

PERFORMANCE DATA
Ceiling Diffuser Plaque - Hi Induction
MODEL CDP-HI

Listed Size	Neck Size	fpm Vn	400	500	600	700	800	900	1000	1200
		Pv	0.01	0.016	0.022	0.031	0.04	0.05	0.062	0.09
24 x 24	6	CFM	80	100	120	135	155	175	195	235
		Ps	.005	.007	.010	.010	.013	.018	.023	.035
		Throw	8	9	11	12	14	14	15	17
		NC	14	15	16	18	20	24	28	35
	8	CFM	140	175	210	245	280	315	350	420
		Ps	.012	.020	.028	.038	.050	.063	.078	.111
		Throw	9	11	14	15	16	18	18	19
		NC	16	18	20	23	28	34	38	46
	10	CFM	220	275	325	380	435	490	545	655
		Ps	.026	.041	.056	.078	.101	.129	.158	.229
		Throw	12	15	18	21	23	24	26	27
		NC	18	19	20	28	35	41	45	50
	12	CFM	315	395	470	550	630	705	785	940
		Ps	.045	.069	.097	.134	.177	.219	.272	.389
		Throw	15	18	21	26	27	29	30	33
		NC	18	20	23	30	36	41	45	51
	14	CFM	430	535	640	750	855	960	1070	1285
		Ps	.051	.081	.114	.157	.205	.257	.320	.462
		Throw	17	21	26	29	32	33	35	38
		NC	19	20	27	34	41	45	49	54
15	CFM	490	615	735	860	980	1105	1225	1475	
	Ps	.063	.099	.142	.193	.251	.320	.393	.569	
	Throw	18	23	27	32	33	36	38	41	
	NC	19	20	27	36	43	47	50	55	

PERFORMANCE NOTES FOR SERIES CDP-HI

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

DEFINITION OF UNITS

- CFM Cubic Feet per Minute (air)
- fpm Velocity of air stream in Feet per Minute
- Pv Velocity pressure (inches of water column)
- Pt Total pressure (inches of water column)
- Ps Static pressure = Pt-Pv (inches of water column)
- Throw Isothermal throw (supply air temperature the same as average room temperature); values are for 50fpm velocities
- 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
- Vn Neck Velocity