



029(0(173528&76

1.366/2895

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SIZE (Inch)	Area Factor(Ak) Neck Area (Sq.ft)	Neck Velocity (fpm) Velocity Pressure (in.w.g.) Total Pressure (in.w.g.) Side	200		300		400		500		600		700		800		300	
			0.003		0.006		0.01		0.016		0.023		0.031		0.04		0.051	
			0.013		0.029		0.052		0.08		0.12		0.16		0.21		0.255	
			A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
X	Ak= .122 0.375	CFM TOTAL	75		110		150		190		225		265		300		337	
		CFM / SIDE	24	13	36	19	50	25	64	31	75	38	89	44	100	50	113	56
		THROW / SIDE	8-13	7-10	10-15	8-11	11-17	9-12	13-18	10-14	14-20	11-15	16-22	11-16	17-24	12-17	18-26	13-18
		NC	<15		<15		16		21		26		31		35		38	
X	Ak= .158 0.500	CFM TOTAL	100		150		200		250		300		350		400		450	
		CFM / SIDE	37	13	56	19	75	25	95	31	112	38	131	44	150	50	169	56
		THROW / SIDE	8-14	7-10	9-16	8-11	11-17	9-12	13-20	10-14	14-22	11-15	17-24	11-16	19-27	12-17	20-30	13-18
		NC	<15		<15		17		22		28		32		36		39	
X	Ak= .195 0.625	CFM TOTAL	125		188		250		313		375		438		500		565	
		CFM / SIDE	50	13	75	19	100	25	125	31	150	38	75	44	200	50	225	56
		THROW / SIDE	9-17	7-10	11-20	8-11	13-21	9-12	15-23	10-14	17-25	11-15	19-28	11-16	21-30	12-17	23-33	13-18
		NC	<15		<15		18		23		29		34		38		41	
X	Ak= .232 0.750	CFM TOTAL	150		225		300		375		450		525		600		675	
		CFM / SIDE	62	13	94	19	125	25	157	31	187	38	219	44	250	50	281	56
		THROW / SIDE	9-17	7-10	11-20	8-11	13-21	9-12	15-23	10-14	17-25	11-15	19-28	11-16	21-30	12-17	23-33	13-18
		NC	<15		<15		19		24		31		36		40		43	
X	Ak= .232 0.750	CFM TOTAL	150		225		300		375		450		525		600		675	
		CFM / SIDE	47	28	71	42	97	56	118	70	141	84	164	99	187	113	210	127
		THROW / SIDE	9-16	8-13	11-17	10-15	13-20	11-17	16-23	13-18	19-27	15-20	20-30	16-22	22-33	17-24	24-35	18-26
		NC	<15		<15		20		26		31		35		39		42	
X	Ak= .287 0.938	CFM TOTAL	188		281		375		469		563		656		750		845	
		CFM / SIDE	66	28	99	42	132	56	165	70	198	84	229	99	262	113	296	127
		THROW / SIDE	10-18	8-13	12-20	10-15	15-23	11-17	28-26	13-18	20-29	15-20	23-33	16-22	26-37	17-24	28-41	18-26
		NC	<15		<15		21		27		32		37		41		44	
X	Ak= .343 1.125	CFM TOTAL	225		338		450		563		675		788		900		1012	
		CFM / SIDE	85	28	127	42	169	56	212	70	254	84	295	99	337	113	379	127
		THROW / SIDE	13-23	8-13	16-26	10-15	19-28	11-17	21-31	13-18	23-33	15-20	26-36	16-22	28-38	17-24	31-42	18-26
		NC	<15		<15		21		27		32		37		41		44	
X	Ak= .380 1.25	CFM TOTAL	250		375		500		625		750		875		1000		1125	
		CFM / SIDE	75	50	113	75	150	100	188	125	225	150	263	175	300	200	338	225
		THROW / SIDE	11-20	9-16	14-22	11-17	17-25	13-20	20-28	16-23	23-32	19-27	26-36	21-31	29-40	23-24	31-23	25-37
		NC	<15		<15		22		28		34		38		42		45	
X	Ak= .453 1.5	CFM TOTAL	300		450		600		750		900		1050		1200		1350	
		CFM / SIDE	100	50	150	75	200	100	250	125	300	150	350	175	400	200	450	225
		THROW / SIDE	14-23	9-16	17-27	11-17	20-31	13-20	23-34	16-23	26-37	19-27	29-40	21-31	31-44	23-24	34-49	25-37
		NC	<15		<15		23		29		35		39		43		46	
X	Ak= .563 1.875	CFM TOTAL	375		563		750		938		1125		1313		1500		1687	
		CFM / SIDE	110	78	164	118	219	156	274	195	329	234	383	274	437	313	493	351
		THROW / SIDE	15-25	11-20	19-28	14-22	22-32	17-25	25-35	20-29	28-38	23-34	31-43	27-39	33-48	29-42	36-55	31-45
		NC	<15		<15		23		30		36		41		45		48	

Notes:

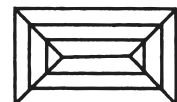
Total Pressure is in Inch of Water, Air volume is in CFM.

NC values were determined by subtracting 10 dB from the sound power level for room absorption. Throw data is presented for terminal velocities of 100 and 50 ft./min.

Throw values are given for Isothermal conditions.

For Return add +1db on the NC level.

Laboratory tests were performed in accordance with ASHRAE Standard 70-1991.





Model : CDP200 & CD200

WITH ROUND NECK

PERFORMANCE DATA

SIZE (inches)	Area Factor Ak Neck Area (Sq. Ft.)	NECK VELOCITY (FPM)	300	400	500	600	700	800	900	1000	1100
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6x6 Dia 6"	Ak=0.093 0.195	CFM	59	78	98	117	137	156	176	195	215
		Pt (in.w.g.)	0.019	0.034	0.053	0.076	0.106	0.137	0.171	0.209	0.254
		N.C.	< 15	< 15	15	18	22	26	29	33	38
		4 way- Throw	7-11	8-12	9-14	9-15	10-16	10-17	11-18	12-19	12-20
9x9 Dia 6"	Ak=0.199 0.195	CFM	59	78	98	117	137	156	176	195	215
		Pt (in.w.g.)	0.019	0.034	0.053	0.076	0.106	0.137	0.171	0.209	0.254
		N.C.	< 15	< 15	<15	17	21	25	29	32	37
		4 way- Throw	8-11	9-12	10-14	10-15	11-16	11-17	12-18	13-19	13-20
9x9 Dia 8"	Ak=0.199 0.35	CFM	105	140	175	210	245	280	315	350	385
		Pt (in.w.g.)	0.014	0.024	0.035	0.053	0.073	0.095	0.119	0.147	0.178
		N.C.	< 15	<15	<15	17	20	25	29	32	35
		4 way- Throw	8-13	9-14	10-15	11-16	12-17	13-18	14-19	15-21	16-22
12x12 Dia 6"	Ak=0.375 0.195	CFM	59	78	98	117	137	156	176	195	215
		Pt (in.w.g.)	0.019	0.034	0.053	0.076	0.106	0.137	0.171	0.209	0.254
		N.C.	< 15	< 15	<15	17	21	25	29	32	37
		4 way- Throw	8-11	9-12	10-14	10-15	11-16	11-17	12-18	13-19	13-20
12x12 Dia 8"	Ak=0.375 0.350	CFM	105	140	175	210	245	280	315	350	385
		Pt (in.w.g.)	0.014	0.024	0.035	0.053	0.073	0.095	0.119	0.147	0.178
		N.C.	< 15	<15	<15	17	20	25	29	32	35
		4 way- Throw	8-13	9-14	10-15	11-16	12-17	13-18	14-19	15-21	16-22
12x12 Dia 10"	Ak=0.375 0.545	CFM	164	218	273	327	380	436	491	545	600
		Pt (in.w.g.)	0.017	0.031	0.049	0.070	0.094	0.124	0.157	0.193	0.234
		N.C.	< 15	<15	<15	18	21	24	29	33	36
		4 way- Throw	8-15	9-16	10-17	11-18	12-19	13-21	15-23	17-25	19-27
12x12 Dia 12"	Ak=0.375 0.785	CFM	236	314	392	471	549	628	707	785	864
		Pt (in.w.g.)	0.023	0.041	0.063	0.092	0.125	0.164	0.207	0.255	0.309
		N.C.	< 15	<15	20	26	29	32	35	38	41
		4 way- Throw	9-16	11-17	12-19	14-21	16-24	18-27	19-29	21-32	23-35

PERFORMANCE DATA

SIZE (inches)	Area Factor Ak Neck Area (Sq. Ft.)	NECK VELOCITY FPM	300	400	500	600	700	800	900	1000	1100
18x18 Dia 6"	Ak=0.85 0.195	CFM	59	78	98	117	137	156	176	195	215
		Pt (in.w.g.)	0.019	0.034	0.053	0.076	0.106	0.137	0.171	0.209	0.254
		N.C.	< 15	< 15	<15	17	21	25	29	32	37
		4 way- Throw	8-11	9-12	10-14	10-15	11-16	11-17	12-18	13-19	13-20
18x18 Dia 8"	Ak=0.85 0.350	CFM	105	140	175	210	245	280	315	350	385
		Pt (in.w.g.)	0.014	0.024	0.035	0.053	0.073	0.095	0.119	0.147	0.178
		N.C.	< 15	<15	<15	17	20	25	29	32	35
		4 way- Throw	8-13	9-14	10-15	11-16	12-17	13-18	14-19	15-21	16-22
18x18 Dia 10"	Ak=0.85 0.545	CFM	164	218	273	327	380	436	491	545	600
		Pt (in.w.g.)	0.017	0.031	0.049	0.070	0.094	0.124	0.157	0.193	0.234
		N.C.	< 15	<15	<15	18	21	24	29	33	36
		4 way- Throw	8-15	9-16	10-17	11-18	12-19	13-21	15-23	17-25	19-27
18x18 Dia 12"	Ak=0.85 0.785	CFM	236	314	392	471	549	628	707	785	864
		Pt (in.w.g.)	0.023	0.041	0.063	0.092	0.125	0.164	0.207	0.255	0.309
		N.C.	< 15	<15	20	26	29	32	35	38	41
		4 way- Throw	9-16	11-17	12-19	14-21	16-24	18-27	19-29	21-32	23-35
18x18 Dia 14"	Ak=0.85 1.07	CFM	321	428	534	641	748	855	962	1069	1176
		Pt (in.w.g.)	0.039	0.069	0.108	0.155	0.212	0.277	0.35	0.432	0.523
		N.C.	< 15	18	23	27	32	35	38	42	45
		4 way- Throw	10-17	11-18	13-20	16-23	19-27	21-31	23-34	25-36	27-38
18x18 Dia 16"	Ak=0.85 1.768	CFM	530	707	884	1060	1237	1414	1590	1767	1944
		Pt (in.w.g.)	0.049	0.087	0.136	0.196	0.267	0.349	0.441	0.545	0.659
		N.C.	15	20	25	30	34	37	40	44	47
		4 way- Throw	14-22	17-25	20-29	23-34	27-39	29-42	31-45	33-48	35-51

Notes:

Static Pressure is in Inch of Water, Air volume is in CFM.

NC values were determined by subtracting 10 dB from the sound power level for room absorption.

Throw data is presented for terminal velocities of 100 and 50 ft./min.

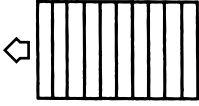
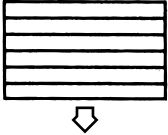
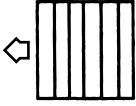

Throw values are given for Isothermal conditions.

Laboratory tests were performed in accordance with ASHRAE Standard 70-1991.

DIRECTIONAL PATTERNS

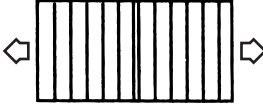
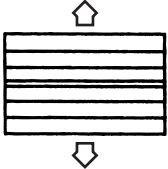


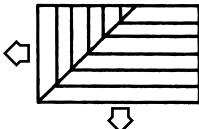
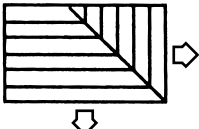
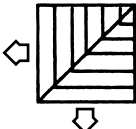

SERIES 1

SERIE S1 : One way throw - square diffuser square neck.
 SERIE R1a : One way throw - rectangular diffuser Rectangular neck - vanes long dimension.
 SERIE R1b : One way throw - rectangular diffuser Rectangular neck - vanes short dimension.

R1 b	R1 a	S1	1-Way
			

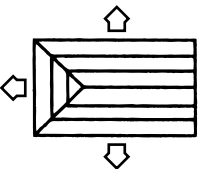
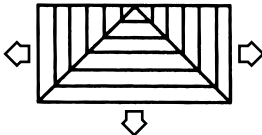
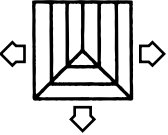
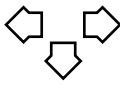
SERIES 2

SERIE S2 : Two way throw - square diffuser square neck.
 SERIE R2a : Two way throw - rectangular diffuser Rectangular neck - vanes long dimension.
 SERIE R2b : Two way throw - rectangular diffuser Rectangular neck - vanes short dimension.
 SERIE S2c : Two way corner throw - square diffuser - square neck.
 SERIE R2ca : Two way corner throw - rectangular diffuser. Rectangular neck - left hand.
 SERIE R2cb : Two way corner throw - rectangular diffuser. Rectangular neck - right hand.

R2 b	R2 a	S2	2-Way
			
R2 cb	R2 ca	S2 c	2-Way Corner
			

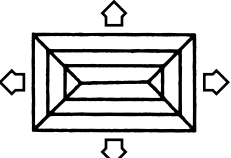
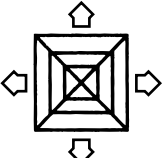
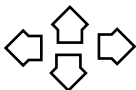
SERIES 3

SERIE 3: Three way throw - square diffuser square neck.
 SERIE R3a : Three way throw - rectangular diffuser Rectangular neck - 2 short sides - 1 long side.
 SERIE R3b : Three way throw - rectangular diffuser Rectangular neck - 2 long sides - 1 short side.

R3 b	R3 a	S3	3-Way
			

SERIES 4

SERIE S4 : Four way throw - square diffuser - square neck.
 SERIE R4 : Four way throw - rectangular diffuser Rectangular neck.

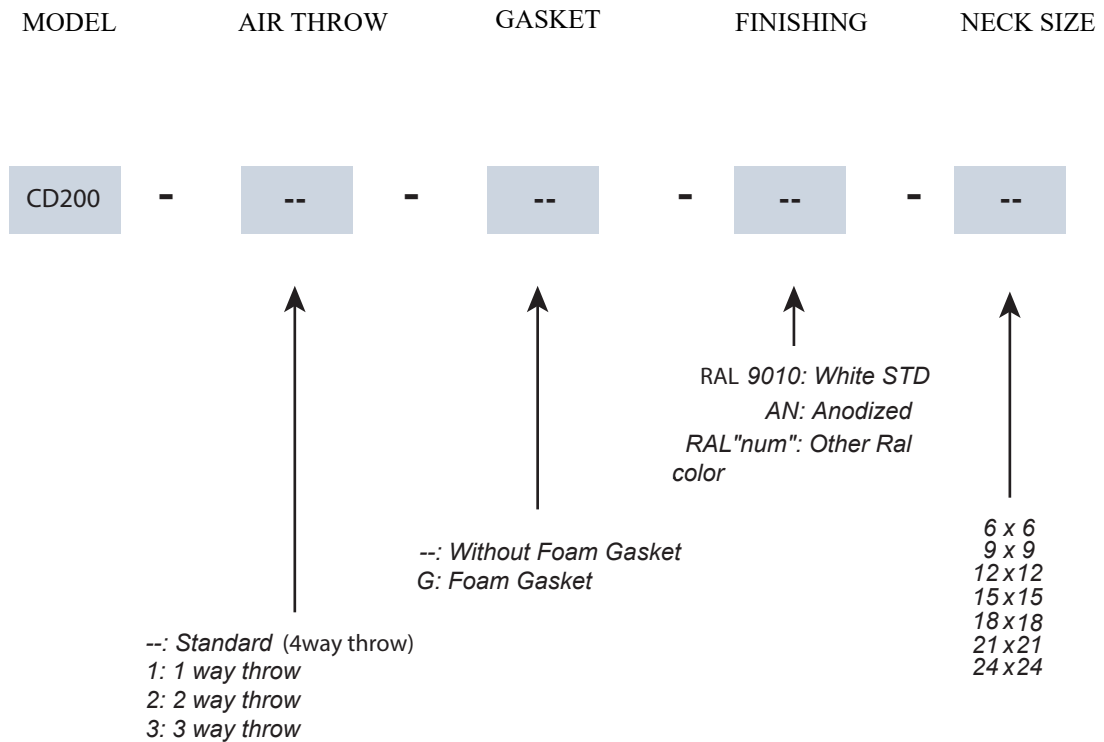
R4	S4		4-Way
			



CEILING DIFFUSER-LOUVERED FACE SQUARE & RECTANGULAR

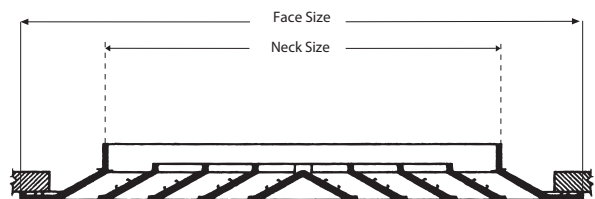
CD 200

ORDERING INFORMATION



STANDARD SIZES

Neck Size (inch)	Face Size (millimeter)
6 x 6	300 x 300
9 x 9	375 x 375
12 x 12	450 x 450
15 x 15	525 x 525
18 x 18	600 x 600
21 x 21	675 x 675
24 x 24	750 x 750



N.B: - For non standard sizes, please consult our engineers