

# EME420DDE

Wind-Driven Rain Resistant Stationary Louver  
High Performance Extruded Aluminum Construction  
AMCA Certified



## APPLICATION

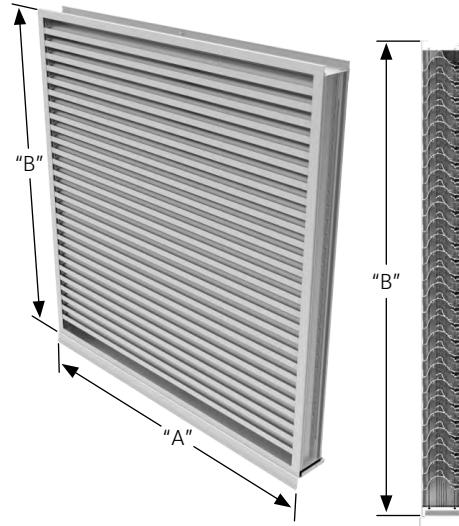
The EME420DDE is a 4" deep, mechanically fastened, extruded aluminum, double drainable, horizontal, stationary louver designed to protect air intake and exhaust openings in exterior walls. This louver offers exceptional protection against wind-driven rain under the most severe conditions. This louver is designed with a drainable gutter system that channels water from the blades to downspouts in the jambs. Here, water is exhausted out of the front of the louver.

## STANDARD CONSTRUCTION

<b>Frame</b>	4" (102) deep, 6063T6 extruded aluminum with .081" (2.1) nominal wall thickness.
<b>Blades</b>	6063T6 extruded aluminum .063" (1.6) nominal wall thickness. Double drainable blades are sightproof.
<b>Screen</b>	5/8" x .040" (16 x 1) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.
<b>Finish</b>	Mill
<b>Approximate Shipping Weight</b>	7 lbs. per sq. ft. (34.2 kg/m <sup>2</sup> )
<b>Minimum Size</b>	12"w x 6'h (305 x 153)
<b>Maximum Factory Assembly Size</b>	Shall be 75 sq. ft. (7m <sup>2</sup> ) per section. Single sections shall not exceed 120" x 90"h (3048 x 2286) or 90"w x 120"h (2286 x 3048). Louvers larger than the maximum single section size will require field assembly of smaller sections.
<b>Supports</b>	Louvers may be provided with rear mounted blade supports that increase overall louver depth depending on louver size, assembly configuration or windload.

## FEATURES

- ▶ Horizontal architectural style blades minimize the penetration of wind-driven rain, reducing damage and additional operating expenses.
- ▶ AMCA certified wind-driven rain results.
- ▶ Beginning point of water penetration at .01 oz. /sq. ft. is above 996 fpm (304 m/min).
- ▶ Performance ratings tested in accordance to AMCA Publication 511.
- ▶ 40% Free Area.
- ▶ AMCA 540 Listed (Enhanced Protection)
- ▶ AMCA550 Listed for High Velocity Wind Driven Rain with Damper



HIGH VELOCITY RAIN RESISTANT WITH BLADES FULLY CLOSED AND IMPACT RESISTANT LOUVER Enhanced Protection Level E  
See www.AMCA.org for all certified listed products.  
AMCA is a registered trademark of AMCA International, Inc.

## VARIATIONS

- ▶ Extended sill
- ▶ Hinged frame
- ▶ Front or rear security bars
- ▶ Filter racks
- ▶ Installation angles
- ▶ A variety of bird and insect screens
- ▶ Please provide rough opening dimensions for "A" and "B" dimensions. unless ordered as actual size, the louver will be provided 1/2" (12) smaller than "A" and "B" dimensions provided.
- ▶ Selection of finishes: prime coat, 50% PVDF (modified fluoropolymer), epoxy, Pearledize, 70% PVDF, clear and color anodize. (Some variation in anodize color consistency is possible).

Consult Ruskin for other special requirements.

### NOTE:

1. Dimensions in inches, parenthesis ( ) indicate millimeters.
2. Units furnished 1/4" (6) smaller than given opening dimensions.

## PERFORMANCE DATA



HIGH VELOCITY  
RAIN RESISTANT  
WITH BLADES FULLY CLOSED

\* See www.AMCA.org for all certified or listed products

This label does not signify  
AMCA airflow performance  
certification.



IMPACT  
RESISTANT  
LOUVER

*Basic Protection Level D*

\* See www.AMCA.org for all certified or listed products

This label does not signify  
AMCA airflow performance  
certification.

Ruskin certifies that the EME420DDE shown herein is approved to bear the AMCA Listing Label. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications and comply with the requirements of the AMCA Listing Label Program.

The AMCA Listing Label applies to wind Born Debris Impact Resistant and High Velocity Wind Driven Rain Resistant Louvers (with optional CD40, CD50 or SD60 damper in the closed position)

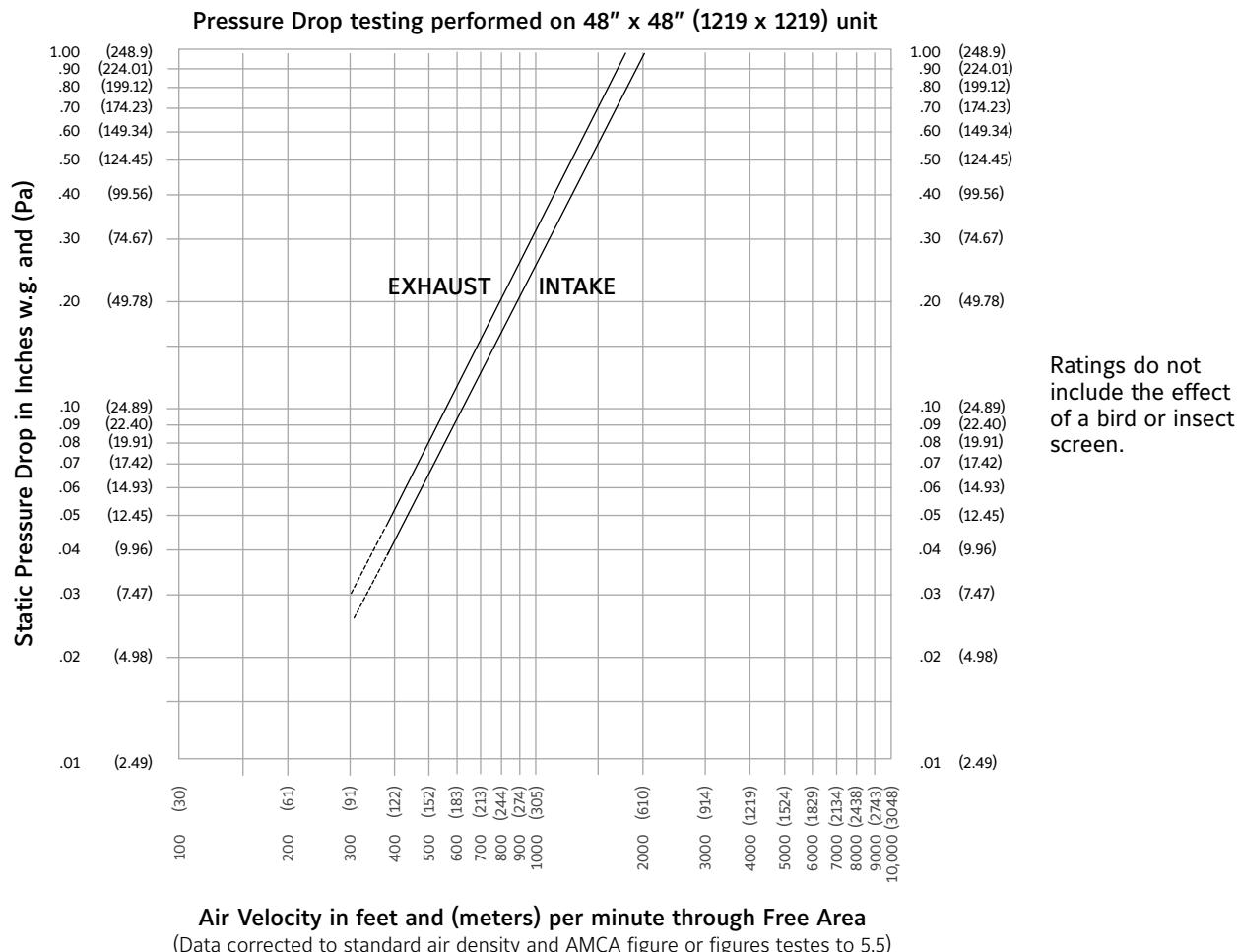
## FREE AREA GUIDE

Free Area Guide shows free area in ft<sup>2</sup> and m<sup>2</sup> for various sizes of EME420DDE.

Width – Inches and Meters

HEIGHT	12 0.30	18 0.45	24 0.60	30 0.75	36 0.90	42 1.05	48 1.20	54 1.35	60 1.50	66 1.65	72 1.80	78 1.95	84 2.10	90 2.25	96 2.40	102 2.55	108 2.70	114 2.85	120 3.00
<b>12</b> 0.30	<b>0.15</b> 0.01	<b>0.25</b> 0.02	<b>0.35</b> 0.03	<b>0.45</b> 0.04	<b>0.56</b> 0.05	<b>0.66</b> 0.06	<b>0.76</b> 0.07	<b>0.86</b> 0.08	<b>0.96</b> 0.09	<b>1.07</b> 0.10	<b>1.17</b> 0.11	<b>1.27</b> 0.12	<b>1.37</b> 0.13	<b>1.47</b> 0.14	<b>1.57</b> 0.15	<b>1.68</b> 0.16	<b>1.78</b> 0.17	<b>1.88</b> 0.17	<b>1.98</b> 0.18
<b>18</b> 0.45	<b>0.35</b> 0.03	<b>0.58</b> 0.05	<b>0.82</b> 0.08	<b>1.06</b> 0.10	<b>1.30</b> 0.12	<b>1.54</b> 0.14	<b>1.77</b> 0.16	<b>2.01</b> 0.19	<b>2.25</b> 0.21	<b>2.49</b> 0.23	<b>2.72</b> 0.25	<b>2.96</b> 0.28	<b>3.20</b> 0.30	<b>3.44</b> 0.32	<b>3.67</b> 0.34	<b>3.91</b> 0.36	<b>4.15</b> 0.39	<b>4.39</b> 0.41	<b>4.63</b> 0.43
<b>24</b> 0.60	<b>0.54</b> 0.05	<b>0.92</b> 0.09	<b>1.29</b> 0.12	<b>1.67</b> 0.15	<b>2.04</b> 0.19	<b>2.41</b> 0.22	<b>2.79</b> 0.26	<b>3.16</b> 0.29	<b>3.53</b> 0.33	<b>3.91</b> 0.36	<b>4.28</b> 0.40	<b>4.65</b> 0.43	<b>5.03</b> 0.47	<b>5.40</b> 0.50	<b>5.77</b> 0.54	<b>6.15</b> 0.57	<b>6.52</b> 0.61	<b>6.89</b> 0.64	<b>7.27</b> 0.68
<b>30</b> 0.75	<b>0.69</b> 0.06	<b>1.17</b> 0.11	<b>1.64</b> 0.15	<b>2.12</b> 0.20	<b>2.59</b> 0.24	<b>3.07</b> 0.29	<b>3.55</b> 0.33	<b>4.02</b> 0.37	<b>4.50</b> 0.42	<b>4.97</b> 0.46	<b>5.45</b> 0.51	<b>5.92</b> 0.55	<b>6.40</b> 0.60	<b>6.87</b> 0.64	<b>7.35</b> 0.68	<b>7.82</b> 0.73	<b>8.30</b> 0.77	<b>8.78</b> 0.82	<b>9.25</b> 0.86
<b>36</b> 0.90	<b>0.89</b> 0.08	<b>1.50</b> 0.14	<b>2.11</b> 0.20	<b>2.73</b> 0.25	<b>3.34</b> 0.31	<b>3.95</b> 0.37	<b>4.56</b> 0.42	<b>5.17</b> 0.48	<b>5.78</b> 0.54	<b>6.39</b> 0.59	<b>7.00</b> 0.65	<b>7.62</b> 0.71	<b>8.23</b> 0.77	<b>8.84</b> 0.82	<b>9.45</b> 0.88	<b>10.06</b> 0.94	<b>10.67</b> 0.99	<b>11.28</b> 1.05	<b>11.89</b> 1.11
<b>42</b> 1.05	<b>1.09</b> 0.10	<b>1.84</b> 0.17	<b>2.58</b> 0.24	<b>3.33</b> 0.31	<b>4.08</b> 0.38	<b>4.82</b> 0.45	<b>5.57</b> 0.52	<b>6.32</b> 0.59	<b>7.07</b> 0.66	<b>7.81</b> 0.73	<b>8.56</b> 0.80	<b>9.31</b> 0.87	<b>10.05</b> 0.94	<b>10.80</b> 1.00	<b>11.55</b> 1.07	<b>12.30</b> 1.14	<b>13.04</b> 1.21	<b>13.79</b> 1.28	<b>14.54</b> 1.35
<b>48</b> 1.20	<b>1.24</b> 0.12	<b>2.09</b> 0.19	<b>2.94</b> 0.27	<b>3.78</b> 0.35	<b>4.63</b> 0.43	<b>5.48</b> 0.51	<b>6.33</b> 0.59	<b>7.18</b> 0.67	<b>8.03</b> 0.75	<b>8.88</b> 0.83	<b>9.73</b> 0.90	<b>10.58</b> 0.98	<b>11.43</b> 1.06	<b>12.27</b> 1.14	<b>13.12</b> 1.22	<b>13.97</b> 1.30	<b>14.82</b> 1.38	<b>15.67</b> 1.46	<b>16.52</b> 1.54
<b>54</b> 1.35	<b>1.44</b> 0.13	<b>2.42</b> 0.23	<b>3.41</b> 0.32	<b>4.39</b> 0.41	<b>5.38</b> 0.50	<b>6.36</b> 0.59	<b>7.34</b> 0.68	<b>8.33</b> 0.77	<b>9.31</b> 0.87	<b>10.30</b> 0.96	<b>11.28</b> 1.05	<b>12.27</b> 1.14	<b>13.25</b> 1.23	<b>14.24</b> 1.32	<b>15.22</b> 1.42	<b>16.21</b> 1.51	<b>17.19</b> 1.60	<b>18.18</b> 1.69	<b>19.16</b> 1.78
<b>60</b> 1.50	<b>1.63</b> 0.15	<b>2.75</b> 0.26	<b>3.88</b> 0.36	<b>5.00</b> 0.46	<b>6.12</b> 0.57	<b>7.24</b> 0.67	<b>8.36</b> 0.78	<b>9.48</b> 0.88	<b>10.60</b> 0.99	<b>11.72</b> 1.09	<b>12.84</b> 1.19	<b>13.96</b> 1.30	<b>15.08</b> 1.40	<b>16.20</b> 1.51	<b>17.32</b> 1.61	<b>18.44</b> 1.72	<b>19.56</b> 1.82	<b>20.68</b> 1.92	<b>21.81</b> 2.03
<b>66</b> 1.65	<b>1.78</b> 0.17	<b>3.01</b> 0.28	<b>4.23</b> 0.39	<b>5.45</b> 0.51	<b>6.67</b> 0.62	<b>7.90</b> 0.73	<b>9.12</b> 0.85	<b>10.34</b> 0.96	<b>11.56</b> 1.08	<b>12.79</b> 1.19	<b>14.01</b> 1.30	<b>15.23</b> 1.42	<b>16.45</b> 1.53	<b>17.68</b> 1.64	<b>18.90</b> 1.76	<b>20.12</b> 1.87	<b>21.34</b> 1.98	<b>22.57</b> 2.10	<b>23.79</b> 2.21
<b>72</b> 1.80	<b>1.98</b> 0.18	<b>3.34</b> 0.31	<b>4.70</b> 0.44	<b>6.06</b> 0.56	<b>7.41</b> 0.69	<b>8.77</b> 0.82	<b>10.13</b> 0.94	<b>11.49</b> 1.07	<b>12.85</b> 1.19	<b>14.21</b> 1.32	<b>15.56</b> 1.45	<b>16.92</b> 1.57	<b>18.28</b> 1.70	<b>19.64</b> 1.83	<b>21.00</b> 1.95	<b>22.36</b> 2.08	<b>23.71</b> 2.21	<b>25.07</b> 2.33	<b>26.43</b> 2.46
<b>78</b> 1.95	<b>2.18</b> 0.20	<b>3.67</b> 0.34	<b>5.17</b> 0.48	<b>6.66</b> 0.62	<b>8.16</b> 0.76	<b>9.65</b> 0.90	<b>11.14</b> 1.04	<b>12.64</b> 1.18	<b>14.13</b> 1.31	<b>15.63</b> 1.45	<b>17.12</b> 1.59	<b>18.61</b> 1.73	<b>20.11</b> 1.87	<b>21.60</b> 2.01	<b>23.10</b> 2.15	<b>24.59</b> 2.29	<b>26.09</b> 2.43	<b>27.58</b> 2.56	<b>29.07</b> 2.70
<b>84</b> 2.10	<b>2.38</b> 0.22	<b>4.01</b> 0.37	<b>5.64</b> 0.52	<b>7.27</b> 0.68	<b>8.90</b> 0.83	<b>10.53</b> 0.98	<b>12.16</b> 1.13	<b>13.79</b> 1.28	<b>15.42</b> 1.43	<b>17.05</b> 1.59	<b>18.68</b> 1.74	<b>20.31</b> 1.89	<b>21.94</b> 2.04	<b>23.57</b> 2.19	<b>25.20</b> 2.34	<b>26.83</b> 2.49	<b>28.46</b> 2.65	<b>30.09</b> 2.80	<b>31.72</b> 2.95
<b>90</b> 2.25	<b>2.53</b> 0.23	<b>4.26</b> 0.40	<b>5.99</b> 0.56	<b>7.72</b> 0.72	<b>9.45</b> 0.88	<b>11.19</b> 1.04	<b>12.92</b> 1.20	<b>14.65</b> 1.36	<b>16.38</b> 1.52	<b>18.11</b> 1.68	<b>19.84</b> 1.85	<b>21.58</b> 2.01	<b>23.31</b> 2.17	<b>25.04</b> 2.33	<b>26.77</b> 2.49	<b>28.50</b> 2.65	<b>30.24</b> 2.81	<b>31.97</b> 2.97	<b>33.70</b> 3.13
<b>96</b> 2.40	<b>2.72</b> 0.25	<b>4.59</b> 0.43	<b>6.46</b> 0.60	<b>8.33</b> 0.77	<b>10.19</b> 0.95	<b>12.06</b> 1.12	<b>13.93</b> 1.30	<b>15.80</b> 1.47	<b>17.67</b> 1.64	<b>19.53</b> 1.82	<b>21.40</b> 1.99	<b>23.27</b> 2.16	<b>25.14</b> 2.34	<b>27.00</b> 2.51	<b>28.87</b> 2.69	<b>30.74</b> 2.86	<b>32.61</b> 3.03	<b>34.47</b> 3.21	<b>36.34</b> 3.38
<b>102</b> 2.55	<b>2.92</b> 0.27	<b>4.93</b> 0.46	<b>6.93</b> 0.64	<b>8.93</b> 0.83	<b>10.94</b> 1.02	<b>12.94</b> 1.20	<b>14.94</b> 1.39	<b>16.95</b> 1.58	<b>18.95</b> 1.76	<b>20.95</b> 1.95	<b>22.96</b> 2.14	<b>24.96</b> 2.32	<b>26.96</b> 2.51	<b>28.97</b> 2.69	<b>30.97</b> 2.88	<b>32.97</b> 3.07	<b>34.98</b> 3.25	<b>36.98</b> 3.44	<b>38.99</b> 3.63
<b>108</b> 2.70	<b>3.07</b> 0.29	<b>5.18</b> 0.48	<b>7.28</b> 0.68	<b>9.39</b> 0.87	<b>11.49</b> 1.07	<b>13.60</b> 1.26	<b>15.70</b> 1.46	<b>17.81</b> 1.66	<b>19.91</b> 1.85	<b>22.02</b> 2.05	<b>24.12</b> 2.24	<b>26.23</b> 2.44	<b>28.34</b> 2.64	<b>30.44</b> 2.83	<b>32.55</b> 3.03	<b>34.65</b> 3.22	<b>36.76</b> 3.42	<b>38.86</b> 3.61	<b>40.97</b> 3.81
<b>114</b> 2.85	<b>3.27</b> 0.30	<b>5.51</b> 0.51	<b>7.75</b> 0.72	<b>9.99</b> 0.93	<b>12.23</b> 1.14	<b>14.47</b> 1.35	<b>16.72</b> 1.55	<b>18.96</b> 1.76	<b>21.20</b> 1.97	<b>23.44</b> 2.18	<b>25.68</b> 2.39	<b>27.92</b> 2.60	<b>30.16</b> 2.81	<b>32.40</b> 3.01	<b>34.65</b> 3.22	<b>36.89</b> 3.43	<b>39.13</b> 3.64	<b>41.37</b> 3.85	<b>43.61</b> 4.06
<b>120</b> 3.00	<b>3.47</b> 0.32	<b>5.84</b> 0.54	<b>8.22</b> 0.76	<b>10.60</b> 0.99	<b>12.97</b> 1.21	<b>15.35</b> 1.43	<b>17.73</b> 1.65	<b>20.11</b> 1.87	<b>22.48</b> 2.09	<b>24.86</b> 2.31	<b>27.24</b> 2.53	<b>29.61</b> 2.75	<b>31.99</b> 2.98	<b>34.37</b> 3.20	<b>36.75</b> 3.42	<b>39.12</b> 3.64	<b>41.50</b> 3.86	<b>43.88</b> 4.08	<b>46.25</b> 4.30

## PRESSURE DROP



## WATER PENETRATION GRAPH

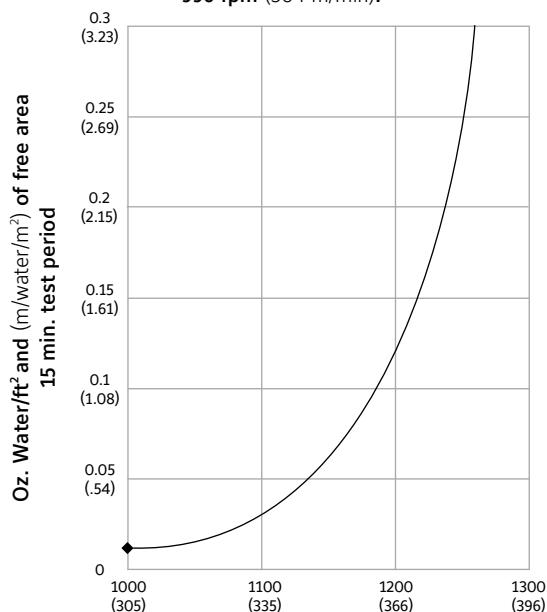
AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500-L is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

The louver system should be designed with a reasonable safety factor for louver performance. To ensure protection from water carryover design with a performance level somewhat below maximum desired pressure drop and .01 oz./sq. ft. of water penetration.



Ruskin Company certifies that the EME420DDE 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 air performance ratings, water penetration ratings, and wind driven rain ratings only.

**Test size 48" wide X 48" high (1219 X 1219)  
Beginning point of water penetration at .01 oz. /sq. ft. is above  
996 fpm (304 m/min).**



## WIND-DRIVEN RAIN PERFORMANCE

Test size is 1m x 1m (39" x 39") core area, 1.04m x 1.12m (41" x 44") nominal. Free Area of test louver is 5.45 ft<sup>2</sup> (.51m<sup>2</sup>).

### 29 mph (13 m/s) wind & 3" (76) per hour rain conditions

Core Velocity, fpm (m/s)	Airflow cfm (m <sup>3</sup> /min)	Free Area Velocity, fpm (m/sec.)	Effectiveness Ratio	Class <sub>3</sub>
0 (0)	0 (0)	0 (0)	99.9%	A
0 (0)	0 (0)	0 (0)	99.9%	A
0 (0)	0 (0)	0 (0)	99.9%	A
283 (1.4)	3052 (86.4)	726 (221.3)	99.9%	A
376 (1.9)	4049 (114.7)	964 (293.8)	99.9%	A
464 (2.4)	4992 (141.4)	1190 (362.7)	99.1%	A
578 (2.9)	6224 (176.3)	1482 (451.9)	96.5%	B
681 (3.5)	7334 (207.7)	1746 (532.2)	93.2%	C

### 50 mph (22 m/s) wind & 8" (203) per hour rain conditions

Core Velocity, fpm (m/s)	Airflow cfm (m <sup>3</sup> /min)	Free Area Velocity, fpm (m/sec.)	Effectiveness Ratio	Class <sub>3</sub>
0 (0)	0 (0)	0 (0)	99.9%	A
101 (.5)	1084 (30.7)	259 (78.9)	99.8%	A
175 (.9)	1889 (53.5)	349 (136.9)	99.7%	A
296 (1.5)	3189 (90.3)	759 (231.3)	99.3%	A
390 (2.0)	4199 (118.9)	1000 (304.8)	98.3%	B
491 (2.5)	5289 (149.8)	1259 (383.7)	97.2%	B
567 (2.9)	6104 (172.9)	1454 (443.2)	96.0%	B
687 (3.5)	7392 (209.3)	1762 (537.1)	91.6%	C

#### NOTE:

- Core area is the open area of the louver face (face area less louver frames). Core Velocity is the airflow velocity through the Core Area of the louver (1m x 1m).
- Free Area of test size is calculated per AMCA standard 500-L.
- Wind Driven Rain Penetration Classes:
 

Class	Effectiveness
A	1 to .99
B	0.989 to 0.95
C	0.949 to 0.80
D	Below 0.8
- Intake Discharge Loss Class 3  
Discharge Loss Coefficient is calculated by dividing a louvers' actual airflow rate vs. a theoretical airflow for the opening. It provides an indication of the louvers' airflow characteristics.

#### Discharge Loss Classes:

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

(The higher the coefficient, the less resistance to airflow.)

- The AMCA Wind Driven Rain Test is performed in a laboratory environment and incorporates controlled wind, water and system airflow effects. In actual field installations, storms may create conditions not considered by the AMCA test. Penthouse and similar applications where wind can pass through multiple louvers in an enclosure is another condition that is not simulated by AMCA tests. These applications can create elevated water penetration rates through any louver. Because of these uncontrolled situations, it is recommended that provisions to manage water penetration through louvers be included in the building design.

## AMCA550 CONTROL DAMPERS OPTIONS

### CD40 (Thin Line Control Damper)

(The CD40 combines the lowest leakage attainable-6cfm/sq.ft. at 4" w.g. with thin line, 4" overall depth when the damper is completely open.)

- ▶ Damper Frame and Blade Depth 4"
- ▶ Max Single Section 60"x 72"
- ▶ Opposed Blade
- ▶ Mill Finish
- ▶ Factory-Installed, pneumatic and electric actuators
- ▶ SP100 Switch Package
- ▶ Jack shafted or Extended Shaft option
- ▶ Concealed Linkage

### CD50

(The CD50 is a low Leak, extruded aluminum damper designed with air foil blades for higher velocities and pressure HVAC systems. It meets the leakage requirements of the International energy Conservation Code by leaking less than 3cfm.sq.ft. at 1" of static pressure and is AMCA licensed as a Class 1A damper)

- ▶ Air Leakage AMCA Class 1A
- ▶ Damper Frame Depth is 5" and Blade width is 6"
- ▶ Max Single Section 60"x 72"
- ▶ Opposed Blade
- ▶ Mill Finish
- ▶ Factory-Installed, pneumatic and electric actuators
- ▶ SP100 Switch Package
- ▶ Jack shafted or Extended Shaft option
- ▶ Concealed Linkage

## AMCA550 SMOKE DAMPERS OPTIONS

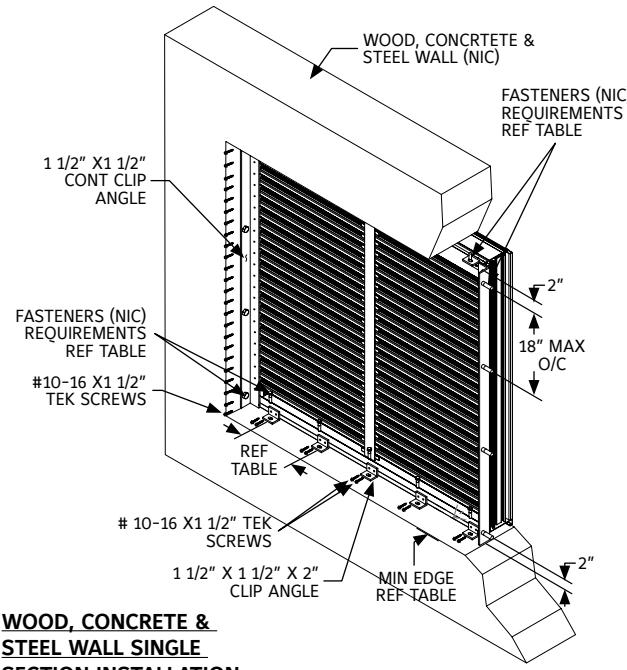
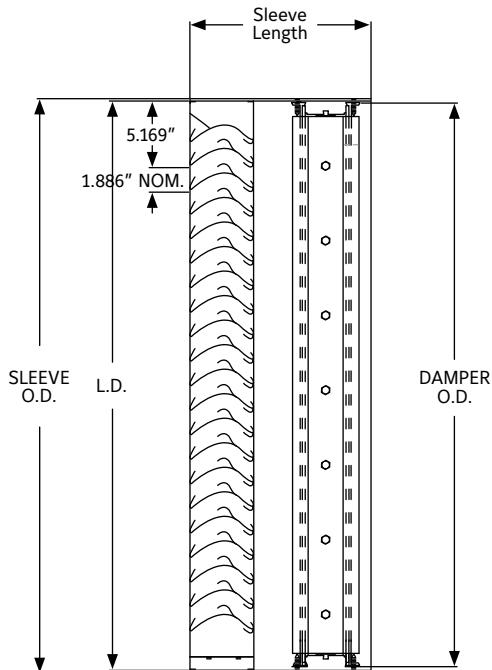
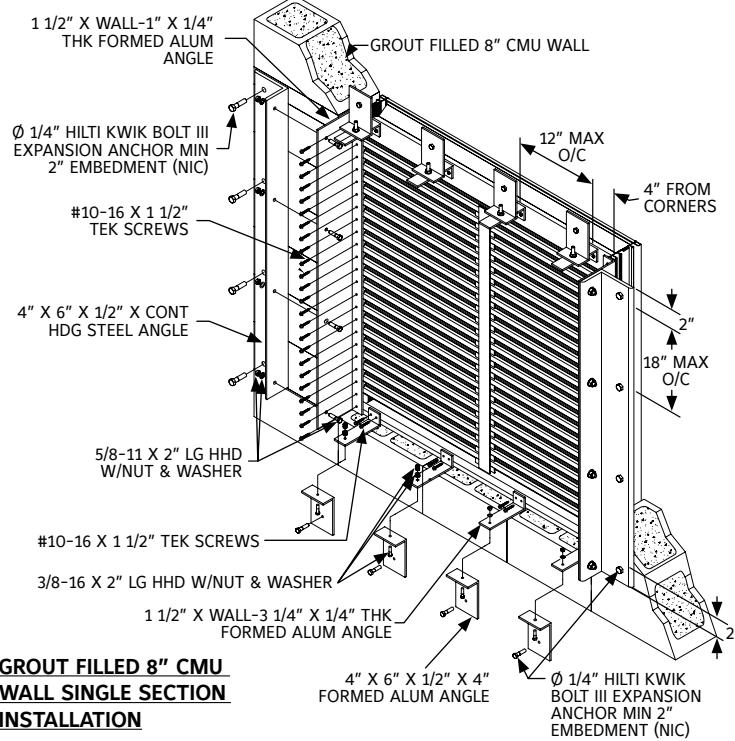
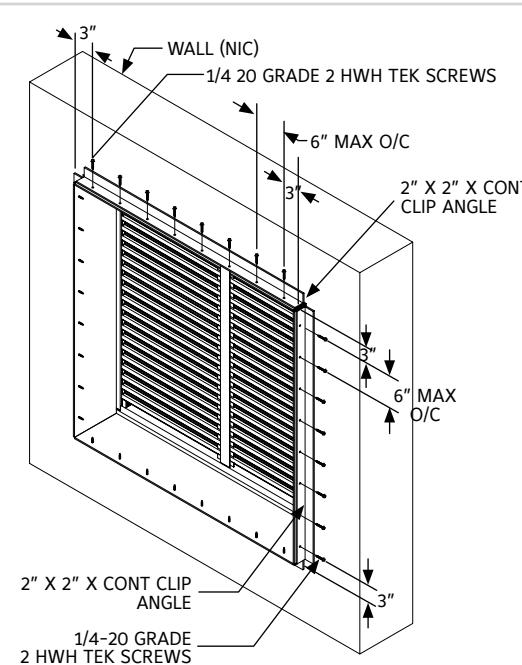
### SD60 (UL555S Leakage Class 1 Damper)

(The SD60 is an ultra-low leakage rated smoke damper used in ducts that penetrate smoke rated barriers.)

- ▶ Air Leakage Class 1
- ▶ Damper Frame Depth is 5" and Blade width is 6"
- ▶ Max Single Section 48"x 72"
- ▶ Opposed Blade

- ▶ Mill Finish
- ▶ Factory-Installed, pneumatic and electric actuators
- ▶ SP100 Switch Package
- ▶ Jack shafted or Extended Shaft option
- ▶ Concealed Linkage

## TYPICAL INSTALLATION DETAILS



- Reference separate Installation Instruction sheets for installation details. It is the responsibility of the installing contractor to properly install the louvers per the appropriate detail.
- Louvers wider than the maximum single section width will be shipped in multiple sections and will require field assembly. Field assembly is not by Ruskin.

## SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Drainable stationary louver and meeting the performance criteria established by AMCA and tested to TAS 203 (Cyclic Wind Loading), as called out in AMCA540. Louvers shall be manufactured in an ISO 9001 certified factory. Louvers shall be stationary type contained within a 4" (102) frame. Louver components (heads, jambs, sills, blades, and mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required.

Louvers shall be Ruskin Model EME420DDE construction as follows:

### Material

Frame: .081" (2.1) aluminum channel.

Blades: .063" (1.6) nominal wall thickness.

Screen: 5/8" mesh x .040" (16 x 1) expanded flattened aluminum bird screen in removable frame. Drainable blades are positioned at 37 1/2°.

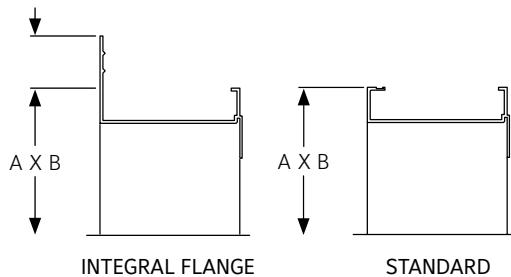
Finish: Select finish specification from Ruskin/Valspar Finishes Brochure.

Published louver performance data bearing the AMCA Certified Ratings Seal for Air Performance and Water Penetration must be submitted for approval prior to fabrication and must demonstrate pressure drop equal to or less than the Ruskin model specified.

### Structural Design

Integral structural supports can be designed and furnished by the louver manufacturer to carry a wind load of not less than ±120 psf (5.74 kPa).

## FRAME CONSTRUCTION OPTIONS



### LINKS TO IMPORTANT DOCUMENTS

#### Document Title

Paint Finishes and Color Guide

Limited Warranty Document



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