

THERMALLY POWERED LINEAR DIFFUSER PERFORMANCE DATA
MODEL XG-MVACH

Unit Size	Inlet	CFM	COOLING			HEATING		
			Pt	Horizontal Throw (ft)	NC	Pt	Vertical Throw (ft)	NC
2 ft	8"	50	0.006	1 - 4 - 7	<15	0.002	2 - 5 - 9	22
	8"	100	0.024	2 - 6 - 10	17	0.008	3 - 8 - 12	24
	8"	150	0.052	4 - 7 - 16	24	0.018	5 - 9 - 18	29
	8"	200	0.091	11 - 13 - 18	27	0.032	11 - 23 - 23	35
	8"	250	0.152	12 - 24 - 22	35	0.051	12 - 24 - 22	42
4 ft	10"	150	0.020	2 - 4 - 10	<15	0.028	4 - 6 - 12	21
	10"	200	0.038	3 - 6 - 12	17	0.052	3 - 18 - 17	25
	10"	250	0.064	5 - 10 - 18	19	0.076	5 - 12 - 21	27
	10"	275	0.080	6 - 10 - 16	22	0.095	8 - 12 - 17	29
	10"	300	0.095	6 - 11 - 19	24	0.107	11 - 16 - 21	32
	10"	325	0.115	8 - 12 - 20	25	0.130	12 - 19 - 23	33

PERFORMANCE NOTES FOR MODEL XG-MVACH

All data is tested in accordance with ANSI/ASHRAE 70-2006.

DEFINITION OF UNITS

CFM Cubic Feet per Minute (Air)

Ps Static pressure = Pt - Pv (in.wg.)

Throw Cataloged throw is the distance in feet to the terminal velocities of 150, 100 and 50 fpm with isothermal air.

NC Noise criterion, Sound pressure level. NC ratings are based on sound power level (Lw)

RE: 10⁻¹² watts minus a 10dB room attenuation in all octave bands.