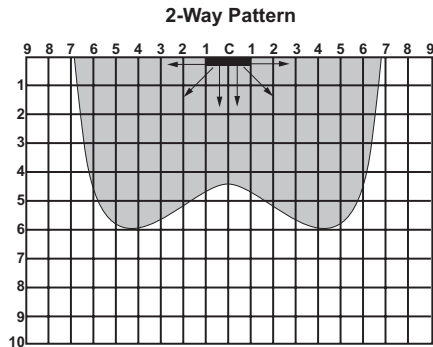
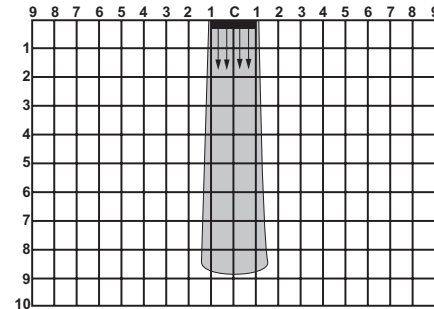


ENGINEERING DATA

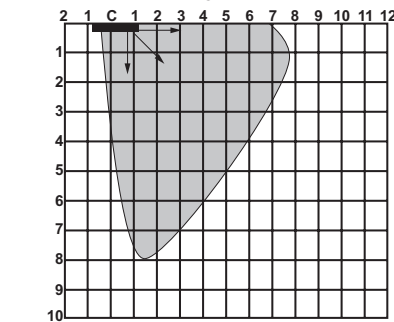
RADIAN®



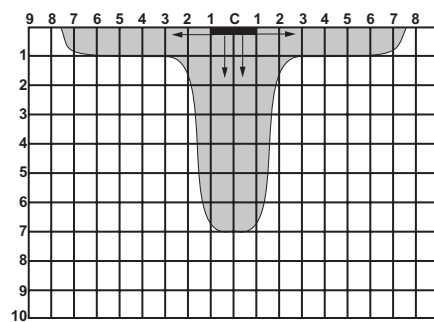
Downthrow Pattern



1-Way Pattern



T-Pattern



1-Way Engineering Data

UNIT SIZE (in.)	INLET SIZE (in.)	AIRFLOW (CFM)	P _s (in wc)	NC	ΔT TEMP DIFF (°F)	HORZ THROW (ft)	VERTICAL THROW (ft)
24x24	6	150	0.014	<15	-5	3	6
		200	0.024	22	-5	4	8
		250	0.038	31	-5	5	9
24x24	6	150	0.017	<15	-15	5	8
		200	0.031	21	-15	6	-
		250	0.048	30	-15	7	-
24x24	8	150	0.013	<15	-5	7	6
		200	0.023	<15	-5	8	8
		250	0.036	17	-5	9	9
24x24	8	150	0.013	<15	-15	5	9
		200	0.023	<15	-15	7	9
		250	0.037	17	-15	8	-
24x48	10	400	0.046	18	-5	4	8
		550	0.086	29	-5	6	8
		700	0.139	37	-5	7	9
24x48	10	400	0.041	16	-15	5	8
		550	0.078	30	-15	6	9
		700	0.126	38	-15	7	-
24x48	12	400	0.055	23	-5	6	8
		550	0.098	34	-5	8	-
		700	0.154	43	-5	10	-
24x48	12	400	0.059	23	-15	8	8
		550	0.105	33	-15	9	-
		700	0.165	43	-15	10	-

2-Way Engineering Data

UNIT SIZE (in.)	INLET SIZE (in.)	AIRFLOW (CFM)	P _s (in wc)	NC	ΔT TEMP DIFF (°F)	HORZ THROW (ft)	VERTICAL THROW (ft)
24x24	6	150	0.015	<15	-5	3	3
		200	0.026	22	-5	4	4
		250	0.041	31	-5	5	5
24x24	6	150	0.015	<15	-15	3	3
		200	0.026	22	-15	4	4
		250	0.042	31	-15	5	5
24x24	8	300	0.023	23	-5	5	7
		400	0.040	33	-5	7	6
		500	0.063	40	-5	8	6
24x24	8	300	0.023	23	-15	5	7
		400	0.040	33	-15	6	8
		500	0.063	40	-15	8	8
24x48	10	400	0.034	19	-5	5	8
		550	0.064	29	-5	7	8
		700	0.104	37	-5	9	9
24x48	10	400	*	*	-15	*	*
		550	0.071	29	-15	6	7
		700	0.116	37	-15	8	8
24x48	12	600	0.055	24	-5	5	6
		800	0.097	33	-5	7	8
		1000	0.152	41	-5	9	9
24x48	12	600	0.056	23	-15	6	8
		800	0.100	34	-15	7	8
		1000	0.156	41	-15	9	8

Notes:

1. Tests conducted in accordance with ASHRAE 70-1991 (pressure loss and sound tests were conducted at isothermal conditions).
2. Tests conducted with a straight rigid inlet condition. Other inlet conditions may alter performance.
3. P_s = Static Pressure and is measured in inches of water column.
4. NC - Noise criteria and is based on 10 dB room attenuation (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
5. ΔT = The temperature difference, measured in °F, between the supply air temperature and the average room temperature.
6. Horizontal and vertical throw are based on a terminal velocity of 50 fpm.
7. Test room dimensions: 18' x 24' x 9'.
8. Dash "-" indicates throw exceeds down throw of the room.
9. Asterisk "*" indicates not recommended for use at this operating condition.
10. The -5 and -15 temperature difference operating conditions may have different blade settings and the test data reflect this.