

PERFORMANCE DATA:

PLENUM RETURN

Model 5050R • 1/2" (13) Slot

No. of Slots	Static Pressure	.011	.024	.045	.070	.108	.184	.279	.421
1	Airflow, CFM/FT.	10	15	20	25	30	40	50	60
	Noise Criteria	-	-	-	20	26	34	39	45
2	Airflow, CFM/FT.	20	30	40	50	60	80	100	120
	Noise Criteria	-	-	-	23	28	37	42	48
3	Airflow, CFM/FT.	30	45	60	75	90	120	150	180
	Noise Criteria	-	-	-	25	31	39	44	50
4	Airflow, CFM/FT.	40	60	80	100	120	160	200	240
	Noise Criteria	-	-	20	26	30	38	45	51
5	Airflow, CFM/FT.	50	75	100	125	150	200	250	300
	Noise Criteria	-	-	21	27	32	40	45	53
6	Airflow, CFM/FT.	60	90	120	150	180	240	300	360
	Noise Criteria	-	-	22	29	33	41	46	53
7	Airflow, CFM/FT.	70	105	140	175	210	280	350	420
	Noise Criteria	-	-	23	29	34	42	47	53
8	Airflow, CFM/FT.	80	120	160	200	240	320	400	480
	Noise Criteria	-	-	23	30	34	43	48	54

Models 5075R and 5075TZR • 3/4" (19) Slot

No. of Slots	Static Pressure	.006	.028	.065	.110	.170	.250	.350	.465
1	Airflow, CFM/FT.	10	20	30	40	50	60	70	80
	Noise Criteria	-	-	-	25	30	38	42	46
2	Airflow, CFM/FT.	20	40	60	80	100	120	140	160
	Noise Criteria	-	-	21	29	35	40	46	49
3	Airflow, CFM/FT.	30	60	90	120	150	180	210	240
	Noise Criteria	-	-	23	31	38	42	47	51
4	Airflow, CFM/FT.	40	80	120	160	200	240	280	320
	Noise Criteria	-	-	24	33	38	44	47	52
5	Airflow, CFM/FT.	50	100	150	200	250	300	350	400
	Noise Criteria	-	-	25	33	40	44	48	53
6	Airflow, CFM/FT.	60	120	180	240	300	360	420	480
	Noise Criteria	-	-	26	34	40	45	49	54
7	Airflow, CFM/FT.	70	140	210	280	350	420	490	560
	Noise Criteria	-	-	27	35	40	46	49	54
8	Airflow, CFM/FT.	80	160	240	320	400	480	560	640
	Noise Criteria	-	-	28	36	41	46	49	56

Model 5010R • 1" (25) Slot

No. of Slots	Static Pressure	.020	.045	.070	.110	.165	.215	.291	.471
1	Airflow, CFM/FT.	20	30	40	50	60	70	80	100
	Noise Criteria	-	-	-	25	30	34	38	45
2	Airflow, CFM/FT.	40	60	80	100	120	140	160	200
	Noise Criteria	-	-	22	28	33	36	40	48
3	Airflow, CFM/FT.	60	90	120	150	180	210	240	300
	Noise Criteria	-	-	24	30	35	38	43	50
4	Airflow, CFM/FT.	80	120	160	200	240	280	320	400
	Noise Criteria	-	-	25	31	35	40	45	51
5	Airflow, CFM/FT.	100	150	200	250	300	350	400	500
	Noise Criteria	-	-	25	32	37	41	45	51
6	Airflow, CFM/FT.	120	180	240	300	360	420	480	600
	Noise Criteria	-	-	27	33	38	42	47	53
7	Airflow, CFM/FT.	140	210	280	350	420	490	560	700
	Noise Criteria	-	20	28	34	40	42	48	53
8	Airflow, CFM/FT.	160	240	320	400	480	560	640	800
	Noise Criteria	-	20	28	34	40	43	48	54

Model 5015R • 1 1/2" (38) Slot

No. of Slots	Static Pressure	.007	.029	.066	.117	.183	.263	.358	.468
1	Airflow, CFM/FT.	20	40	60	80	100	120	140	180
	Noise Criteria	-	-	21	29	33	40	44	48
2	Airflow, CFM/FT.	40	80	120	160	200	240	280	320
	Noise Criteria	-	-	25	33	34	44	48	52
3	Airflow, CFM/FT.	60	120	180	240	300	360	420	480
	Noise Criteria	-	15	26	34	40	45	49	53
4	Airflow, CFM/FT.	80	160	240	320	400	480	560	640
	Noise Criteria	-	17	28	36	42	47	52	55
5	Airflow, CFM/FT.	100	200	300	400	500	600	700	800
	Noise Criteria	-	17	28	36	42	47	52	55
6	Airflow, CFM/FT.	120	240	360	480	600	720	840	960
	Noise Criteria	-	18	29	37	43	48	52	56

Performance Notes:

- All pressures are in inches w.g..
- Noise Criteria [NC] values are based on a 10 ft. active section. For other lengths, use the correction factor table show here.
- Dash (-) in space indicates an Noise Criteria [NC] level of less than 15.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006.

Noise Criteria Correction Factors for Various Lengths

Length (ft.)	2	4	6	8	9	10	15	20	25	30
Correction	-8	-5	-4	-2	-1	0	+2	+3	+4	+5

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LINEAR DIFFUSERS AND BAR GRILLES