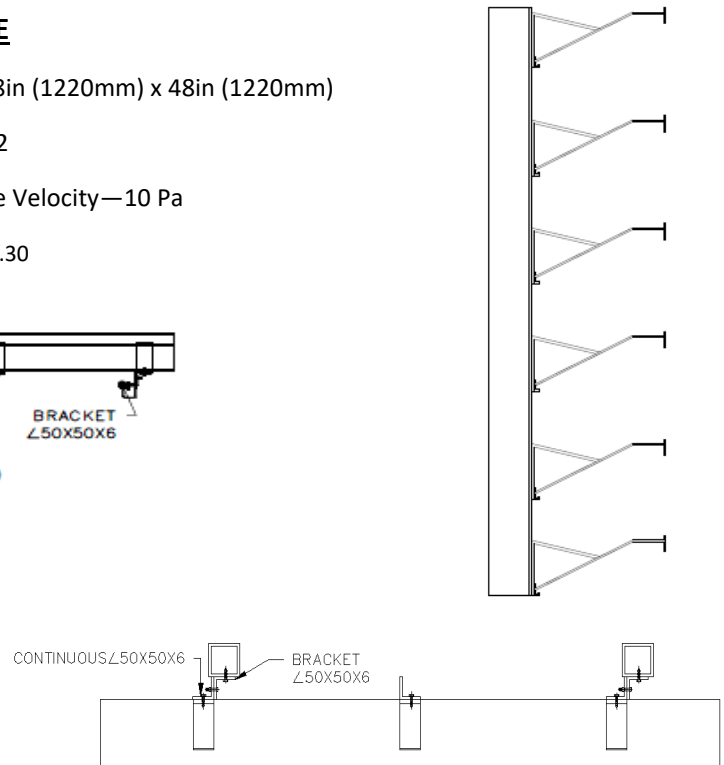
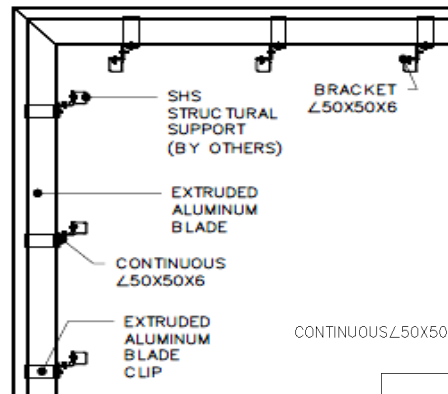
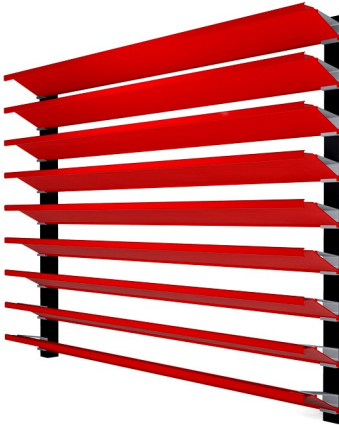


# Model—DC-650M

152mm DEEP VISION SCREEN FOR COOLING TOWERS

## AIRFLOW PERFORMANCE

- FREE AREA : 76% based on 48in (1220mm) x 48in (1220mm)
- Airflow Classification—Class 2
- Pressure Drop @ 2.5m/s Face Velocity—10 Pa
- Wind Load Reduction Factor - 0.30



## FEATURES:

- ◆ Continuous blade assembly
- ◆ Good sight-proofing characteristics—60% sight cut-off
- ◆ Adequate airflow for cooling towers in excess of 76% Free Area
- ◆ Minimum pressure drop for confined areas

## Material & Finishes:

1. DC-650M COOLING TOWER SCREEN comprises
  - a. Blades: 6" deep Horizontal Fixed Blade
  - b. Mullion: 60x60x6mm Continuous angle @ max. 1500mm o.c.
  - c. Blade Spacing: 135mm
2. Metal Thickness: Mullion 0.125inch (3.0 mm); blades 0.078 inch (1.98 mm).
3. Finish: PE-SDF / PVDF / Anodize after fabrication
4. Color: As scheduled.
5. Mullions: Concealed or Exposed.
6. Screens: Bird mesh / Insect mesh AVAILABLE AS OPTIONAL ACCESSORIES.
7. Screen location: Interior
8. Screening Material: Aluminium / Stainless Steel

## Louver Construction:

1. Wind Load Resistance: Design to resist +ve and -ve wind load of \_\_\_ psf (\_\_\_ kPa) without damage or permanent deformation.
2. Blades: One piece extrusion blades with reinforcing bosses snap-locked to heavy-gage extruded aluminum blade braces, attached to structural supports. Each blade brace is mechanically secured to structure using stainless steel fastenings.
3. Supplied semi-knocked down for field assembly.
4. Welded corner units for blade alignment and blade continuity.
5. Exposed edges and ends of metal dressed smooth, free from sharp edges.

## Warranty:

OSA louvers warranted for 2 years against defective material and workmanship, and 25 Years for PVDF Finishes.

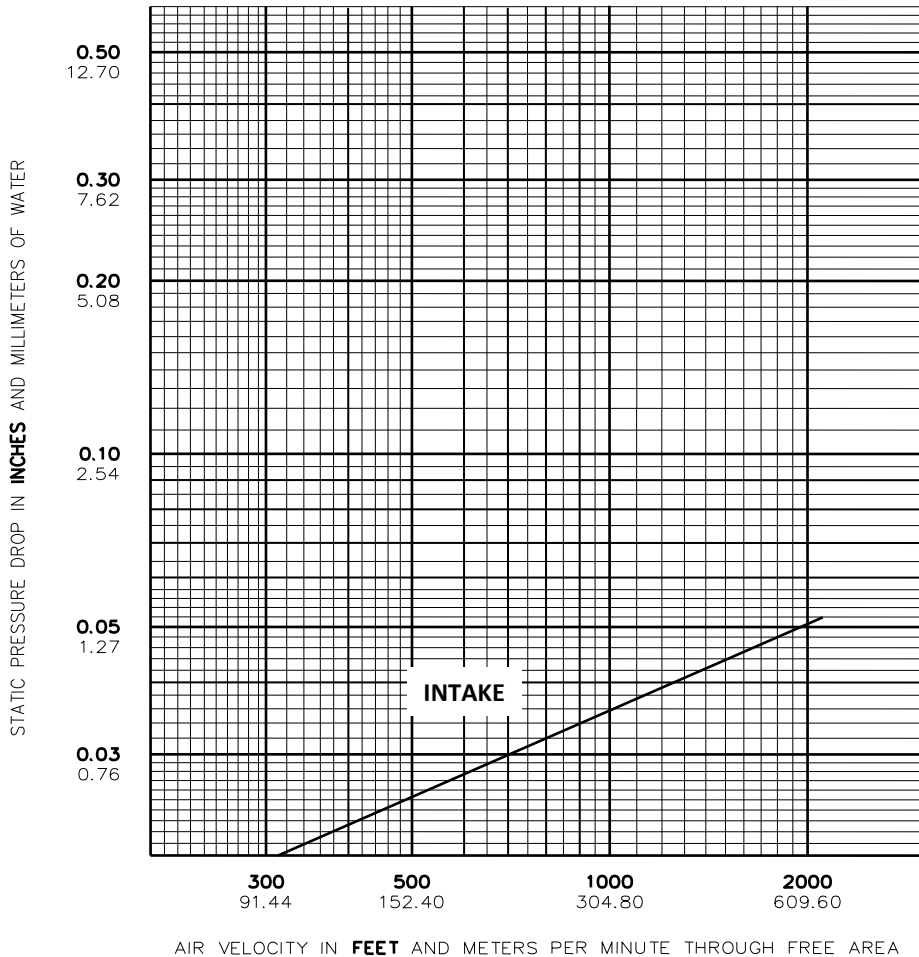
# Model—DC-650M

152mm DEEP VISION SCREEN FOR COOLING TOWERS



FREE AREA in FT· & M·  
WIDTH (IN & mm)

HEIGHT (IN & mm)	12	18	24	30	36	42	48	54	60	66	72	78	84
	304.8	457.2	609.6	762	914.4	1066.8	1219.2	1371.6	1524	1676.4	1828.8	1981.2	2133.6
<b>12</b>	<b>0.44</b>	<b>0.66</b>	<b>0.89</b>	<b>1.11</b>	<b>1.33</b>	<b>1.55</b>	<b>1.77</b>	<b>2.11</b>	<b>2.33</b>	<b>2.55</b>	<b>2.77</b>	<b>2.99</b>	<b>3.21</b>
304.8	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.20	0.22	0.24	0.26	0.28	0.30
<b>18</b>	<b>0.66</b>	<b>1.11</b>	<b>1.55</b>	<b>1.99</b>	<b>2.44</b>	<b>2.88</b>	<b>3.21</b>	<b>3.66</b>	<b>4.10</b>	<b>4.54</b>	<b>4.99</b>	<b>5.43</b>	<b>5.87</b>
457.2	0.06	0.10	0.14	0.19	0.23	0.27	0.30	0.34	0.38	0.42	0.46	0.50	0.55
<b>24</b>	<b>1.11</b>	<b>1.77</b>	<b>2.44</b>	<b>3.10</b>	<b>3.77</b>	<b>4.43</b>	<b>5.10</b>	<b>5.76</b>	<b>5.87</b>	<b>7.09</b>	<b>7.76</b>	<b>8.42</b>	<b>9.09</b>
609.6	0.10	0.16	0.23	0.29	0.35	0.41	0.47	0.54	0.55	0.66	0.72	0.78	0.84
<b>30</b>	<b>1.44</b>	<b>2.22</b>	<b>3.10</b>	<b>3.99</b>	<b>4.88</b>	<b>5.65</b>	<b>6.54</b>	<b>7.42</b>	<b>8.20</b>	<b>9.09</b>	<b>9.97</b>	<b>10.75</b>	<b>11.64</b>
762	0.13	0.21	0.29	0.37	0.45	0.53	0.61	0.69	0.76	0.84	0.93	1.00	1.08
<b>36</b>	<b>1.77</b>	<b>2.88</b>	<b>3.99</b>	<b>5.10</b>	<b>6.21</b>	<b>7.31</b>	<b>8.31</b>	<b>9.42</b>	<b>10.53</b>	<b>11.64</b>	<b>12.74</b>	<b>13.85</b>	<b>14.85</b>
914.4	0.16	0.27	0.37	0.47	0.58	0.68	0.77	0.88	0.98	1.08	1.18	1.29	1.38
<b>42</b>	<b>2.11</b>	<b>3.44</b>	<b>4.65</b>	<b>5.98</b>	<b>7.20</b>	<b>8.53</b>	<b>9.75</b>	<b>11.08</b>	<b>12.30</b>	<b>13.63</b>	<b>14.96</b>	<b>16.18</b>	<b>17.51</b>
1066.8	0.20	0.32	0.43	0.56	0.67	0.79	0.91	1.03	1.14	1.27	1.39	1.50	1.63
<b>48</b>	<b>2.55</b>	<b>3.99</b>	<b>5.54</b>	<b>7.09</b>	<b>8.64</b>	<b>10.08</b>	<b>11.64</b>	<b>13.19</b>	<b>14.63</b>	<b>16.18</b>	<b>17.73</b>	<b>19.17</b>	<b>20.72</b>
1219.2	0.24	0.37	0.52	0.66	0.80	0.94	1.08	1.23	1.36	1.50	1.65	1.78	1.93
<b>54</b>	<b>2.88</b>	<b>4.54</b>	<b>6.21</b>	<b>7.98</b>	<b>9.64</b>	<b>11.30</b>	<b>13.08</b>	<b>14.74</b>	<b>16.51</b>	<b>18.17</b>	<b>19.84</b>	<b>21.61</b>	<b>23.27</b>
1371.6	0.27	0.42	0.58	0.74	0.90	1.05	1.22	1.37	1.53	1.69	1.84	2.01	2.16
<b>60</b>	<b>3.21</b>	<b>5.21</b>	<b>7.09</b>	<b>9.09</b>	<b>10.97</b>	<b>12.96</b>	<b>14.85</b>	<b>16.84</b>	<b>18.73</b>	<b>20.72</b>	<b>22.61</b>	<b>24.60</b>	<b>26.59</b>
1524	0.30	0.48	0.66	0.84	1.02	1.21	1.38	1.57	1.74	1.93	2.10	2.29	2.47
<b>66</b>	<b>3.55</b>	<b>5.65</b>	<b>7.76</b>	<b>9.97</b>	<b>12.08</b>	<b>14.18</b>	<b>16.29</b>	<b>18.51</b>	<b>20.61</b>	<b>22.72</b>	<b>24.82</b>	<b>26.93</b>	<b>29.14</b>
1676.4	0.33	0.53	0.72	0.93	1.12	1.32	1.51	1.72	1.92	2.11	2.31	2.50	2.71



### Test Data

Published data is in accordance with ANSI/AMCA 500-L, Figure 5.5.