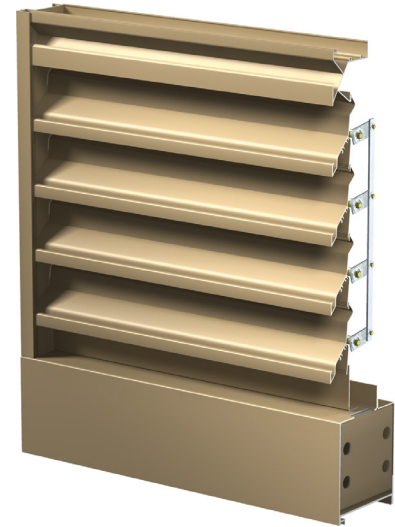
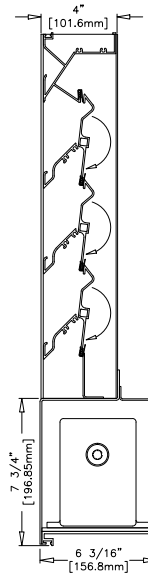


## Standard Construction

<b>Frame</b>	Heavy gauge extruded 6063-T5 aluminum, 4 in. (102 mm) head/jamb and 6.2 in. (157 mm) sill x 0.125 in. (3 mm) nominal wall thickness
<b>Blades</b>	Stationary blade: drainable design, heavy gauge extruded 6063-T5 aluminum, 0.081 in. (2mm) nominal wall thickness, positioned at 45° angles on approximately 4 in. (102 mm) center  Operable blade: heavy gauge extruded 6063-T5 aluminum, 0.081 (2mm) nominal wall thickness
<b>Seals</b>	Dual-durometer extruded vinyl blade seals, compressible stainless steel jamb seals
<b>Temperature Restrictions</b>	(-20° F) - (+180° F) (-29° C) - (+82° C)
<b>Linkage</b>	Side linkage, out of airstream (concealed in frame)
<b>Bearings</b>	Synthetic sleeve type
<b>Axles</b>	1/2 in. (13 mm) dia. zinc plated steel
<b>Louver Depth</b>	4 in. (102 mm) head/jamb, 6.2 (157 mm) sill
<b>Construction</b>	Mechanically fastened
<b>Finish</b>	Mill
<b>Minimum Size</b>	18 in. W x 20.25 in. H (457 mm W x 514 mm H)
<b>Maximum Single Section Size</b>	60 in. W x 96 in. H (1524 mm W x 2438 mm H)
<b>Wind Load</b>	25 PSF (1.2 kPa)



## Performance Ratings

### Performance of 48 in. x 48 in. (1219 mm x 1219 mm) Louver

<b>Free Area</b>	
Area	5.41 sq. ft. (0.503 sq. m)
Percent	33.8%
<b>Performance at Beginning Point of Water Penetration</b>	
Free Area Velocity	1192 fpm (6.055 m/s)
Max Intake Volume	6449 cfm (3.043 m³/s)
<b>Performance at 6,000 CFM (2.832 m³/s) Intake</b>	
Pressure Drop	0.147 in. wg (0.036 kPa)

## Document Links

[Louver Finishes & Colors](#)
[Louver Product Selection Guide](#)
[Louver Products Catalog](#)
[Louver Warranty Statement](#)

## Options and Accessories

- [Bird Screen](#)
- [Extended Sill](#)
- [Filter Rack/Filter](#)
- [Flange Frame](#)
- [Insect Screen](#)
- [Mounting Angles](#)
- [Security Bars](#)
- Stainless Steel Axles and Bearings
- [Variety of Architectural Finishes](#)

## Product Details

[EACC-401 Standard Details](#)

Structural reinforcing members may be required to adequately support and install multiple louver sections within a large opening. Structural reinforcing members along with any associated installation hardware is not provided by Greenheck unless indicated otherwise by Greenheck. Options and accessories including, but not limited to, screens, filter racks, louver doors, and blank off panels are not subject to structural analysis unless indicated otherwise by Greenheck.

## Free Area Chart

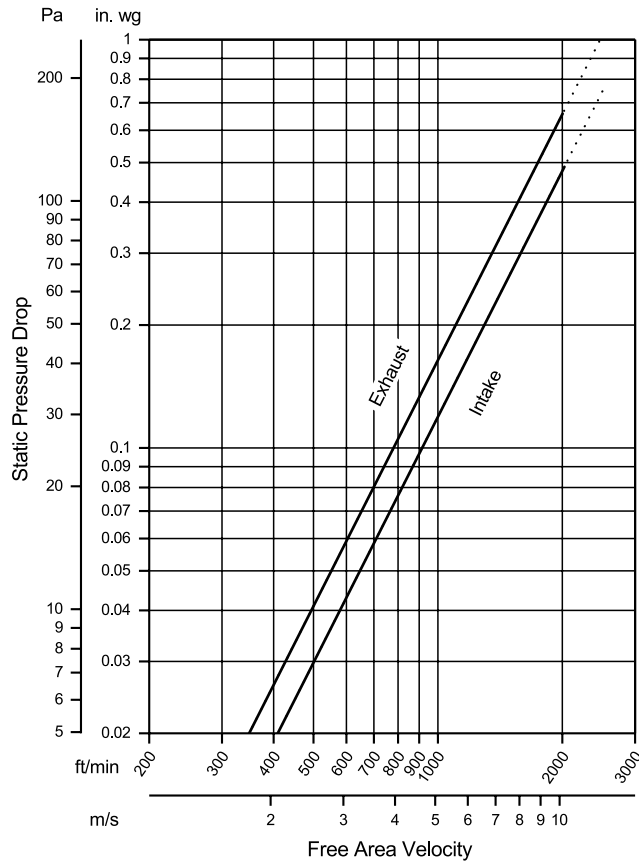
Free Area Chart shows free area in square feet and square meters.

Louver Height Inches (Meters)	Louver Width in Inches (Meters)														
	18	21	23	26	29	32	35	38	41	44	48	51	54	57	60
0.46	0.53	0.58	0.66	0.74	0.81	0.89	0.97	1.04	1.12	1.22	1.30	1.37	1.45	1.52	
<b>20.25</b>	<b>0.21</b>	<b>0.25</b>	<b>0.28</b>	<b>0.32</b>	<b>0.36</b>	<b>0.40</b>	<b>0.45</b>	<b>0.49</b>	<b>0.53</b>	<b>0.57</b>	<b>0.63</b>	<b>0.67</b>	<b>0.71</b>	<b>0.75</b>	<b>0.79</b>
0.51	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.07
<b>24</b>	<b>0.45</b>	<b>0.54</b>	<b>0.60</b>	<b>0.69</b>	<b>0.77</b>	<b>0.86</b>	<b>0.95</b>	<b>1.04</b>	<b>1.13</b>	<b>1.22</b>	<b>1.33</b>	<b>1.42</b>	<b>1.51</b>	<b>1.60</b>	<b>1.69</b>
0.61	0.04	0.05	0.06	0.06	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.13	0.14	0.15	0.16
<b>28</b>	<b>0.69</b>	<b>0.82</b>	<b>0.91</b>	<b>1.05</b>	<b>1.19</b>	<b>1.32</b>	<b>1.46</b>	<b>1.59</b>	<b>1.73</b>	<b>1.86</b>	<b>2.04</b>	<b>2.18</b>	<b>2.31</b>	<b>2.45</b>	<b>2.59</b>
0.71	0.06	0.08	0.08	0.10	0.11	0.12	0.14	0.15	0.16	0.17	0.19	0.20	0.21	0.23	0.24
<b>32</b>	<b>0.93</b>	<b>1.11</b>	<b>1.23</b>	<b>1.41</b>	<b>1.60</b>	<b>1.78</b>	<b>1.96</b>	<b>2.14</b>	<b>2.33</b>	<b>2.51</b>	<b>2.75</b>	<b>2.94</b>	<b>3.12</b>	<b>3.30</b>	<b>3.48</b>
0.81	0.09	0.10	0.11	0.13	0.15	0.17	0.18	0.20	0.22	0.23	0.26	0.27	0.29	0.31	0.32
<b>36</b>	<b>1.17</b>	<b>1.40</b>	<b>1.55</b>	<b>1.78</b>	<b>2.01</b>	<b>2.24</b>	<b>2.47</b>	<b>2.70</b>	<b>2.93</b>	<b>3.16</b>	<b>3.46</b>	<b>3.69</b>	<b>3.92</b>	<b>4.15</b>	<b>4.38</b>
0.91	0.11	0.13	0.14	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.32	0.34	0.36	0.39	0.41
<b>40</b>	<b>1.41</b>	<b>1.68</b>	<b>1.87</b>	<b>2.14</b>	<b>2.42</b>	<b>2.70</b>	<b>2.97</b>	<b>3.25</b>	<b>3.53</b>	<b>3.80</b>	<b>4.17</b>	<b>4.45</b>	<b>4.72</b>	<b>5.00</b>	<b>5.28</b>
1.02	0.13	0.16	0.17	0.20	0.22	0.25	0.28	0.30	0.33	0.35	0.39	0.41	0.44	0.46	0.49
<b>44</b>	<b>1.64</b>	<b>1.96</b>	<b>2.17</b>	<b>2.50</b>	<b>2.82</b>	<b>3.14</b>	<b>3.46</b>	<b>3.78</b>	<b>4.11</b>	<b>4.43</b>	<b>4.86</b>	<b>5.18</b>	<b>5.50</b>	<b>5.82</b>	<b>6.14</b>
1.12	0.15	0.18	0.20	0.23	0.26	0.29	0.32	0.35	0.38	0.41	0.45	0.48	0.51	0.54	0.57
<b>48</b>	<b>1.82</b>	<b>2.18</b>	<b>2.42</b>	<b>2.78</b>	<b>3.14</b>	<b>3.50</b>	<b>3.86</b>	<b>4.21</b>	<b>4.57</b>	<b>4.93</b>	<b>5.41</b>	<b>5.77</b>	<b>6.13</b>	<b>6.49</b>	<b>6.84</b>
1.22	0.17	0.20	0.22	0.26	0.29	0.33	0.36	0.39	0.42	0.46	0.50	0.54	0.57	0.60	0.64
<b>52</b>	<b>1.88</b>	<b>2.25</b>	<b>2.50</b>	<b>2.87</b>	<b>3.24</b>	<b>3.61</b>	<b>3.98</b>	<b>4.35</b>	<b>4.73</b>	<b>5.10</b>	<b>5.59</b>	<b>5.96</b>	<b>6.33</b>	<b>6.70</b>	<b>7.07</b>
1.32	0.17	0.21	0.23	0.27	0.30	0.34	0.37	0.40	0.44	0.47	0.52	0.55	0.59	0.62	0.66
<b>56</b>	<b>2.12</b>	<b>2.54</b>	<b>2.82</b>	<b>3.24</b>	<b>3.65</b>	<b>4.07</b>	<b>4.49</b>	<b>4.91</b>	<b>5.32</b>	<b>5.74</b>	<b>6.30</b>	<b>6.72</b>	<b>7.13</b>	<b>7.55</b>	<b>7.97</b>
1.42	0.20	0.24	0.26	0.30	0.34	0.38	0.42	0.46	0.49	0.53	0.59	0.62	0.66	0.70	0.74
<b>60</b>	<b>2.36</b>	<b>2.83</b>	<b>3.14</b>	<b>3.60</b>	<b>4.07</b>	<b>4.53</b>	<b>4.99</b>	<b>5.46</b>	<b>5.92</b>	<b>6.39</b>	<b>7.01</b>	<b>7.47</b>	<b>7.94</b>	<b>8.40</b>	<b>8.87</b>
1.52	0.22	0.26	0.29	0.33	0.38	0.42	0.46	0.51	0.55	0.59	0.65	0.69	0.74	0.78	0.82
<b>64</b>	<b>2.60</b>	<b>3.11</b>	<b>3.45</b>	<b>3.97</b>	<b>4.48</b>	<b>4.99</b>	<b>5.50</b>	<b>6.01</b>	<b>6.52</b>	<b>7.04</b>	<b>7.72</b>	<b>8.23</b>	<b>8.74</b>	<b>9.25</b>	<b>9.76</b>
1.63	0.24	0.29	0.32	0.37	0.42	0.46	0.51	0.56	0.61	0.65	0.72	0.76	0.81	0.86	0.91
<b>68</b>	<b>2.84</b>	<b>3.40</b>	<b>3.77</b>	<b>4.33</b>	<b>4.89</b>	<b>5.45</b>	<b>6.01</b>	<b>6.56</b>	<b>7.12</b>	<b>7.68</b>	<b>8.43</b>	<b>8.99</b>	<b>9.54</b>	<b>10.10</b>	<b>10.66</b>
1.73	0.26	0.32	0.35	0.40	0.45	0.51	0.56	0.61	0.66	0.71	0.78	0.84	0.89	0.94	0.99
<b>72</b>	<b>3.08</b>	<b>3.68</b>	<b>4.09</b>	<b>4.69</b>	<b>5.30</b>	<b>5.91</b>	<b>6.51</b>	<b>7.12</b>	<b>7.72</b>	<b>8.33</b>	<b>9.14</b>	<b>9.74</b>	<b>10.35</b>	<b>10.95</b>	<b>11.56</b>
1.83	0.29	0.34	0.38	0.44	0.49	0.55	0.60	0.66	0.72	0.77	0.85	0.90	0.96	1.02	1.07
<b>76</b>	<b>3.32</b>	<b>3.97</b>	<b>4.41</b>	<b>5.06</b>	<b>5.71</b>	<b>6.36</b>	<b>7.02</b>	<b>7.67</b>	<b>8.32</b>	<b>8.97</b>	<b>9.84</b>	<b>10.50</b>	<b>11.15</b>	<b>11.80</b>	<b>12.46</b>
1.93	0.31	0.37	0.41	0.47	0.53	0.59	0.65	0.71	0.77	0.83	0.91	0.98	1.04	1.10	1.16
<b>80</b>	<b>3.55</b>	<b>4.25</b>	<b>4.71</b>	<b>5.41</b>	<b>6.11</b>	<b>6.81</b>	<b>7.50</b>	<b>8.20</b>	<b>8.90</b>	<b>9.60</b>	<b>10.53</b>	<b>11.23</b>	<b>11.93</b>	<b>12.62</b>	<b>13.32</b>
2.03	0.33	0.39	0.44	0.50	0.57	0.63	0.70	0.76	0.83	0.89	0.98	1.04	1.11	1.17	1.24
<b>84</b>	<b>3.74</b>	<b>4.47</b>	<b>4.96</b>	<b>5.69</b>	<b>6.43</b>	<b>7.16</b>	<b>7.90</b>	<b>8.63</b>	<b>9.37</b>	<b>10.10</b>	<b>11.08</b>	<b>11.82</b>	<b>12.55</b>	<b>13.29</b>	<b>14.02</b>
2.13	0.35	0.42	0.46	0.53	0.60	0.67	0.73	0.80	0.87	0.94	1.03	1.10	1.17	1.23	1.30
<b>88</b>	<b>3.80</b>	<b>4.54</b>	<b>5.04</b>	<b>5.79</b>	<b>6.53</b>	<b>7.28</b>	<b>8.03</b>	<b>8.77</b>	<b>9.52</b>	<b>10.27</b>	<b>11.26</b>	<b>12.01</b>	<b>12.76</b>	<b>13.50</b>	<b>14.25</b>
2.24	0.35	0.42	0.47	0.54	0.61	0.68	0.75	0.81	0.88	0.95	1.05	1.12	1.19	1.25	1.32
<b>92</b>	<b>4.03</b>	<b>4.83</b>	<b>5.36</b>	<b>6.15</b>	<b>6.95</b>	<b>7.74</b>	<b>8.53</b>	<b>9.33</b>	<b>10.12</b>	<b>10.91</b>	<b>11.97</b>	<b>12.77</b>	<b>13.56</b>	<b>14.35</b>	<b>15.15</b>
2.34	0.37	0.45	0.50	0.57	0.65	0.72	0.79	0.87	0.94	1.01	1.11	1.19	1.26	1.33	1.41
<b>96</b>	<b>4.27</b>	<b>5.11</b>	<b>5.68</b>	<b>6.52</b>	<b>7.36</b>	<b>8.20</b>	<b>9.04</b>	<b>9.88</b>	<b>10.72</b>	<b>11.56</b>	<b>12.68</b>	<b>13.52</b>	<b>14.36</b>	<b>15.20</b>	<b>16.04</b>
2.44	0.40	0.47	0.53	0.61	0.68	0.76	0.84	0.92	1.00	1.07	1.18	1.26	1.33	1.41	1.49

## Airflow Resistance

Standard Air - 0.075 lb/ft<sup>3</sup> (1.2 kg/m<sup>3</sup>)

Test size 48 in. x 48 in. (1219 mm x 1219 mm)

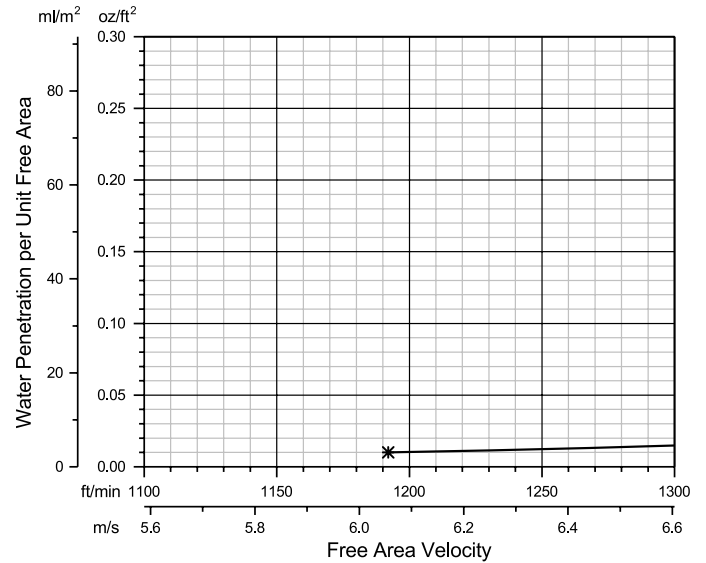


Model EACC-401 resistance to airflow (pressure drop) varies depending on louver application (air intake or air exhaust). Free area velocities (shown) are higher than average velocity through the overall louver size. See louver selection information. (Test Figure 5.5-6.5)

## Water Penetration

Standard Air - 0.075 lb/ft<sup>3</sup> (1.2 kg/m<sup>3</sup>)

Test size 48 in. x 48 in. (1219 mm x 1219 mm) Test duration of 15 min.



The AMCA Water Penetration Test provides a method for comparing various louver models and designs as to their efficiency in resisting the penetration of rainfall under specific laboratory test conditions. The beginning point of water penetration is defined as that velocity where the water penetration curve projects through 0.01 oz. (3 g) of water (penetration) per sq. ft. (m<sup>2</sup>) of louver free area. **\*The beginning point of water penetration for Model EACC-401 is 1192 fpm (6.055 m/s) free area velocity.** These performance ratings do not guarantee a louver to be weatherproof or stormproof and should be used in combination with other factors including good engineering judgement in selecting louvers.