



# ENGINEERING DATA

## EF Stripline®

### EF Stripline® Diffuser - Sidewall Installation

2 Row	Airflow (CFM/Linear Foot)	7	10	13	17	20	23	27	30	33	37
	Static Pressure	0.007	0.015	0.027	0.042	0.061	0.083	0.108	0.137	0.169	0.204
	Horizontal Throw	2-3-6	3-4-9	4-6-12	5-7-15	6-9-18	7-10-21	8-12-24	9-13-27	10-15-30	11-16-33
	Noise Criteria	-	-	-	18	23	28	33	37	40	43

4 Row	Airflow (CFM/Linear Foot)	13	20	27	33	40	47	53	60	67	73
	Static Pressure	0.008	0.018	0.032	0.051	0.073	0.099	0.130	0.164	0.202	0.245
	Horizontal Throw	3-4-8	4-6-13	7-8-17	7-10-21	8-13-25	10-15-29	11-17-33	13-19-38	14-21-42	15-23-46
	Noise Criteria	-	-	-	18	23	28	33	37	40	43

6 Row	Airflow (CFM/Linear Foot)	20	30	40	50	60	70	80	90	100	110
	Static Pressure	0.009	0.020	0.035	0.055	0.079	0.107	0.140	0.177	0.218	0.264
	Horizontal Throw	3-5-10	5-8-15	7-10-21	9-13-26	10-15-31	12-18-36	14-21-41	15-23-46	17-26-51	19-29-56
	Noise Criteria	-	-	-	18	23	28	33	37	40	43

8 Row	Airflow (CFM/Linear Foot)	27	40	53	67	80	93	107	120	133	147
	Static Pressure	0.009	0.021	0.037	0.057	0.083	0.112	0.147	0.186	0.229	0.278
	Horizontal Throw	4-5-11	5-8-16	7-11-21	9-13-27	11-16-32	12-19-37	14-21-43	16-24-48	18-27-54	20-29-59
	Noise Criteria	-	-	-	18	23	28	33	37	40	43

**Notes:**

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Unit of measure: Static Pressure - in. wc; Throw = ft. at 150, 100 and 50 fpm terminal velocity.
3. Noise Criteria (NC) is based upon 10 dB room absorption (Re: 10<sup>-12</sup> watts) evaluated at 125 through 4000 Hz octave bands.
4. Throw values are for 4' active diffuser lengths. For other active lengths, throw may be determined by applying the following multiplication factors:

<b>Diffuser Length (ft.)</b>	1	2	3	4	5	6	7	8	9	+10
<b>Throw Correction Multiplication Factor</b>	0.50	0.85	0.95	1.00	1.05	1.10	1.13	1.15	1.16	1.17

5. Sound data is for 4' active diffuser lengths. For other lengths, add or deduct the following values to or from the reported NC level:

<b>Diffuser Length (ft.)</b>	1	2	3	4	5	6	7	8	9	+10
<b>NC Correction</b>	-2	-2	-1	0	+1	+2	+2	+3	+4	+4

6. Dash "-" indicates NC value less than 15.



# ENGINEERING DATA

## EH Stripline®

### EH Stripline® Diffuser-Ceiling Installation

3 Row	Airflow (CFM/Linear Foot)	10	15	20	25	30	35	40	45	50	55
	Static Pressure	0.008	0.017	0.030	0.047	0.068	0.092	0.121	0.153	0.188	0.228
	Horizontal Throw	3-4-8	4-6-11	5-8-15	6-10-19	8-11-23	9-13-27	10-15-31	11-17-34	13-19-38	14-21-42
	Noise Criteria	-	-	-	18	23	28	33	37	40	43

6 Row	Airflow (CFM/Linear Foot)	20	30	40	50	60	70	80	90	100	110
	Static Pressure	0.009	0.020	0.035	0.055	0.079	0.107	0.140	0.177	0.218	0.264
	Horizontal Throw	4-6-11	6-8-17	8-11-23	9-14-28	11-17-34	13-20-40	15-23-45	17-25-51	19-28-57	21-31-62
	Noise Criteria	-	-	-	18	23	28	33	37	40	43

9 Row	Airflow (CFM/Linear Foot)	30	45	60	75	90	105	120	135	150	165
	Static Pressure	0.009	0.020	0.035	0.055	0.079	0.108	0.141	0.178	0.220	0.256
	Horizontal Throw	5-7-17	7-10-20	9-14-27	11-17-34	14-20-41	16-24-47	18-27-54	20-31-61	23-34-68	25-37-75
	Noise Criteria	-	-	-	18	23	28	33	37	40	43

12 Row	Airflow (CFM/Linear Foot)	40	60	80	100	120	140	160	180	200	220
	Static Pressure	0.009	0.020	0.035	0.055	0.079	0.107	0.140	0.177	0.219	0.265
	Horizontal Throw	5-8-16	8-12-24	11-16-32	13-20-40	16-24-48	19-28-56	21-32-64	24-36-72	27-40-80	29-44-88
	Noise Criteria	-	-	-	18	23	28	33	37	40	43

**Notes:**

- Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
- Unit of measure: Static Pressure - in. wc; Throw = ft. at 150, 100 and 50 fpm terminal velocity.
- Noise Criteria (NC) is based upon 10 dB room absorption (Re: 10<sup>-12</sup> watts) evaluated at 125 through 4000 Hz octave bands.
- Throw values are for 4' active diffuser lengths. For other active lengths, throw may be determined by applying the following multiplication factors:

<b>Diffuser Length (ft.)</b>	1	2	3	4	5	6	7	8	9	+10
<b>Throw Correction Multiplication Factor</b>	0.50	0.85	0.95	1.00	1.05	1.10	1.13	1.15	1.16	1.17

- Sound data is for 4' active diffuser lengths. For other lengths, add or deduct the following values to or from the reported NC level:

<b>Diffuser Length (ft.)</b>	1	2	3	4	5	6	7	8	9	+10
<b>NC Correction</b>	-2	-2	-1	0	+1	+2	+2	+3	+4	+4

- Dash "-" indicates NC value less than 15.