

# L375D

## High Performance Stationary Louver Drainable Blade Roll Formed Steel

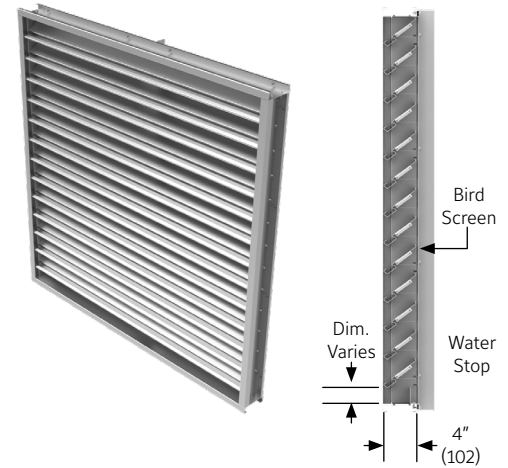


### APPLICATION

The L375D is a 4" stationary louver with roll formed economical galvanized steel construction. This louver is designed with a drainable gutter system channeling water from blades to the downspouts in the jambs, where water is exhausted out the front of the louver.

### STANDARD CONSTRUCTION

<b>Frame</b>	4" (102) deep, 16 (1.5) gauge galvanized steel.
<b>Blades</b>	16 (1.5) gauge galvanized steel. Drainable blades are positioned at 37 1/2° angle and spaced approximately 3 1/2" (89) center to center.
<b>Screen</b>	1/2" mesh x 19 (1.1) gauge galvanized bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.
<b>Finish</b>	Mill.
<b>Minimum Size</b>	12"w x 12"h (305 x 305).
<b>Approximate Shipping Weight</b>	7 lbs. per sq. ft
<b>Maximum Factory Assembly Size</b>	120" x 90" (3048 x 2286) or 90" x 120" (2286 x 3048) Louvers larger than the maximum factory assembly size will require field assembly of smaller sections.



### FEATURES

- ▶ Published performance ratings based on testing in accordance with AMCA Publication 511
- ▶ 51% Free Area
- ▶ High free area, low pressure drop, low water penetration
- ▶ Drain gutters in each blade and down-spouts in jambs and mullions to drain water from louver for minimum water cascade from blade to blade
- ▶ Economical galvanized steel construction

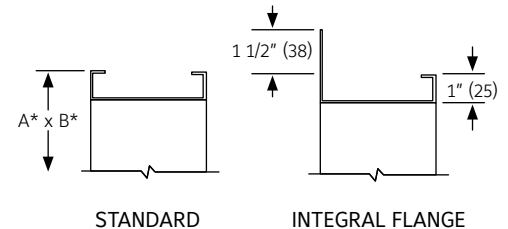
### VARIATIONS

Variations to the basic design of this louver are available at additional cost. They include:

- ▶ Stainless steel constructions
- ▶ Extended sill
- ▶ Hinged frame
- ▶ Front or rear security bars
- ▶ Filter racks
- ▶ Single/double doors
- ▶ Blank off panels
- ▶ A variety of bird and insect screens
- ▶ 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.

### FRAME CONSTRUCTION



Note:

- Dimensions in inches, parenthesis ( ) indicate millimeters.
- Units can be furnished actual size or with size deducts.

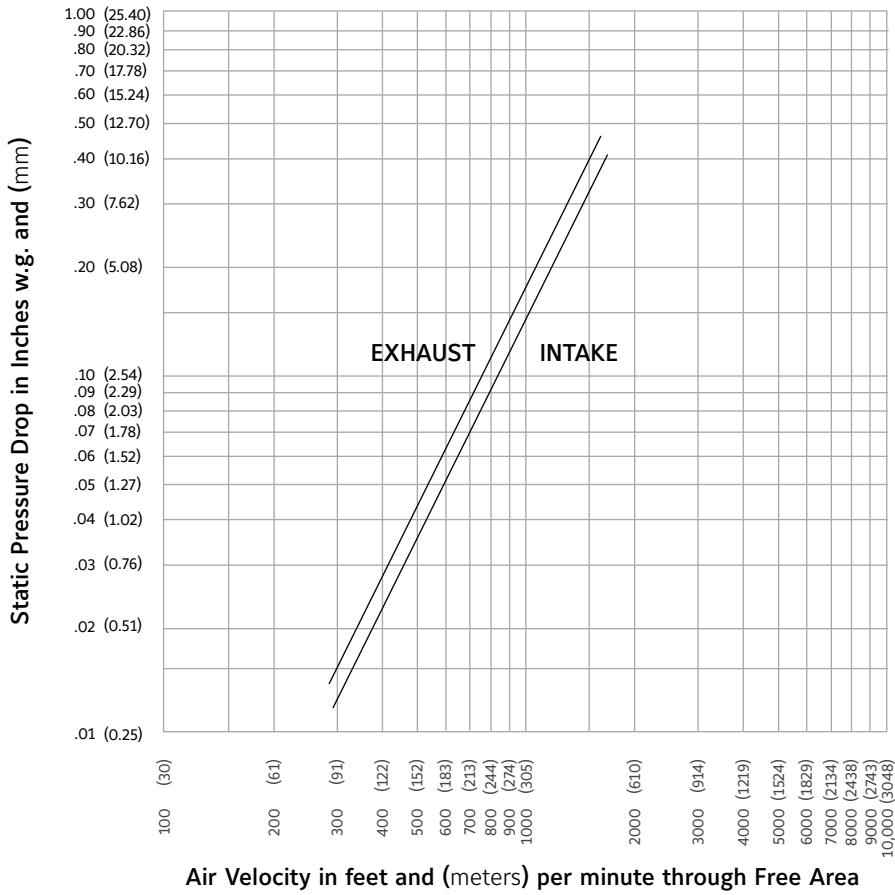
# FREE AREA GUIDE

Free Area Guide shows free area in ft<sup>2</sup> and m<sup>2</sup> for various sizes of L375D.

## Width – Inches and Meters

		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
Height – Inches and Meters		0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	3.00
	<b>12</b> 0.30	<b>0.28</b> 0.03	<b>0.45</b> 0.04	<b>0.62</b> 0.06	<b>0.79</b> 0.07	<b>0.96</b> 0.09	<b>1.13</b> 0.10	<b>1.30</b> 0.12	<b>1.47</b> 0.14	<b>1.64</b> 0.15	<b>1.81</b> 0.17	<b>1.98</b> 0.18	<b>2.15</b> 0.20	<b>2.32</b> 0.22	<b>2.49</b> 0.23	<b>2.66</b> 0.25	<b>2.83</b> 0.26	<b>3.00</b> 0.28	<b>3.17</b> 0.29	<b>3.34</b> 0.31
	<b>18</b> 0.45	<b>0.52</b> 0.05	<b>0.84</b> 0.08	<b>1.16</b> 0.11	<b>1.48</b> 0.14	<b>1.80</b> 0.17	<b>2.11</b> 0.20	<b>2.43</b> 0.23	<b>2.75</b> 0.26	<b>3.07</b> 0.29	<b>3.39</b> 0.32	<b>3.71</b> 0.35	<b>4.03</b> 0.37	<b>4.35</b> 0.40	<b>4.67</b> 0.43	<b>4.99</b> 0.46	<b>5.31</b> 0.49	<b>5.63</b> 0.52	<b>5.94</b> 0.55	<b>6.26</b> 0.58
	<b>24</b> 0.60	<b>0.76</b> 0.07	<b>1.23</b> 0.11	<b>1.70</b> 0.16	<b>2.17</b> 0.20	<b>2.63</b> 0.24	<b>3.10</b> 0.29	<b>3.57</b> 0.33	<b>4.04</b> 0.38	<b>4.51</b> 0.42	<b>4.98</b> 0.46	<b>5.44</b> 0.51	<b>5.91</b> 0.55	<b>6.38</b> 0.59	<b>6.85</b> 0.64	<b>7.32</b> 0.68	<b>7.79</b> 0.72	<b>8.25</b> 0.77	<b>8.72</b> 0.81	<b>9.19</b> 0.85
	<b>30</b> 0.75	<b>1.00</b> 0.09	<b>1.62</b> 0.15	<b>2.24</b> 0.21	<b>2.86</b> 0.27	<b>3.47</b> 0.32	<b>4.09</b> 0.38	<b>4.71</b> 0.44	<b>5.33</b> 0.50	<b>5.94</b> 0.55	<b>6.56</b> 0.61	<b>7.18</b> 0.67	<b>7.80</b> 0.72	<b>8.41</b> 0.78	<b>9.03</b> 0.84	<b>9.65</b> 0.90	<b>10.37</b> 0.95	<b>10.88</b> 1.01	<b>11.50</b> 1.07	<b>12.12</b> 1.13
	<b>36</b> 0.90	<b>1.27</b> 0.12	<b>2.05</b> 0.19	<b>2.83</b> 0.26	<b>3.61</b> 0.34	<b>4.39</b> 0.41	<b>5.17</b> 0.48	<b>5.95</b> 0.55	<b>6.74</b> 0.63	<b>7.52</b> 0.70	<b>8.30</b> 0.77	<b>9.08</b> 0.84	<b>9.86</b> 0.92	<b>10.64</b> 0.99	<b>11.42</b> 1.06	<b>12.20</b> 1.13	<b>12.98</b> 1.21	<b>13.76</b> 1.28	<b>14.54</b> 1.35	<b>15.32</b> 1.43
	<b>42</b> 1.05	<b>1.51</b> 0.14	<b>2.44</b> 0.23	<b>3.37</b> 0.31	<b>4.30</b> 0.40	<b>5.23</b> 0.49	<b>6.16</b> 0.57	<b>7.09</b> 0.66	<b>8.02</b> 0.75	<b>8.95</b> 0.83	<b>9.88</b> 0.92	<b>10.81</b> 1.01	<b>11.74</b> 1.09	<b>12.67</b> 1.18	<b>13.60</b> 1.26	<b>14.53</b> 1.35	<b>15.46</b> 1.44	<b>16.39</b> 1.52	<b>17.32</b> 1.61	<b>18.25</b> 1.70
	<b>48</b> 1.20	<b>1.75</b> 0.16	<b>2.83</b> 0.26	<b>3.91</b> 0.36	<b>4.99</b> 0.46	<b>6.07</b> 0.56	<b>7.15</b> 0.66	<b>8.23</b> 0.77	<b>9.31</b> 0.87	<b>10.39</b> 0.87	<b>11.47</b> 1.07	<b>12.55</b> 1.17	<b>13.62</b> 1.27	<b>14.70</b> 1.37	<b>15.78</b> 1.47	<b>16.86</b> 1.57	<b>17.94</b> 1.67	<b>19.02</b> 1.77	<b>20.10</b> 1.87	<b>21.18</b> 1.97
	<b>54</b> 1.35	<b>2.00</b> 0.19	<b>3.22</b> 0.30	<b>4.45</b> 0.41	<b>5.68</b> 0.53	<b>6.91</b> 0.64	<b>8.14</b> 0.76	<b>9.37</b> 0.87	<b>10.59</b> 0.99	<b>11.82</b> 1.10	<b>13.05</b> 1.21	<b>14.28</b> 1.33	<b>15.51</b> 1.44	<b>16.74</b> 1.56	<b>17.96</b> 1.67	<b>19.19</b> 1.78	<b>20.42</b> 1.90	<b>21.65</b> 2.01	<b>22.88</b> 2.13	<b>24.11</b> 2.24
	<b>60</b> 1.50	<b>2.24</b> 0.21	<b>3.62</b> 0.34	<b>4.99</b> 0.46	<b>6.37</b> 0.59	<b>7.75</b> 0.72	<b>9.13</b> 0.85	<b>10.50</b> 0.98	<b>11.88</b> 1.10	<b>13.26</b> 1.23	<b>14.64</b> 1.36	<b>16.01</b> 1.49	<b>17.39</b> 1.62	<b>18.77</b> 1.75	<b>20.15</b> 1.87	<b>21.52</b> 2.00	<b>22.90</b> 2.13	<b>24.28</b> 2.26	<b>25.66</b> 2.39	<b>27.03</b> 2.51
	<b>66</b> 1.65	<b>2.50</b> 0.23	<b>4.04</b> 0.38	<b>5.59</b> 0.52	<b>7.13</b> 0.66	<b>8.67</b> 0.81	<b>10.21</b> 0.95	<b>11.75</b> 1.09	<b>13.29</b> 1.24	<b>14.83</b> 1.38	<b>16.37</b> 1.52	<b>17.91</b> 1.67	<b>19.45</b> 1.81	<b>20.99</b> 1.95	<b>22.54</b> 2.10	<b>24.08</b> 2.24	<b>25.62</b> 2.38	<b>27.16</b> 2.53	<b>28.70</b> 2.67	<b>30.24</b> 2.81
	<b>72</b> 1.80	<b>2.75</b> 0.26	<b>4.44</b> 0.41	<b>6.13</b> 0.57	<b>7.82</b> 0.73	<b>9.51</b> 0.88	<b>11.20</b> 1.04	<b>12.89</b> 1.20	<b>14.58</b> 1.36	<b>16.27</b> 1.51	<b>17.96</b> 1.67	<b>19.65</b> 1.83	<b>21.34</b> 1.98	<b>23.03</b> 2.14	<b>24.72</b> 2.30	<b>26.41</b> 2.46	<b>28.10</b> 2.61	<b>29.79</b> 2.77	<b>31.48</b> 2.93	<b>33.17</b> 3.08
	<b>78</b> 1.95	<b>2.99</b> 0.28	<b>4.83</b> 0.45	<b>6.67</b> 0.62	<b>8.51</b> 0.79	<b>10.35</b> 0.96	<b>12.18</b> 1.13	<b>14.02</b> 1.30	<b>15.86</b> 1.48	<b>17.70</b> 1.65	<b>19.54</b> 1.82	<b>21.38</b> 1.99	<b>23.22</b> 2.16	<b>25.06</b> 2.33	<b>26.90</b> 2.50	<b>28.74</b> 2.67	<b>30.58</b> 2.84	<b>32.42</b> 3.01	<b>34.25</b> 3.19	<b>36.09</b> 3.36
	<b>84</b> 2.10	<b>3.23</b> 0.30	<b>5.22</b> 0.49	<b>7.21</b> 0.67	<b>9.20</b> 0.86	<b>11.18</b> 1.04	<b>13.17</b> 1.23	<b>15.16</b> 1.41	<b>17.15</b> 1.59	<b>19.14</b> 1.78	<b>21.13</b> 1.96	<b>23.11</b> 2.15	<b>25.10</b> 2.33	<b>27.09</b> 2.52	<b>29.08</b> 2.70	<b>31.07</b> 2.89	<b>33.06</b> 3.07	<b>35.04</b> 3.26	<b>37.03</b> 3.44	<b>39.02</b> 3.63
	<b>90</b> 2.25	<b>3.50</b> 0.33	<b>5.65</b> 0.53	<b>7.80</b> 0.73	<b>9.95</b> 0.93	<b>12.10</b> 1.13	<b>14.26</b> 1.33	<b>16.41</b> 1.53	<b>18.56</b> 1.73	<b>20.71</b> 1.93	<b>22.86</b> 2.13	<b>25.01</b> 2.33	<b>27.17</b> 2.53	<b>29.32</b> 2.73	<b>31.47</b> 2.93	<b>33.62</b> 3.13	<b>35.77</b> 3.33	<b>37.92</b> 3.53	<b>40.08</b> 3.73	<b>42.23</b> 3.93
	<b>96</b> 2.40	<b>3.74</b> 0.35	<b>6.04</b> 0.56	<b>8.34</b> 0.78	<b>10.64</b> 0.99	<b>12.94</b> 1.20	<b>15.24</b> 1.42	<b>17.54</b> 1.63	<b>19.85</b> 1.85	<b>22.15</b> 2.06	<b>24.45</b> 2.27	<b>26.75</b> 2.49	<b>29.05</b> 2.70	<b>31.35</b> 2.92	<b>33.65</b> 3.13	<b>35.85</b> 3.34	<b>38.25</b> 3.56	<b>40.55</b> 3.77	<b>42.85</b> 3.99	<b>45.16</b> 4.20
	<b>102</b> 2.55	<b>3.98</b> 0.37	<b>6.43</b> 0.60	<b>8.88</b> 0.83	<b>11.33</b> 1.05	<b>13.78</b> 1.28	<b>16.23</b> 1.51	<b>18.68</b> 1.74	<b>21.13</b> 1.97	<b>23.58</b> 2.19	<b>26.03</b> 2.42	<b>28.48</b> 2.65	<b>30.93</b> 2.88	<b>33.38</b> 3.10	<b>35.83</b> 3.33	<b>38.28</b> 3.56	<b>40.73</b> 3.79	<b>43.98</b> 4.02	<b>45.63</b> 4.24	<b>48.08</b> 4.47
	<b>108</b> 2.70	<b>4.22</b> 0.39	<b>6.82</b> 0.63	<b>9.42</b> 0.88	<b>12.02</b> 1.12	<b>14.62</b> 1.36	<b>17.22</b> 1.60	<b>19.82</b> 1.84	<b>22.42</b> 2.08	<b>25.02</b> 2.33	<b>27.62</b> 2.57	<b>30.22</b> 2.81	<b>32.81</b> 3.05	<b>35.41</b> 3.29	<b>38.01</b> 3.54	<b>40.61</b> 3.78	<b>43.21</b> 4.02	<b>45.81</b> 4.26	<b>48.41</b> 4.50	<b>51.01</b> 4.74
	<b>114</b> 2.85	<b>4.49</b> 0.42	<b>7.25</b> 0.67	<b>10.01</b> 0.93	<b>12.78</b> 1.19	<b>15.54</b> 1.45	<b>18.30</b> 1.70	<b>21.07</b> 1.96	<b>23.83</b> 2.22	<b>26.59</b> 2.47	<b>29.35</b> 2.73	<b>32.12</b> 2.99	<b>34.88</b> 3.24	<b>37.64</b> 3.50	<b>40.40</b> 3.76	<b>43.17</b> 4.01	<b>45.93</b> 4.27	<b>48.69</b> 4.53	<b>51.45</b> 4.79	<b>54.22</b> 5.04
	<b>120</b> 3.00	<b>4.73</b> 0.44	<b>7.64</b> 0.71	<b>10.56</b> 0.98	<b>13.47</b> 1.25	<b>16.38</b> 1.52	<b>19.29</b> 1.79	<b>22.20</b> 2.06	<b>25.11</b> 2.34	<b>28.03</b> 2.61	<b>30.94</b> 2.88	<b>33.85</b> 3.15	<b>36.76</b> 3.42	<b>39.67</b> 3.69	<b>42.58</b> 3.96	<b>45.50</b> 4.23	<b>48.41</b> 4.50	<b>51.32</b> 4.77	<b>54.23</b> 5.04	<b>57.14</b> 5.31

# PRESSURE DROP



Ratings do not include the effect of a bird screen.



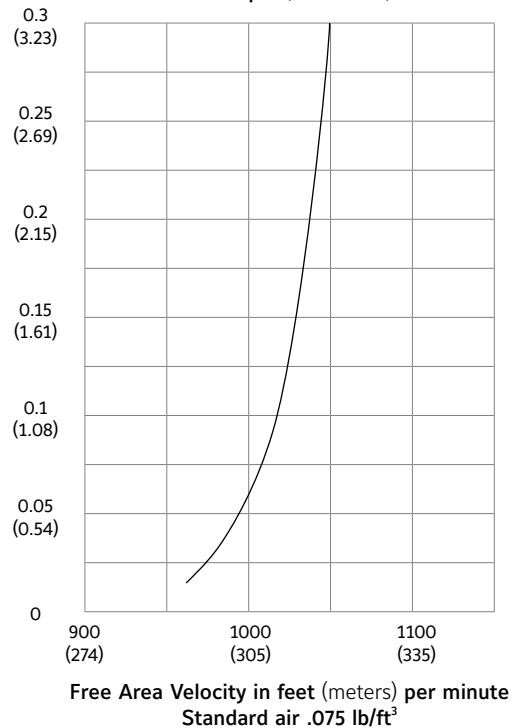
Ruskin Manufacturing Company certifies that the L375D Louvers shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air performance and water penetration ratings.

## PERFORMANCE DATA

AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500 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.

Designs should provide a reasonable safety factor for louver performance by selecting at some point below pressure drop or water penetration system requirements.

**Water penetration**  
**Test size 48" wide X 48"**  
**Beginning point of water penetration at .01 oz./sq.ft.**  
**is 961 fpm (274 m/min).**



## SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary drainable type entirely contained within a 4" (102) frame. Louvers shall include a drain gutter in each blade and downspouts in jambs and mullions. 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. Louver design shall limit span between visible mullion to 10 (3) feet and shall incorporate structural supports required to withstand a wind load of 30 lbs. per sq. ft. (1.44kPa) equivalent of a 110 mph (177 kph) wind - specifier may substitute any loading required).

Louvers shall be Ruskin Model L375D construction as follows:

Frame: 16 gauge (1.5) galvanized steel.

Blades: 16 gauge (1.5) galvanized steel at 37 1/2° angle on approximate 3 1/2" (89) centers.

Screen: 19 gauge (1.1) galvanized 1/2" (13) mesh screen.

Finish: Select finish specification from Ruskin Finishes Brochure.

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

### **i** LINKS TO IMPORTANT DOCUMENTS

Document Title
Paint Finishes and Color Guide
Limited Warranty Document



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