



AIR GUIDE LINEAR ASD1 RETURN PERFORMANCE DATA



MODEL ASD PERFORMANCE DATA

Plenum Return

1/2" (13) Slot

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

3/4" (19) Slot

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

CFM - cubic feet per minute

SP - negative static pressure - inches w.g.

NC - Noise Criteria (values) based on 10 dB room absorption, re 10⁻¹² watts.

Performance Notes:

1. NC values are based on a 10 ft. active section. For other lengths, use the correction factor table below.

2. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006.

NC 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

1" (25) Slot

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

