

**600M Swamp Cooler Diffuser**

Face Jet Velocity		500	700	800	900	1000	1200	1500	2000	
Free Area	Duct pt	0.017	0.034	0.044	0.055	0.068	0.100	0.135	0.220	
<b>Size</b>	<b>sq.in</b>									
<b>6x6</b>	<b>75</b>	<b>CFM</b>	<b>70</b>	<b>100</b>	<b>120</b>	<b>130</b>	<b>158</b>	<b>190</b>	<b>236</b>	<b>320</b>
		Throw	4.2	4.6	5.2	5.8	6.8	7.4	9.6	12.6
<b>8x8</b>	<b>114</b>	<b>CFM</b>	<b>86</b>	<b>132</b>	<b>145</b>	<b>168</b>	<b>186</b>	<b>228</b>	<b>288</b>	<b>388</b>
		Throw	4.4	5.0	5.5	6.2	7.2	8.0	9.9	13.8
<b>10x10</b>	<b>150</b>	<b>CFM</b>	<b>136</b>	<b>212</b>	<b>256</b>	<b>278</b>	<b>308</b>	<b>344</b>	<b>456</b>	<b>612</b>
		Throw	5.5	6.7	7.3	8.4	9.8	10.6	13.5	17.4
<b>12x12</b>	<b>188</b>	<b>CFM</b>	<b>210</b>	<b>336</b>	<b>386</b>	<b>428</b>	<b>466</b>	<b>592</b>	<b>718</b>	<b>944</b>
		Throw	6.2	9.2	11.4	12.0	13.8	14.9	17.6	24.4
<b>14x14</b>	<b>226</b>	<b>CFM</b>	<b>342</b>	<b>488</b>	<b>558</b>	<b>618</b>	<b>698</b>	<b>844</b>	<b>1044</b>	<b>1378</b>
		Throw	7.5	10.6	11.9	13.8	15.2	18.0	24.2	27.4
<b>16x16</b>	<b>232</b>	<b>CFM</b>	<b>468</b>	<b>656</b>	<b>762</b>	<b>846</b>	<b>998</b>	<b>1210</b>	<b>1428</b>	<b>1918</b>
		Throw	8.8	12.2	13.4	15.2	17.9	21.8	26.4	33.6
<b>18x18</b>	<b>300</b>	<b>CFM</b>	<b>626</b>	<b>877</b>	<b>1012</b>	<b>1126</b>	<b>1278</b>	<b>1528</b>	<b>1856</b>	<b>2518</b>
		Throw	11.1	15.2	16.5	19.5	21.5	26.4	32.8	42.6
<b>20x20</b>	<b>338</b>	<b>CFM</b>	<b>812</b>	<b>1126</b>	<b>1316</b>	<b>1412</b>	<b>1654</b>	<b>2088</b>	<b>2479</b>	<b>3258</b>
		Throw	11.6	16.3	18.2	21.6	23.6	28.6	34.4	45.2
<b>22x22</b>	<b>364</b>	<b>CFM</b>	<b>836</b>	<b>1170</b>	<b>1337</b>	<b>1504</b>	<b>1771</b>	<b>2456</b>	<b>3054</b>	<b>4026</b>
		Throw	12	17.5	19.4	22.3	29.4	35.2	45.3	50.2
<b>24x24</b>	<b>412</b>	<b>CFM</b>	<b>1212</b>	<b>1700</b>	<b>1910</b>	<b>2268</b>	<b>3010</b>	<b>3586</b>	<b>4720</b>	<b>5330</b>
		Throw	14.0	19.8	22.2	24.6	33.8	42.4	56.2	58.2
<b>26x26</b>	<b>420</b>	<b>CFM</b>	<b>1442</b>	<b>2026</b>	<b>2290</b>	<b>2678</b>	<b>3330</b>	<b>3986</b>	<b>5154</b>	<b>6160</b>
		Throw	14.8	20.7	22.8	26.5	35.6	43.9	59.2	62
<b>30x30</b>	<b>452</b>	<b>CFM</b>	<b>2160</b>	<b>3030</b>	<b>3460</b>	<b>3880</b>	<b>4320</b>	<b>5160</b>	<b>6482</b>	<b>8640</b>
		Throw	17.6	24.4	26.8	30.6	42.2	51.6	69.2	72.2
<b>32x32</b>	<b>472</b>	<b>CFM</b>	<b>2248</b>	<b>3146</b>	<b>3596</b>	<b>4046</b>	<b>4498</b>	<b>5396</b>	<b>6738</b>	<b>8988</b>
		Throw	18.2	25.4	27.8	31.6	43.8	51.2	72.2	74.8

Terminal Velocity of 75fpm