Performance Data

Supply • Continuous Pressurized Plenum

Model 5015 • 1 1/2" (38) Slot

No. of Slots	Total Pressure		.017 .010	.032 .019	.056 .033	.082 .049	.118 .071	.154 .093	.203 .122	.250 .150
1	CFM per Ft.		18	25	33	40	48	55	63	70
	Throw	H	3-5-9	5-8-12	7-10-14	8-11-15	10-12-17	11-13-18	12-14-19	13-15-20
		V	9	12	13	15	16	17	18	19
	NC		—	—	21	26	31	35	38	41
2	CFM per Ft.		35	50	65	80	95	110	125	140
	Throw	H	5-8-14	8-12-17	10-13-20	12-16-25	13-17-27	15-18-29	16-19-30	17-20-32
		V	11	16	19	20	21	23	25	27
	NC		—	17	24	29	34	38	41	44
3	CFM per Ft.		53	75	98	120	143	165	188	210
	Throw	H	7-10-17	10-14-20	13-17-28	15-19-31	16-20-33	19-22-35	20-27-36	22-28-38
		V	12	18	23	25	27	30	31	35
	NC		—	19	26	31	36	40	43	46
4	CFM per Ft.		70	100	130	160	190	220	250	280
	Throw	H	9-14-22	12-17-27	14-20-32	17-25-36	18-27-38	20-29-40	22-31-44	24-33-47
		V	15	21	26	29	31	34	36	40
	NC		—	20	27	32	37	41	44	47
5	CFM per Ft.		88	125	163	200	238	275	313	350
	Throw	H	11-15-25	13-19-31	16-23-35	20-28-39	24-30-43	27-32-47	28-33-50	30-35-53
		V	17	22	27	30	34	37	39	43
	NC		—	21	28	33	38	42	45	48
6	CFM per Ft.		105	150	195	240	285	330	375	420
	Throw	H	12-17-27	14-20-32	18-27-40	25-31-44	27-33-46	29-37-49	30-38-52	31-39-55
		V	18	26	31	34	37	41	43	45
	NC		15	22	29	34	39	43	46	49

NC Correction Factors for Various Lengths

Length (ft.)	2	4	6	8	9	10	15
Supply	- 3	0	+ 2	+ 3	+ 4	+ 5	+ 8
Return	0	+ 3	+ 4	+ 6	+ 7	+ 8	+ 10

Throw Correction Factors for Various Lengths

Length (ft.)	2	4	6	8	10	12
Multiplier	0.70	1.0	1.25	1.40	1.55	1.70

1. Data is based upon pressurized plenum application (non ducted) with no plenum effect for pressure or sound. Plenums should be sized to achieve equal velocity along the slot length. Keep duct inlet velocities below 700 fpm in order to maintain cataloged performance.

2. All pressures are in inches w.g..

3. Horizontal throws are given at 150,100 and 50 fpm terminal velocities. Vertical throws are given at 50 fpm terminal velocity. Both under isothermal conditions.

4. Throw data are based on active sections 4 ft. long. For other lengths, use the correction factor table above.

5. NC (Noise criteria) values are based on 10 dB room absorption, re 10^{-12} watts, for a 4 ft. section. For other lengths, use the correction factor table above. Vertical throw, deduct 10 NC.

6. Throw values are for a 1-way air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.

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