GREENHECK
Building Value in Air.

PERFORMANCE DATA
Ceiling Diffuser Perforated Face - Neck Mounted Curved Blade - Extruded Aluminum
MODEL CDPF

Nominal Neck Size	fpm Neck Velocity Pv		200 .003	300 .006	400 .010	500 .016	600 .022	700 .030	800 .040	900 .050
18 x 6	CFM		150	225	300	375	450	525	600	675
	Pt		.016	.050	.060	.100	.140	.190	.250	.310
	NC		<	<	20	25	30	35	40	40
	Throw	4-Way	3-4-5	3-5-6	4-6-8	6-8-11	7-10-13	8-12-15	9-14-18	10-15-20
		3-Way	3-4-5	4-6-8	6-8-11	7-10-13	8-12-16	9-14-18	11-16-21	12-18-24
		2-Way	4-6-8	6-8-11	7-11-14	9-13-17	11-16-21	12-18-24	14-21-28	18-27-33
		1-Way	5-7-9	6-9-12	8-12-16	11-16-21	13-19-25	15-22-29	17-25-33	19-28-38
12 x 12	CFM		200	300	400	500	600	700	800	900
	Pt		.016	.045	.066	.100	.150	.200	.260	.330
	NC		<	20	25	25	30	35	40	40
	Throw	4-Way	3-5-6	4-6-8	5-7-10	6-9-12	8-12-15	9-13-17	10-15-20	12-17-23
		3-Way	3-5-6	5-7-9	6-9-12	8-12-15	9-14-18	11-16-22	13-19-25	14-20-27
		2-Way	5-7-9	6-9-12	8-12-16	11-16-21	12-18-24	15-22-29	17-25-33	18-27-36
		1-Way	6-9-12	8-12-16	10-15-20	12-18-24	15-22-29	17-25-33	18-27-36	21-31-42
14 x 14	CFM		270	410	545	680	815	950	1090	1225
	Pt		.018	.040	.070	.110	.160	.220	.280	.360
	NC		<	20	25	28	33	37	40	43
	Throw	4-Way	4-5-7	4-6-9	6-9-12	7-11-14	9-14-18	10-15-20	12-18-24	14-21-28
		3-Way	4-5-9	5-8-11	6-10-13	8-13-16	10-15-20	11-17-23	13-19-27	16-23-31
		2-Way	5-7-10	6-9-13	8-12-18	11-17-22	12-19-26	16-23-31	18-26-36	19-29-39
		1-Way	6-9-12	8-12-18	10-15-22	13-19-26	15-23-30	17-25-35	19-28-39	21-31-43
15 x 15	CFM		310	470	625	780	935	1090	1250	1405
	Pt		.018	.050	.070	.110	.160	.210	.280	.350
	NC		<	20	25	30	35	40	40	45
	Throw	4-Way	4-6-8	5-7-10	7-10-13	8-12-16	10-15-20	12-17-23	13-19-26	15-23-30
		3-Way	5-7-9	6-9-12	8-12-15	9-14-18	11-16-22	13-19-26	15-23-30	18-26-35
		2-Way	6-9-12	9-14-15	12-17-20	13-19-26	16-22-31	18-27-36	20-30-40	23-33-43
		1-Way	7-11-14	9-14-18	11-18-22	14-21-28	16-24-32	19-28-38	21-31-42	23-34-45
16 x 16	CFM		355	590	710	885	1060	1240	1415	1595
	Pt		.018	.047	.070	.109	.155	.212	.280	.350
	NC		<	20	25	30	35	40	40	45
	Throw	4-Way	5-7-9	6-8-11	8-10-14	9-13-18	10-15-21	13-18-27	14-20-28	16-22-31
		3-Way	5-7-11	6-9-13	8-13-17	10-15-22	13-19-26	15-22-30	18-25-36	19-29-39
		2-Way	6-10-12	9-14-16	11-17-24	14-21-28	17-25-32	19-26-34	21-34-40	24-34-44
		1-Way	7-10-16	9-15-18	12-18-26	15-22-32	18-27-36	19-28-37	24-35-42	26-36-46
18 x 18	CFM		450	675	900	1125	1350	1575	1800	2025
	Pt		.019	.050	.070	.110	.160	.220	.290	.360
	NC		<	20	25	30	35	40	40	45
	Throw	4-Way	5-7-10	6-9-12	8-12-16	10-15-20	12-18-24	14-21-28	16-24-32	18-27-36
		3-Way	5-7-12	7-11-14	9-14-18	11-16-22	13-19-26	16-24-31	18-27-36	21-31-41
		2-Way	8-12-18	10-15-20	13-19-26	16-24-32	20-29-39	23-34-45	26-39-52	29-43-58
		1-Way	9-14-22	11-16-24	15-23-30	18-27-36	22-32-43	25-37-49	28-42-56	30-45-60

GREENHECK
Building Value in Air.

PERFORMANCE DATA
Ceiling Diffuser Perforated Face - Return Extruded Aluminum
MODEL CDPF

Nominal Neck Size	fpm Neck Velocity	200	300	400	500	600	700	800
	Pv	.013	.030	.050	.080	.110	.150	.200
6 x 6	CFM	50	75	100	125	150	175	200
	NC	<	<	<	<	20	25	30
8 x 6	CFM	65	100	130	165	200	230	265
	NC	<	<	<	<	20	25	30
8 x 8	CFM	90	130	175	220	265	310	350
	NC	<	<	<	20	25	30	35
9 x 9	CFM	110	170	225	280	335	390	450
	NC	<	<	<	20	25	30	35
10 x 6	CFM	80	125	165	205	245	290	330
	NC	<	<	<	20	25	30	35
10 x 10	CFM	140	210	275	345	415	485	550
	NC	<	<	<	20	25	30	35
12 x 6	CFM	100	150	200	250	300	350	400
	NC	<	<	<	20	25	30	35
12 x 12	CFM	200	300	400	500	600	700	800
	NC	<	<	<	20	25	30	35
15 x 15	CFM	310	470	625	780	935	1090	1250
	NC	<	<	20	25	30	35	40
18 x 18	CFM	450	675	900	1125	1350	1575	1800
	NC	<	<	20	25	30	35	40
20 x 20	CFM	555	830	1110	1385	1660	1940	2215
	NC	<	<	20	28	33	38	42
22 x 10	CFM	305	455	610	760	910	1065	1215
	NC	<	<	20	25	30	35	40
22 x 22	CFM	670	1010	1345	1680	2015	2350	2690
	NC	<	<	20	28	33	38	42
34 x 22	CFM	1040	1555	2075	2595	3115	3635	4150
	NC	<	<	20	28	35	40	45
46 x 22	CFM	1405	2105	2810	3510	4210	4915	5615
	NC	<	<	23	30	38	42	45

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 = Pt–Pv (inches of water column)*
Throw	*Cataloged throw is horizontal distances in feet to the terminal velocities of 150,100 and 50fpm with supply air temp 20° F below room air temp*
NC	*Noise criteria, 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*