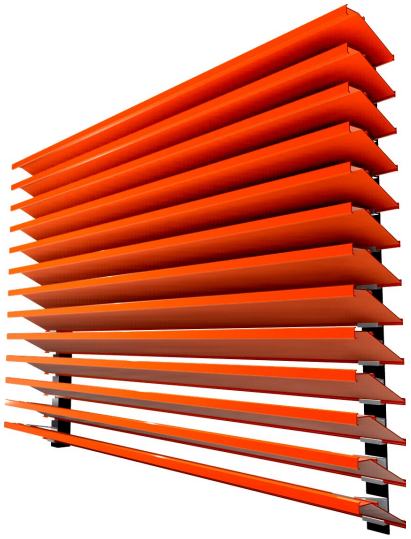
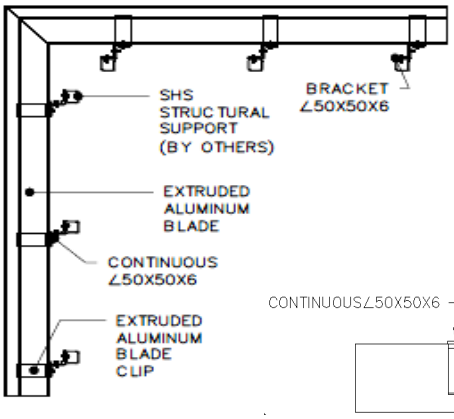
Model—DC-630M

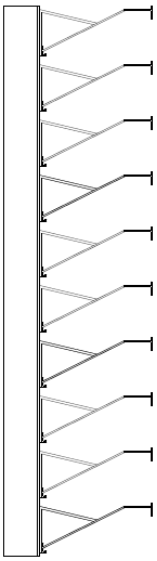
152mm DEEP VISION SCREEN FOR COOLING TOWERS

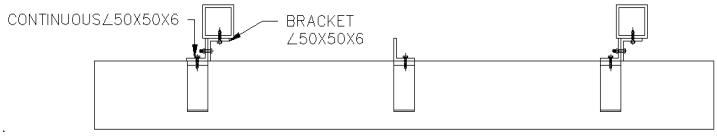


AIRFLOW PERFORMANCE

- FREE AREA : 62% based on 48in (1220mm) x 48in (1220mm)
- Airflow Classification—Class 2
- Pressure Drop @ 2.5m/s Face Velocity—20 Pa
- Wind Load Reduction Factor - 0.47







FEATURES:

- Continuous blade assembly
- Good sight-proofing characteristics—96% sight cut-off
- Adequate airflow for cooling towers in excess of 62% Free Area
- Minimum pressure drop for confined areas

Material & Finishes:

1. DC-630M COOLING TOWER SCREEN comprises
   a. Blades: 6" deep Horizontal Fixed Blade
   b. Mullion: 50x50x3 Continuous angle @ max. 1500mm o.c.
   c. Blade Spacing: 3" (76.3mm)
2. Metal Thickness: Mullion 0.125 inch (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-McGill louvers warranted for 2 years against defective material and workmanship, and 20 Years for Finishes.

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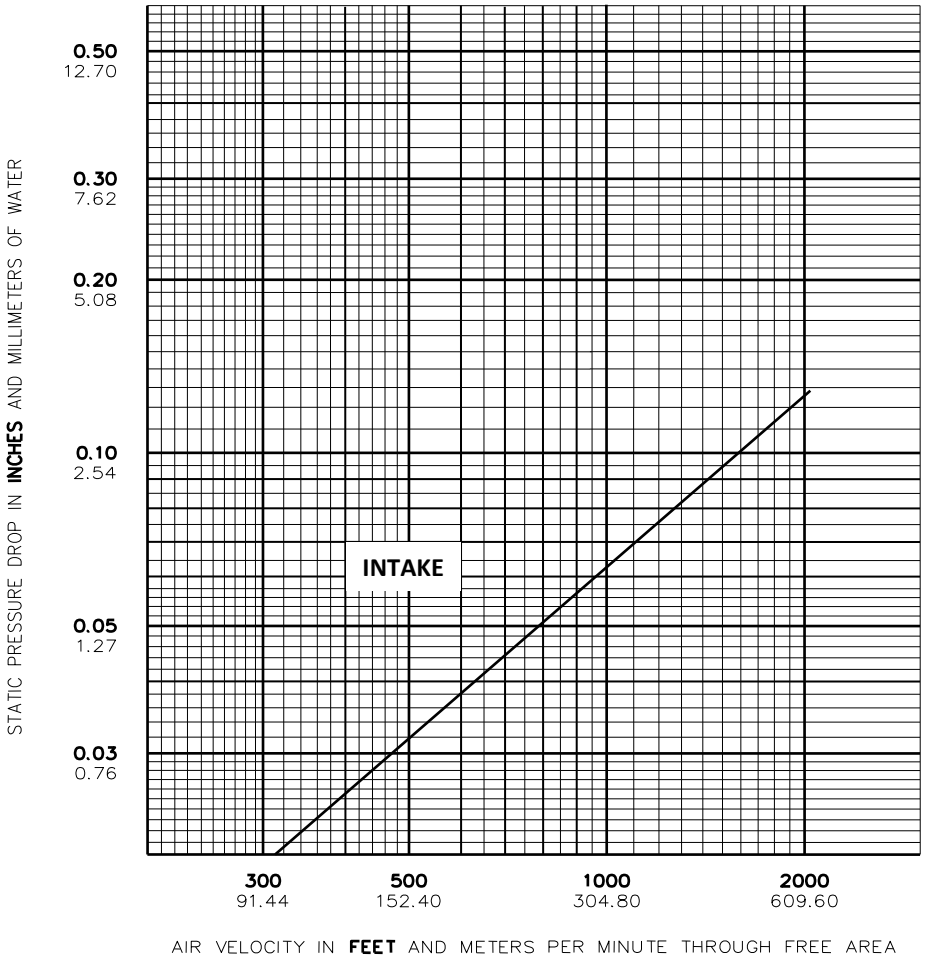
Model—DC-630M

152mm DEEP VISION SCREEN FOR COOLING TOWERS

FREE AREA in FT² & M²

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*
12	**0.33**	**0.55**	**0.77**	**0.99**	**1.10**	**1.32**	**1.54**	**1.76**	**1.98**	**2.20**	**2.42**	**2.53**	**2.76**
304.8	*0.03*	*0.05*	*0.07*	*0.09*	*0.10*	*0.12*	*0.14*	*0.16*	*0.18*	*0.20*	*0.23*	*0.24*	*0.26*
18	**0.66**	**0.99**	**1.32**	**1.65**	**2.09**	**2.42**	**2.76**	**3.20**	**3.53**	**3.86**	**4.30**	**4.63**	**4.96**
457.2	*0.06*	*0.09*	*0.12*	*0.15*	*0.19*	*0.23*	*0.26*	*0.30*	*0.33*	*0.36*	*0.40*	*0.43*	*0.46*
24	**0.99**	**1.54**	**2.09**	**2.65**	**3.20**	**3.75**	**4.30**	**4.96**	**5.51**	**6.06**	**6.61**	**7.16**	**7.71**
609.6	*0.09*	*0.14*	*0.19*	*0.25*	*0.30*	*0.35*	*0.40*	*0.46*	*0.51*	*0.56*	*0.61*	*0.67*	*0.72*
30	**1.21**	**1.98**	**2.65**	**3.42**	**4.08**	**4.85**	**5.62**	**6.28**	**7.05**	**7.71**	**8.49**	**9.26**	**9.92**
762	*0.11*	*0.18*	*0.25*	*0.32*	*0.38*	*0.45*	*0.52*	*0.58*	*0.66*	*0.72*	*0.79*	*0.86*	*0.92*
36	**1.54**	**2.53**	**3.42**	**4.30**	**5.29**	**6.17**	**7.16**	**8.05**	**9.04**	**9.92**	**10.91**	**11.79**	**12.78**
914.4	*0.14*	*0.24*	*0.32*	*0.40*	*0.49*	*0.57*	*0.67*	*0.75*	*0.84*	*0.92*	*1.01*	*1.10*	*1.19*
42	**1.87**	**2.87**	**3.97**	**5.07**	**6.17**	**7.27**	**8.38**	**9.48**	**10.58**	**11.68**	**12.78**	**13.78**	**14.88**
1066.8	*0.17*	*0.27*	*0.37*	*0.47*	*0.57*	*0.68*	*0.78*	*0.88*	*0.98*	*1.09*	*1.19*	*1.28*	*1.38*
48	**2.20**	**3.42**	**4.74**	**6.06**	**7.38**	**8.60**	**9.92**	**11.24**	**12.56**	**13.78**	**15.10**	**16.42**	**17.74**
1219.2	*0.20*	*0.32*	*0.44*	*0.56*	*0.69*	*0.80*	*0.92*	*1.04*	*1.17*	*1.28*	*1.40*	*1.53*	*1.65*
54	**2.42**	**3.86**	**5.29**	**6.83**	**8.27**	**9.70**	**11.13**	**12.56**	**14.11**	**15.54**	**16.97**	**18.40**	**19.95**
1371.6	*0.23*	*0.36*	*0.49*	*0.64*	*0.77*	*0.90*	*1.03*	*1.17*	*1.31*	*1.44*	*1.58*	*1.71*	*1.85*
60	**2.76**	**4.41**	**6.06**	**7.71**	**9.37**	**11.02**	**12.67**	**14.33**	**16.09**	**17.74**	**19.40**	**21.05**	**22.70**
1524	*0.26*	*0.41*	*0.56*	*0.72*	*0.87*	*1.02*	*1.18*	*1.33*	*1.50*	*1.65*	*1.80*	*1.96*	*2.11*
66	**3.09**	**4.85**	**6.72**	**8.49**	**10.36**	**12.12**	**14.00**	**15.76**	**17.63**	**19.40**	**21.27**	**23.03**	**24.91**
1676.4	*0.29*	*0.45*	*0.62*	*0.79*	*0.96*	*1.13*	*1.30*	*1.46*	*1.64*	*1.80*	*1.98*	*2.14*	*2.32*



Test Data

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

DC-630M; March2015

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