

**Model A6105**  
**6" (152.4 mm) Standard Fixed Extruded Arch. Line Louver**

**Material:**

<b>Material:</b>	6063-T6 Alloy
<b>Nominal Thickness (heads, sills, jamps, &amp; mullions):</b>	0.081" (2.06 mm)
<b>Nominal Blade Thickness:</b>	0.094" (2.39 mm)
<b>Furnished With:</b>	Birdscreen: ½" (12.7mm) intercrimp aluminum mesh, 0.063" (1.60 mm) 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

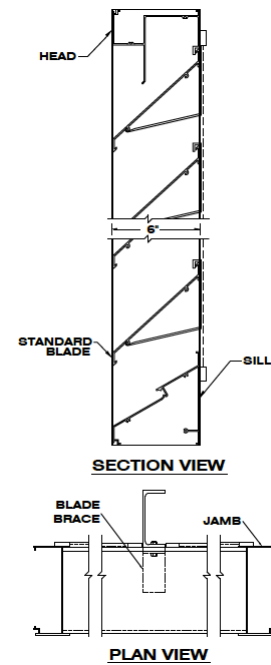


**Test Summary:**

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

*Tested with mill finish and no screen*

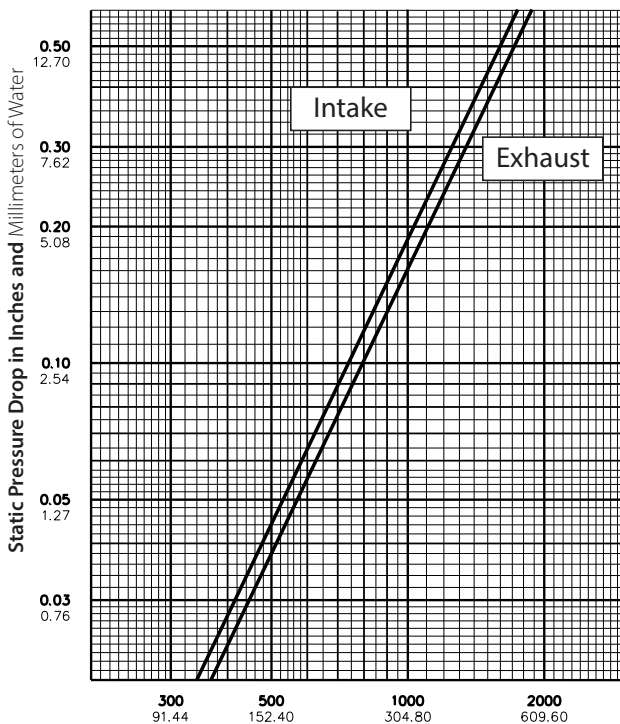
- Free area = 7.68 ft<sup>2</sup> (.713 m<sup>2</sup>)
- Percent free area = 48.0%
- Free area velocity at the point of beginning water penetration (@ 0.01oz. / ft<sup>2</sup> of free area based on a 15 minute interval test) = 764 FPM (3.88 m/s)
- Intake pressure drop at 0.01 oz. / ft<sup>2</sup> free area velocity = 0.11 in. H<sub>2</sub>O (27.3 Pa)



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**Water Penetration Statement**

AMCA defines the point of beginning water penetration as the free area velocity at which the AMCA water test has yielded 0.01 or less ounces of water per square foot of louver free area during a 15-minute test period.



**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) 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>

	Width in Inches and Meters									
	12	18	24	30	36	42	48	54	60	
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	
<b>18</b>	<b>0.30</b>	<b>0.56</b>	<b>0.82</b>	<b>1.08</b>	<b>1.34</b>	<b>1.60</b>	<b>1.86</b>	<b>2.12</b>	<b>2.38</b>	
0.46	0.03	0.05	0.08	0.10	0.12	0.15	0.17	0.20	0.22	
<b>24</b>	<b>0.50</b>	<b>0.92</b>	<b>1.34</b>	<b>1.77</b>	<b>2.19</b>	<b>2.62</b>	<b>3.04</b>	<b>3.47</b>	<b>3.89</b>	
0.61	0.05	0.09	0.12	0.16	0.20	0.24	0.28	0.32	0.36	
<b>30</b>	<b>0.67</b>	<b>1.24</b>	<b>1.81</b>	<b>2.38</b>	<b>2.95</b>	<b>3.53</b>	<b>4.10</b>	<b>4.67</b>	<b>5.24</b>	
0.76	0.06	0.12	0.17	0.22	0.27	0.33	0.38	0.43	0.49	
<b>36</b>	<b>0.84</b>	<b>1.55</b>	<b>2.27</b>	<b>2.99</b>	<b>3.71</b>	<b>4.42</b>	<b>5.14</b>	<b>5.86</b>	<b>6.57</b>	
0.91	0.08	0.14	0.21	0.28	0.34	0.41	0.48	0.54	0.61	
<b>42</b>	<b>1.03</b>	<b>1.91</b>	<b>2.79</b>	<b>3.67</b>	<b>4.55</b>	<b>5.43</b>	<b>6.31</b>	<b>7.19</b>	<b>8.07</b>	
1.07	0.10	0.18	0.26	0.34	0.42	0.50	0.59	0.67	0.75	
<b>48</b>	<b>1.25</b>	<b>2.32</b>	<b>3.39</b>	<b>4.46</b>	<b>5.53</b>	<b>6.61</b>	<b>7.68</b>	<b>8.75</b>	<b>9.82</b>	
1.22	0.12	0.22	0.31	0.41	0.51	0.61	0.71	0.81	0.91	
<b>54</b>	<b>1.42</b>	<b>2.64</b>	<b>3.86</b>	<b>5.08</b>	<b>6.31</b>	<b>7.53</b>	<b>8.75</b>	<b>9.97</b>	<b>11.19</b>	
1.37	0.13	0.25	0.36	0.47	0.59	0.70	0.81	0.93	1.04	
<b>60</b>	<b>1.60</b>	<b>2.97</b>	<b>4.34</b>	<b>5.71</b>	<b>7.08</b>	<b>8.44</b>	<b>9.81</b>	<b>11.18</b>	<b>12.55</b>	
1.52	0.15	0.28	0.40	0.53	0.66	0.78	0.91	1.04	1.17	
<b>66</b>	<b>1.79</b>	<b>3.32</b>	<b>4.86</b>	<b>6.39</b>	<b>7.93</b>	<b>9.46</b>	<b>10.99</b>	<b>12.53</b>	<b>14.06</b>	
1.68	0.17	0.31	0.45	0.59	0.74	0.88	1.02	1.16	1.31	
<b>72</b>	<b>1.96</b>	<b>3.65</b>	<b>5.33</b>	<b>7.01</b>	<b>8.70</b>	<b>10.38</b>	<b>12.06</b>	<b>13.75</b>	<b>15.43</b>	
1.83	0.18	0.34	0.50	0.65	0.81	0.96	1.12	1.28	1.43	
<b>78</b>	<b>2.16</b>	<b>4.00</b>	<b>5.85</b>	<b>7.70</b>	<b>9.55</b>	<b>11.39</b>	<b>13.24</b>	<b>15.09</b>	<b>16.94</b>	
1.98	0.20	0.37	0.54	0.72	0.89	1.06	1.23	1.40	1.57	
<b>84</b>	<b>2.33</b>	<b>4.32</b>	<b>6.31</b>	<b>8.30</b>	<b>10.30</b>	<b>12.29</b>	<b>14.28</b>	<b>16.28</b>	<b>18.27</b>	
2.13	0.22	0.40	0.59	0.77	0.96	1.14	1.33	1.51	1.70	
<b>90</b>	<b>2.50</b>	<b>4.63</b>	<b>6.77</b>	<b>8.91</b>	<b>11.05</b>	<b>13.19</b>	<b>15.33</b>	<b>17.47</b>	<b>19.61</b>	
2.29	0.23	0.43	0.63	0.83	1.03	1.23	1.42	1.62	1.82	
<b>96</b>	<b>2.69</b>	<b>4.99</b>	<b>7.29</b>	<b>9.59</b>	<b>11.89</b>	<b>14.19</b>	<b>16.50</b>	<b>18.80</b>	<b>21.10</b>	
2.44	0.25	0.46	0.68	0.89	1.10	1.32	1.53	1.75	1.96	
<b>102</b>	<b>2.91</b>	<b>5.40</b>	<b>7.90</b>	<b>10.39</b>	<b>12.89</b>	<b>15.38</b>	<b>17.88</b>	<b>20.37</b>	<b>22.87</b>	
2.59	0.27	0.50	0.73	0.97	1.20	1.43	1.66	1.89	2.12	
<b>108</b>	<b>3.08</b>	<b>5.73</b>	<b>8.37</b>	<b>11.02</b>	<b>13.66</b>	<b>16.30</b>	<b>18.95</b>	<b>21.59</b>	<b>24.23</b>	
2.74	0.29	0.53	0.78	1.02	1.27	1.51	1.76	2.01	2.25	
<b>114</b>	<b>3.26</b>	<b>6.05</b>	<b>8.84</b>	<b>11.64</b>	<b>14.43</b>	<b>17.22</b>	<b>20.02</b>	<b>22.81</b>	<b>25.60</b>	
2.90	0.30	0.56	0.82	1.08	1.34	1.60	1.86	2.12	2.38	
<b>120</b>	<b>3.45</b>	<b>6.41</b>	<b>9.36</b>	<b>12.32</b>	<b>15.28</b>	<b>18.24</b>	<b>21.19</b>	<b>24.15</b>	<b>27.11</b>	
3.05	0.32	0.60	0.87	1.14	1.42	1.69	1.97	2.24	2.52	
<b>126</b>	<b>3.62</b>	<b>6.73</b>	<b>9.84</b>	<b>12.94</b>	<b>16.05</b>	<b>19.16</b>	<b>22.26</b>	<b>25.37</b>	<b>28.48</b>	
3.20	0.34	0.63	0.91	1.20	1.49	1.78	2.07	2.36	2.65	
<b>132</b>	<b>3.81</b>	<b>7.08</b>	<b>10.35</b>	<b>13.62</b>	<b>16.89</b>	<b>20.16</b>	<b>23.43</b>	<b>26.70</b>	<b>29.97</b>	
3.35	0.33	0.61	0.89	1.17	1.45	1.73	2.02	2.30	2.58	
<b>138</b>	<b>3.98</b>	<b>7.40</b>	<b>10.81</b>	<b>14.23</b>	<b>17.64</b>	<b>21.06</b>	<b>24.47</b>	<b>27.89</b>	<b>31.30</b>	
3.51	0.37	0.69	1.00	1.32	1.64	1.96	2.27	2.59	2.91	
<b>144</b>	<b>4.15</b>	<b>7.71</b>	<b>11.28</b>	<b>14.84</b>	<b>18.40</b>	<b>21.96</b>	<b>25.52</b>	<b>29.08</b>	<b>32.64</b>	
3.66	0.39	0.72	1.05	1.38	1.71	2.04	2.37	2.70	3.03	
<b>150</b>	<b>4.38</b>	<b>8.13</b>	<b>11.89</b>	<b>15.64</b>	<b>19.39</b>	<b>23.15</b>	<b>26.90</b>	<b>30.65</b>	<b>34.41</b>	
3.81	0.41	0.76	1.10	1.45	1.80	2.15	2.50	2.85	3.20	
<b>156</b>	<b>4.57</b>	<b>8.49</b>	<b>12.41</b>	<b>16.32</b>	<b>20.24</b>	<b>24.16</b>	<b>28.08</b>	<b>32.00</b>	<b>35.91</b>	
3.96	0.42	0.79	1.15	1.52	1.88	2.24	2.61	2.97	3.34	
<b>162</b>	<b>4.74</b>	<b>8.81</b>	<b>12.88</b>	<b>16.95</b>	<b>21.01</b>	<b>25.08</b>	<b>29.15</b>	<b>33.21</b>	<b>37.28</b>	
4.11	0.44	0.82	1.20	1.57	1.95	2.33	2.71	3.09	3.46	
<b>168</b>	<b>4.92</b>	<b>9.13</b>	<b>13.35</b>	<b>17.57</b>	<b>21.78</b>	<b>26.00</b>	<b>30.22</b>	<b>34.43</b>	<b>38.65</b>	
4.27	0.46	0.85	1.24	1.63	2.02	2.42	2.81	3.20	3.59	
<b>174</b>	<b>5.11</b>	<b>9.49</b>	<b>13.87</b>	<b>18.25</b>	<b>22.63</b>	<b>27.01</b>	<b>31.39</b>	<b>35.78</b>	<b>40.16</b>	
4.42	0.47	0.88	1.29	1.70	2.10	2.51	2.92	3.32	3.73	
<b>180</b>	<b>5.28</b>	<b>9.81</b>	<b>14.34</b>	<b>18.39</b>	<b>23.40</b>	<b>27.92</b>	<b>32.45</b>	<b>36.98</b>	<b>41.51</b>	
4.57	0.49	0.91	1.33	1.71	2.17	2.59	3.01	3.44	3.86	
<b>186</b>	<b>5.47</b>	<b>10.16</b>	<b>14.85</b>	<b>19.54</b>	<b>24.24</b>	<b>28.93</b>	<b>33.62</b>	<b>38.31</b>	<b>43.00</b>	
4.72	0.51	0.94	1.38	1.82	2.25	2.69	3.12	3.56	3.99	
<b>192</b>	<b>5.64</b>	<b>10.48</b>	<b>15.31</b>	<b>20.15</b>	<b>24.99</b>	<b>29.82</b>	<b>34.66</b>	<b>39.50</b>	<b>44.33</b>	
4.88	0.52	0.97	1.42	1.87	2.32	2.77	3.22	3.67	4.12	
<b>198</b>	<b>5.87</b>	<b>10.90</b>	<b>15.93</b>	<b>20.96</b>	<b>26.00</b>	<b>31.03</b>	<b>36.06</b>	<b>41.09</b>	<b>46.12</b>	
5.03	0.55	1.01	1.48	1.95	2.42	2.88	3.35	3.82	4.28	

Height in Inches and Meters

Upper Numerals English Units/Lower Numerals Metric Units