GREENHECK
Building Value in Air.

PERFORMANCE DATA
Ceiling Diffuser Plaque - Low Flow
MODEL CDP-LF

Listed Size	Neck Size	fpm Vn	100	200	300	400	500	600	700	800
		Pv	0.04	0.06	0.08	0.01	0.016	0.022	0.031	0.04
24 x 24	6	CFM	20	40	60	80	100	120	135	155
		Ps	0.003	1	0.005	0.006	0.008	0.011	0.011	0.015
		Throw	8	9	9	10	11	13	15	17
		NC	<15	<15	<15	15	16	18	19	22
	8	CFM	35	70	105	140	175	210	245	280
		Ps	0.005	0.007	0.010	0.013	0.023	0.032	0.044	0.057
		Throw	8	9	10	11	15	19	21	23
		NC	<15	16	17	18	20	22	25	31
	10	CFM	63	116	168	220	275	325	380	435
		Ps	0.012	0.018	0.025	0.030	0.048	0.065	0.089	0.116
		Throw	11	12	13	15	19	23	27	29
		NC	<15	16	17	19	21	22	31	38
	12	CFM	84	161	239	315	395	470	550	630
		Ps	0.023	0.032	0.041	0.051	0.080	0.112	0.154	0.203
		Throw	14	15	17	19	23	27	32	34
		NC	<15	17	18	19	22	25	32	40
	14	CFM	115	220	325	430	535	640	750	855
		Ps	0.028	0.037	0.048	0.059	0.093	0.131	0.181	0.236
		Throw	16	17	19	21	27	32	36	40
		NC	17	18	20	21	22	29	37	44
	15	CFM	124	246	369	490	615	735	860	980
		Ps	0.034	0.046	0.057	0.072	0.114	0.163	0.222	0.289
		Throw	16	18	20	23	29	34	40	42
		NC	19	20	21	21	22	29	40	47

PERFORMANCE NOTES FOR SERIES CDP-LF

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