

PERFORMANCE DATA

Ceiling Diffuser Perforated Panel - Non-Ducted Return

Model CDPF

Nominal Neck Size	fpm Neck Velocity	200	300	400	500	600	700	800
	Pv	0.01	0.03	0.05	0.08	0.11	0.15	0.19
12 x 12	CFM	170	250	335	420	505	590	670
	NC	<	<	<	20	25	30	35
24 x 12	CFM	350	525	700	875	1050	1225	1400
	NC	<	<	20	25	30	35	40
24 x 24	CFM	735	1100	1470	1835	2200	2570	2935
	NC	<	<	20	28	33	38	42
36 x 24	CFM	1120	1680	2235	2795	3355	3915	4470
	NC	<	<	25	30	35	40	45
48 x 12	CFM	735	1100	1470	1835	2200	2570	2935
	NC	<	<	20	28	33	38	42
48 x 24	CFM	1500	2250	3000	3750	4500	5250	6000
	NC	<	<	20	28	33	38	42

PERFORMANCE NOTES FOR SERIES CDPF

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 = $P_t - P_v$ (inches of water column)

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