

CDF SERIES

FLUSH MOUNT DIFFUSERS



APPLICATION

Ruskin CDF series flush mount concentric diffuser systems are designed to provide a single point air distribution system. The systems may be used in either a T-Bar or plaster ceiling.

STANDARD CONSTRUCTION

Diffuser	Extruded aluminum with aluminum return air eggcrate
Diffuser Box	Fiberglass ductboard thru 3400 CFM Galvanized steel above
Transition	Molded fiberglass thru 2200 CFM Galvanized steel above
Gasket	Permanent non adhesive anti-sweat
Hanging Supports	Four (4) eye bolts at corners

FEATURES

- ▶ Even 4 way airflow
- ▶ Lightweight design
- ▶ Factory assembled and sealed
- ▶ Guaranteed not to "sweat"
- ▶ Guaranteed not to recirculate air flow
- ▶ Easily removeable return air eggcrate
- ▶ Supply and return are fully insulated

T-BAR CEILING LIGHT COMMERCIAL



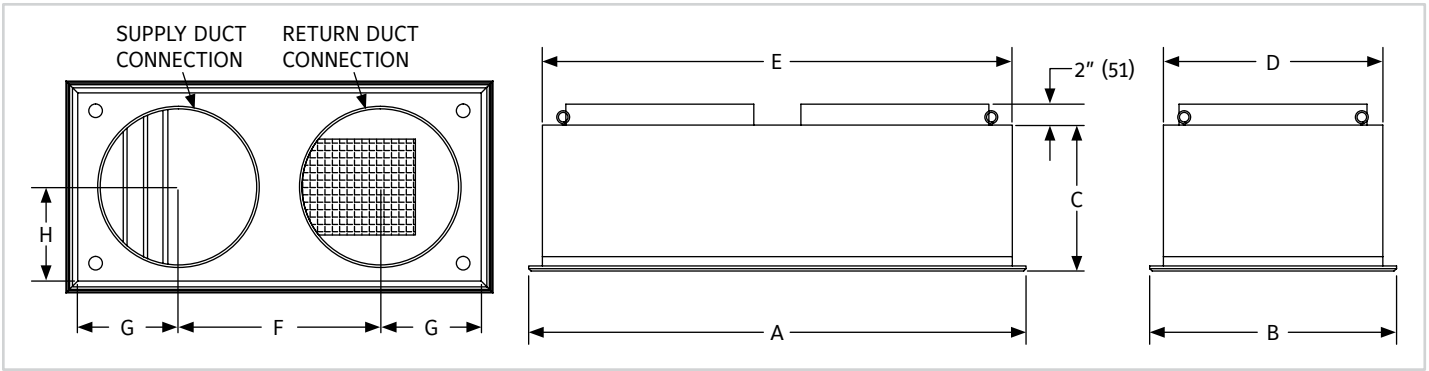
NOTES:

1. All data is based on the Air Diffusion Council guidelines.
2. Throw data is based on Terminal Velocities of 75 FPM using isothermal air.
3. Actual noise levels are less than those shown.

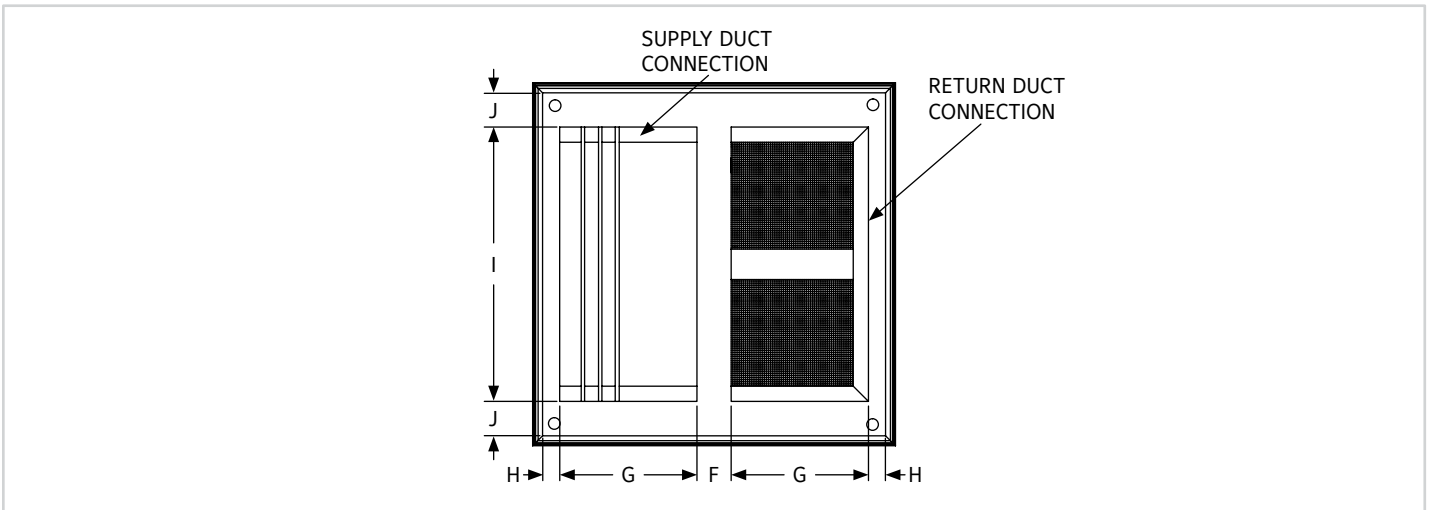
ENGINEERING DATA

MODEL	CFM	STATIC PRESSURE	THROW FEET	NECK VEL.	JET VEL.	NOISE LEVEL
CDF-16	600	.09	10-14	234	417	18
	800	.11	12-18	313	556	20
	1000	.14	15-20	391	691	20
	1200	.17	16-22	469	833	25
	1400	.20	17-24	547	972	30
CDF-18	1000	.14	15-20	391	694	20
	1200	.17	16-22	469	833	25
	1400	.20	17-24	547	972	30
	1600	.24	18-25	625	1111	30
	1800	.30	20-28	703	1250	35
	2000	.36	21-29	781	1389	40
	2200	.40	22-30	859	1528	40
CDF-20	2600	.17	19-24	663	1294	30
	2800	.20	20-28	714	1393	35
	3000	.25	21-29	765	1492	35
	3200	.31	22-29	816	1592	40
	3400	.37	22-30	867	1692	40
CDF-22	3600	.17	22-29	844	1646	34
	4000	.21	24-33	938	1829	40
	4400	.27	28-27	1032	2011	40
CDF-50	4500	.31	25-34	922	1795	40
	5000	.34	24-33	938	1829	40
	5400	.39	32-41	1083	2107	45
CDF-60	5600	.36	28-37	1000	2082	45
	6000	.42	40-50	1071	2230	45
	6400	.50	43-52	1143	2379	50
	6600	.54	45-56	1179	2454	50
CDF-80	7200	.39	26-35	996	2093	45
	8000	.50	42-51	1107	2326	50
	8400	.56	44-54	1162	2442	50
	8800	.63	48-59	1217	2558	50
CDF-100	9600	.41	32-41	1036	2159	45
	10000	.45	37-46	1079	2249	45
	10400	.50	42-51	1122	2339	50
CDF-300	10000	.57	37-46	713	1506	35
	11000	.72	46-56	785	1657	35
	12000	.90	54-66	856	1808	40
	13000	1.10	62-75	927	1958	40

DIMENSIONAL DATA



MODEL	A	B	C	D	E	F	G	H	DUCTSIZE
CDF-16	47 5/8	23 5/8	13 1/2	21	45	22 1/2	11 1/4	10 1/2	16 RD
CDF-18	47 5/8	23 5/8	13 1/2	21	45	22 1/2	11 1/4	10 1/2	18 RD
CDF-20	47 5/8	29 5/8	16 5/8	27	45	22 1/2	11 1/4	13 1/2	20 RD



MODEL	A	B	C	D	E	F	G	H	I	J	DUCTSIZE
CDF-22	47 5/8	35 5/8	23 1/4	33	45	4 1/2	18	2 1/4	28	2 1/2	18 X 28
CDF-50	47 5/8	41 5/8	29 1/4	39	45	4 1/2	18	2 1/4	32	3 1/4	18 X32
CDF-60	47 5/8	47 5/8	29 1/4	45	45	4 1/2	18	2 1/4	36	4 1/2	18 X36
CDF-80	59 5/8	59 5/8	35 1/4	57	57	4 1/2	24	2 1/4	48	4 1/2	24 X 48
CDF-100	59 5/8	59 5/8	35 1/4	57	57	4 1/2	24	2 1/4	54	1 1/2	24 X 54
CDF-300	63 5/8	63 5/8	40	63 1/8	63 1/2	4 1/2	28	1 1/4	60	1 1/2	28 X60

i LINKS TO IMPORTANT DOCUMENTS

Document Title
Limited Warranty Document



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