.52	0.36	0.51	0.66	0.82	0.97	1.12	1.27	1.43
<b>66</b>	<b>4.26</b>	<b>6.08</b>	<b>7.91</b>	<b>9.73</b>	<b>11.56</b>	<b>13.38</b>	<b>15.21</b>	<b>17.03</b>
1.68	0.40	0.57	0.73	0.90	1.07	1.24	1.41	1.58
<b>72</b>	<b>4.67</b>	<b>6.68</b>	<b>8.68</b>	<b>10.68</b>	<b>12.69</b>	<b>14.69</b>	<b>16.69</b>	<b>18.69</b>
1.83	0.43	0.62	0.81	0.99	1.18	1.36	1.55	1.74
<b>78</b>	<b>5.09</b>	<b>7.27</b>	<b>9.45</b>	<b>11.63</b>	<b>13.82</b>	<b>16.00</b>	<b>18.18</b>	<b>20.36</b>
1.98	0.47	0.68	0.88	1.08	1.28	1.49	1.69	1.89
<b>84</b>	<b>5.51</b>	<b>7.87</b>	<b>10.23</b>	<b>12.59</b>	<b>14.94</b>	<b>17.30</b>	<b>19.66</b>	<b>22.02</b>
2.13	0.51	0.73	0.95	1.17	1.39	1.61	1.83	2.05
<b>90</b>	<b>5.71</b>	<b>8.16</b>	<b>10.61</b>	<b>13.06</b>	<b>15.51</b>	<b>17.96</b>	<b>20.41</b>	<b>22.86</b>
2.29	0.53	0.76	0.99	1.21	1.44	1.67	1.90	2.12
<b>96</b>	<b>6.13</b>	<b>8.76</b>	<b>11.38</b>	<b>14.01</b>	<b>16.64</b>	<b>19.27</b>	<b>21.89</b>	<b>24.52</b>
2.44	0.57	0.81	1.06	1.30	1.55	1.79	2.03	2.28
<b>102</b>	<b>6.55</b>	<b>9.35</b>	<b>12.16</b>	<b>14.96</b>	<b>17.77</b>	<b>20.57</b>	<b>23.38</b>	<b>26.19</b>
2.59	0.61	0.87	1.13	1.39	1.65	1.91	2.17	2.43
<b>108</b>	<b>6.96</b>	<b>9.95</b>	<b>12.93</b>	<b>15.91</b>	<b>18.90</b>	<b>21.88</b>	<b>24.87</b>	<b>27.85</b>
2.74	0.65	0.92	1.20	1.48	1.76	2.03	2.31	2.59
<b>114</b>	<b>7.38</b>	<b>10.54</b>	<b>13.70</b>	<b>16.87</b>	<b>20.03</b>	<b>23.19</b>	<b>26.35</b>	<b>29.52</b>
2.90	0.69	0.98	1.27	1.57	1.86	2.15	2.45	2.74
<b>120</b>	<b>7.79</b>	<b>11.14</b>	<b>14.48</b>	<b>17.82</b>	<b>21.16</b>	<b>24.50</b>	<b>27.84</b>	<b>31.18</b>
3.05	0.72	1.03	1.34	1.66	1.97	2.28	2.59	2.90
<b>126</b>	<b>8.21</b>	<b>11.73</b>	<b>15.25</b>	<b>18.77</b>	<b>22.29</b>	<b>25.81</b>	<b>29.33</b>	<b>32.85</b>
3.20	0.76	1.09	1.42	1.74	2.07	2.40	2.72	3.05
<b>132</b>	<b>8.63</b>	<b>12.32</b>	<b>16.02</b>	<b>19.72</b>	<b>23.42</b>	<b>27.12</b>	<b>30.81</b>	<b>34.51</b>
3.35	0.80	1.15	1.49	1.83	2.18	2.52	2.86	3.21
<b>138</b>	<b>9.04</b>	<b>12.92</b>	<b>16.80</b>	<b>20.67</b>	<b>24.55</b>	<b>28.42</b>	<b>32.30</b>	<b>36.17</b>
3.51	0.84	1.20	1.56	1.92	2.28	2.64	3.00	3.36
<b>144</b>	<b>9.46</b>	<b>13.51</b>	<b>17.57</b>	<b>21.62</b>	<b>25.68</b>	<b>29.73</b>	<b>33.79</b>	<b>37.84</b>
3.66	0.88	1.26	1.63	2.01	2.39	2.76	3.14	3.52
<b>150</b>	<b>9.88</b>	<b>14.11</b>	<b>18.34</b>	<b>22.57</b>	<b>26.81</b>	<b>31.04</b>	<b>35.27</b>	<b>39.50</b>
3.81	0.92	1.31	1.70	2.10	2.49	2.88	3.28	3.67
<b>156</b>	<b>10.29</b>	<b>14.70</b>	<b>19.11</b>	<b>23.53</b>	<b>27.94</b>	<b>32.35</b>	<b>36.76</b>	<b>41.17</b>
3.96	0.96	1.37	1.78	2.19	2.60	3.01	3.41	3.82
<b>162</b>	<b>10.71</b>	<b>15.30</b>	<b>19.89</b>	<b>24.48</b>	<b>29.07</b>	<b>33.66</b>	<b>38.24</b>	<b>42.83</b>
4.11	0.99	1.42	1.85	2.27	2.70	3.13	3.55	3.98
<b>168</b>	<b>11.12</b>	<b>15.89</b>	<b>20.66</b>	<b>25.43</b>	<b>30.20</b>	<b>34.96</b>	<b>39.73</b>	<b>44.50</b>
4.27	1.03	1.48	1.92	2.36	2.81	3.25	3.69	4.13
<b>174</b>	<b>11.33</b>	<b>16.19</b>	<b>21.05</b>	<b>25.90</b>	<b>30.76</b>	<b>35.62</b>	<b>40.47</b>	<b>45.33</b>
4.42	1.05	1.50	1.96	2.41	2.86	3.31	3.76	4.21
<b>180</b>	<b>11.75</b>	<b>16.78</b>	<b>21.82</b>	<b>26.85</b>	<b>31.89</b>	<b>36.93</b>	<b>41.96</b>	<b>47.00</b>
4.57	1.09	1.56	2.03	2.49	2.96	3.43	3.90	4.37
<b>186</b>	<b>12.16</b>	<b>17.38</b>	<b>22.59</b>	<b>27.81</b>	<b>33.02</b>	<b>38.23</b>	<b>43.45</b>	<b>48.66</b>
4.72	1.13	1.61	2.10	2.58	3.07	3.55	4.04	4.52
<b>192</b>	<b>12.58</b>	<b>17.97</b>	<b>23.37</b>	<b>28.76</b>	<b>34.15</b>	<b>39.54</b>	<b>44.93</b>	<b>50.33</b>
4.88	1.17	1.67	2.17	2.67	3.17	3.67	4.17	4.68
<b>198</b>	<b>13.00</b>	<b>18.57</b>	<b>24.14</b>	<b>29.71</b>	<b>35.28</b>	<b>40.85</b>	<b>46.42</b>	<b>51.99</b>
5.03	1.21	1.72	2.24	2.76	3.28	3.80	4.31	4.83

Upper Numerals English Units/Lower Numerals Metric Units