

# 4375FD

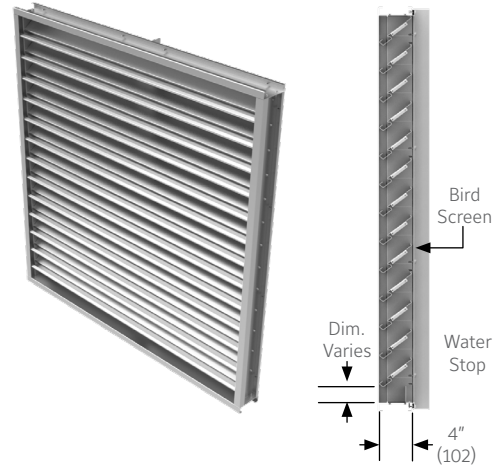
## High Performance Stationary Louver | Drainable Blade Roll Formed Steel

### APPLICATION

The 4375FD is a high performance stationary louver with drainable blades and roll formed steel with economical galvanized steel construction. In addition, this louver has low pressure drop and water penetration with architecturally styled hidden mullions allowing for a continuous line appearance.

### STANDARD CONSTRUCTION

<b>Frame</b>	4" (102) deep, 16 (1.5) gauge galvanized steel.
<b>Blades</b>	16 (1.5) gauge galvanized steel. Drain able 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"w x 90"h (3048 x 2286) or 90"w x 120"h (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
- Beginning of water penetration at .01 oz/sq ft. is 961 fpm (274 m/min)
- Drain gutters in each blade and downspouts in jambs and mullions to drain water from louver for minimum water cascade from blade to blade.
- Economical galvanized steel construction
- 51% Free Area

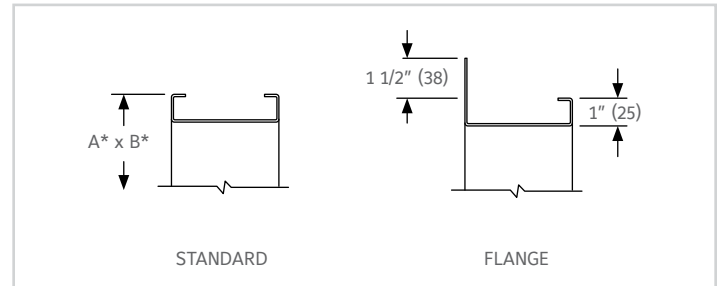
### VARIATIONS

Variations to the basic design of these louvers are available at additional cost. They include:

- Extended sill
- Stainless steel constructions
- 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: baked enamel (modified fluoropolymer), epoxy, PVDF, Acrodize and Prime coat
- 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 Reliable 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

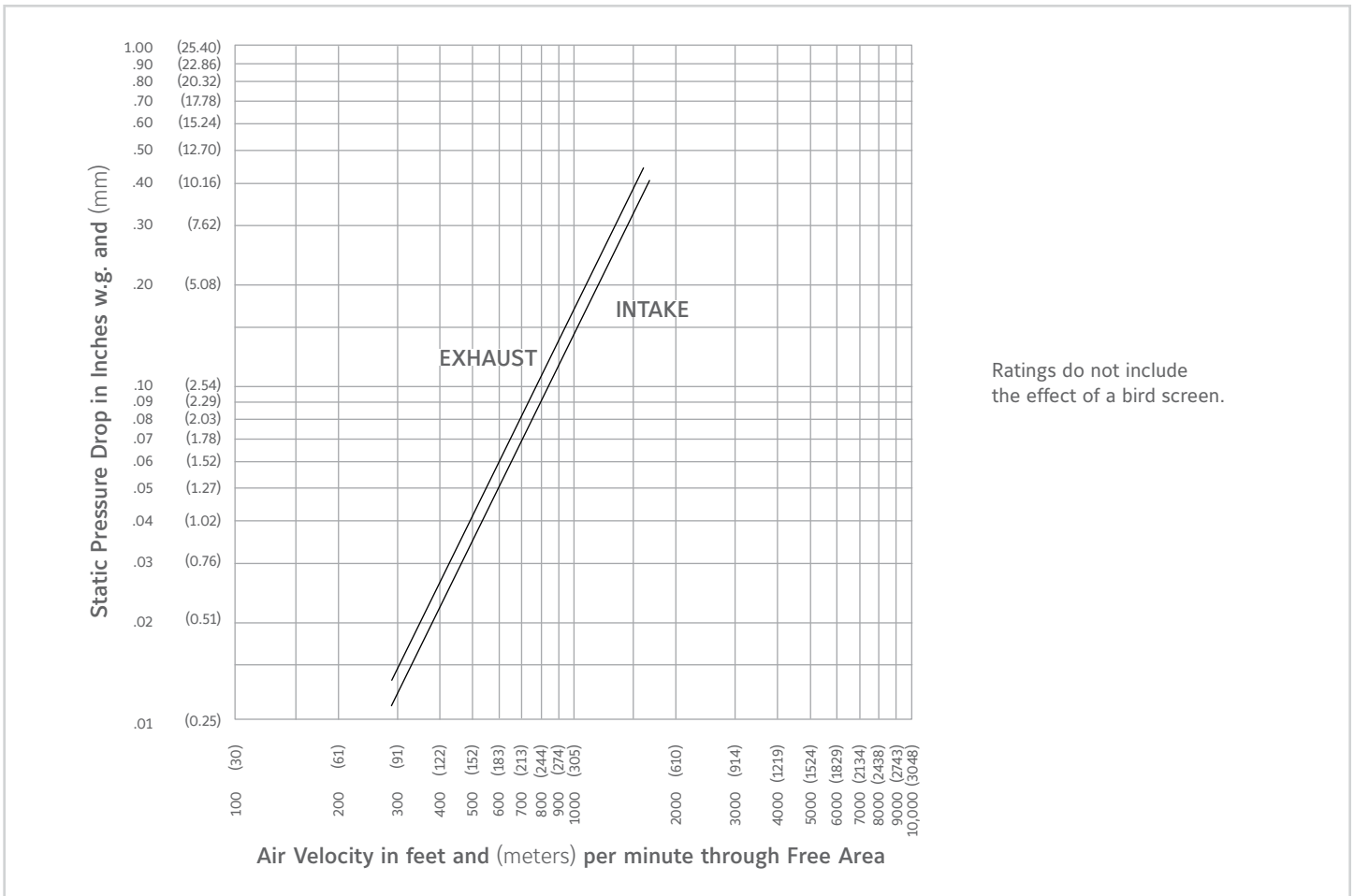
Free Area Guide shows free area in ft<sup>2</sup> and m<sup>2</sup> for various sizes of 4375FD.



		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>	<b>0.28</b>	<b>0.45</b>	<b>0.62</b>	<b>0.79</b>	<b>0.96</b>	<b>1.13</b>	<b>1.30</b>	<b>1.47</b>	<b>1.64</b>	<b>1.81</b>	<b>1.98</b>	<b>2.15</b>	<b>2.32</b>	<b>2.49</b>	<b>2.66</b>	<b>2.83</b>	<b>3.00</b>	<b>3.17</b>	<b>3.34</b>
	<b>18</b>	<b>0.52</b>	<b>0.84</b>	<b>1.16</b>	<b>1.48</b>	<b>1.80</b>	<b>2.11</b>	<b>2.43</b>	<b>2.75</b>	<b>3.07</b>	<b>3.39</b>	<b>3.71</b>	<b>4.03</b>	<b>4.35</b>	<b>4.67</b>	<b>4.99</b>	<b>5.31</b>	<b>5.63</b>	<b>5.94</b>	<b>6.26</b>
	<b>24</b>	<b>0.76</b>	<b>1.23</b>	<b>1.70</b>	<b>2.17</b>	<b>2.63</b>	<b>3.10</b>	<b>3.57</b>	<b>4.04</b>	<b>4.51</b>	<b>4.98</b>	<b>5.44</b>	<b>5.91</b>	<b>6.38</b>	<b>6.85</b>	<b>7.32</b>	<b>7.79</b>	<b>8.25</b>	<b>8.72</b>	<b>9.19</b>
	<b>30</b>	<b>1.00</b>	<b>1.62</b>	<b>2.24</b>	<b>2.86</b>	<b>3.47</b>	<b>4.09</b>	<b>4.71</b>	<b>5.33</b>	<b>5.94</b>	<b>6.56</b>	<b>7.18</b>	<b>7.80</b>	<b>8.41</b>	<b>9.03</b>	<b>9.65</b>	<b>10.37</b>	<b>10.88</b>	<b>11.50</b>	<b>12.12</b>
	<b>36</b>	<b>1.27</b>	<b>2.05</b>	<b>2.83</b>	<b>3.61</b>	<b>4.39</b>	<b>5.17</b>	<b>5.95</b>	<b>6.74</b>	<b>7.52</b>	<b>8.30</b>	<b>9.08</b>	<b>9.86</b>	<b>10.64</b>	<b>11.42</b>	<b>12.20</b>	<b>12.98</b>	<b>13.76</b>	<b>14.54</b>	<b>15.32</b>
	<b>42</b>	<b>1.51</b>	<b>2.44</b>	<b>3.37</b>	<b>4.30</b>	<b>5.23</b>	<b>6.16</b>	<b>7.09</b>	<b>8.02</b>	<b>8.95</b>	<b>9.88</b>	<b>10.81</b>	<b>11.74</b>	<b>12.67</b>	<b>13.60</b>	<b>14.53</b>	<b>15.46</b>	<b>16.39</b>	<b>17.32</b>	<b>18.25</b>
	<b>48</b>	<b>1.75</b>	<b>2.83</b>	<b>3.91</b>	<b>4.99</b>	<b>6.07</b>	<b>7.15</b>	<b>8.23</b>	<b>9.31</b>	<b>10.39</b>	<b>11.47</b>	<b>12.55</b>	<b>13.62</b>	<b>14.70</b>	<b>15.78</b>	<b>16.86</b>	<b>17.94</b>	<b>19.02</b>	<b>20.10</b>	<b>21.18</b>
	<b>54</b>	<b>2.00</b>	<b>3.22</b>	<b>4.45</b>	<b>5.68</b>	<b>6.91</b>	<b>8.14</b>	<b>9.37</b>	<b>10.59</b>	<b>11.82</b>	<b>13.05</b>	<b>14.28</b>	<b>15.51</b>	<b>16.74</b>	<b>17.96</b>	<b>19.19</b>	<b>20.42</b>	<b>21.65</b>	<b>22.88</b>	<b>24.11</b>
	<b>60</b>	<b>2.24</b>	<b>3.62</b>	<b>4.99</b>	<b>6.37</b>	<b>7.75</b>	<b>9.13</b>	<b>10.50</b>	<b>11.88</b>	<b>13.26</b>	<b>14.64</b>	<b>16.01</b>	<b>17.39</b>	<b>18.77</b>	<b>20.15</b>	<b>21.52</b>	<b>22.90</b>	<b>24.28</b>	<b>25.66</b>	<b>27.03</b>
	<b>66</b>	<b>2.50</b>	<b>4.04</b>	<b>5.59</b>	<b>7.13</b>	<b>8.67</b>	<b>10.21</b>	<b>11.75</b>	<b>13.29</b>	<b>14.83</b>	<b>16.37</b>	<b>17.91</b>	<b>19.45</b>	<b>20.99</b>	<b>22.54</b>	<b>24.08</b>	<b>25.62</b>	<b>27.16</b>	<b>28.70</b>	<b>30.24</b>
	<b>72</b>	<b>2.75</b>	<b>4.44</b>	<b>6.13</b>	<b>7.82</b>	<b>9.51</b>	<b>11.20</b>	<b>12.89</b>	<b>14.58</b>	<b>16.27</b>	<b>17.96</b>	<b>19.65</b>	<b>21.34</b>	<b>23.03</b>	<b>24.72</b>	<b>26.41</b>	<b>28.10</b>	<b>29.79</b>	<b>31.48</b>	<b>33.17</b>
	<b>78</b>	<b>2.99</b>	<b>4.83</b>	<b>6.67</b>	<b>8.51</b>	<b>10.35</b>	<b>12.18</b>	<b>14.02</b>	<b>15.86</b>	<b>17.70</b>	<b>19.54</b>	<b>21.38</b>	<b>23.22</b>	<b>25.06</b>	<b>26.90</b>	<b>28.74</b>	<b>30.58</b>	<b>32.42</b>	<b>34.25</b>	<b>36.09</b>
	<b>84</b>	<b>3.23</b>	<b>5.22</b>	<b>7.21</b>	<b>9.20</b>	<b>11.18</b>	<b>13.17</b>	<b>15.16</b>	<b>17.15</b>	<b>19.14</b>	<b>21.13</b>	<b>23.11</b>	<b>25.10</b>	<b>27.09</b>	<b>29.08</b>	<b>31.07</b>	<b>33.06</b>	<b>35.04</b>	<b>37.03</b>	<b>39.02</b>
	<b>90</b>	<b>3.50</b>	<b>5.65</b>	<b>7.80</b>	<b>9.95</b>	<b>12.10</b>	<b>14.26</b>	<b>16.41</b>	<b>18.56</b>	<b>20.71</b>	<b>22.86</b>	<b>25.01</b>	<b>27.17</b>	<b>29.32</b>	<b>31.47</b>	<b>33.62</b>	<b>35.77</b>	<b>37.92</b>	<b>40.08</b>	<b>42.23</b>
	<b>96</b>	<b>3.74</b>	<b>6.04</b>	<b>8.34</b>	<b>10.64</b>	<b>12.94</b>	<b>15.24</b>	<b>17.54</b>	<b>19.85</b>	<b>22.15</b>	<b>24.45</b>	<b>26.75</b>	<b>29.05</b>	<b>31.35</b>	<b>33.65</b>	<b>35.85</b>	<b>38.25</b>	<b>40.55</b>	<b>42.85</b>	<b>45.16</b>
<b>102</b>	<b>3.98</b>	<b>6.43</b>	<b>8.88</b>	<b>11.33</b>	<b>13.78</b>	<b>16.23</b>	<b>18.68</b>	<b>21.13</b>	<b>23.58</b>	<b>26.03</b>	<b>28.48</b>	<b>30.93</b>	<b>33.38</b>	<b>35.83</b>	<b>38.28</b>	<b>40.73</b>	<b>43.98</b>	<b>45.63</b>	<b>48.08</b>	
<b>108</b>	<b>4.22</b>	<b>6.82</b>	<b>9.42</b>	<b>12.02</b>	<b>14.62</b>	<b>17.22</b>	<b>19.82</b>	<b>22.42</b>	<b>25.02</b>	<b>27.62</b>	<b>30.22</b>	<b>32.81</b>	<b>35.41</b>	<b>38.01</b>	<b>40.61</b>	<b>43.21</b>	<b>45.81</b>	<b>48.41</b>	<b>51.01</b>	
<b>114</b>	<b>4.49</b>	<b>7.25</b>	<b>10.01</b>	<b>12.78</b>	<b>15.54</b>	<b>18.30</b>	<b>21.07</b>	<b>23.83</b>	<b>26.59</b>	<b>29.35</b>	<b>32.12</b>	<b>34.88</b>	<b>37.64</b>	<b>40.40</b>	<b>43.17</b>	<b>45.93</b>	<b>48.69</b>	<b>51.45</b>	<b>54.22</b>	
<b>120</b>	<b>4.73</b>	<b>7.64</b>	<b>10.56</b>	<b>13.47</b>	<b>16.38</b>	<b>19.29</b>	<b>22.20</b>	<b>25.11</b>	<b>28.03</b>	<b>30.94</b>	<b>33.85</b>	<b>36.76</b>	<b>39.67</b>	<b>42.58</b>	<b>45.50</b>	<b>48.41</b>	<b>51.32</b>	<b>54.23</b>	<b>57.14</b>	



## PRESSURE DROP



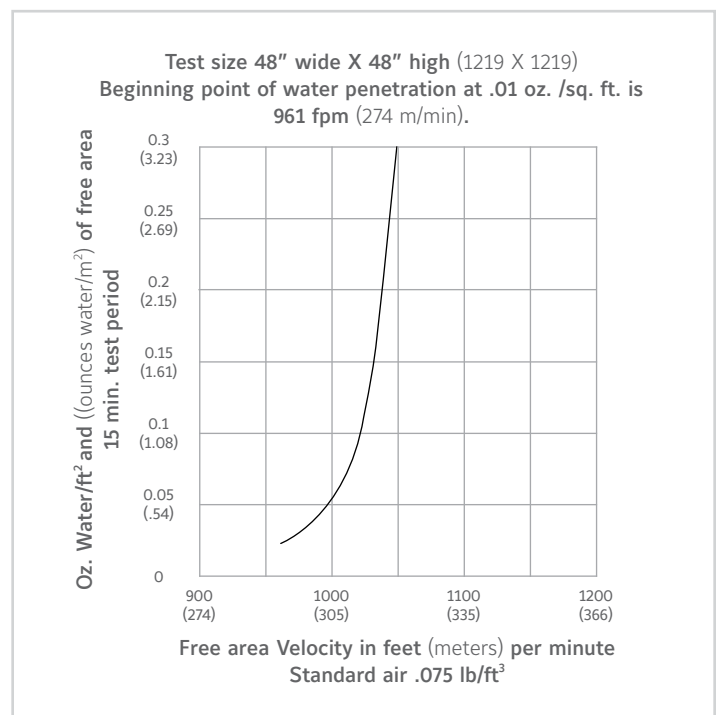
## WATER PENETRATION GRAPH

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.

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



Reliable Products certifies that the 4375FD 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 ratings and water penetration ratings only.





## 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 Reliable Model 4375FD 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 Reliable 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 Reliable model specified.

## LINKS TO IMPORTANT DOCUMENTS

Document Title
Finishes and Color Guide
Limited Warranty Document



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580, Geneva, Alabama 36340  
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