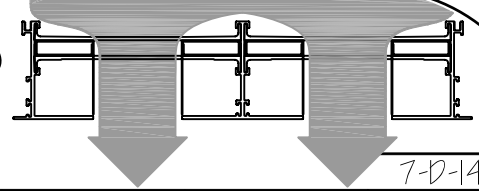




AIR FACTORS



PERFORMANCE DATA

DOUBLE SLOT, JET PAIR WITH PLENUM

7-D-14

2" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	420	560	700	840	980
			TOTAL PRESSURE	0.054	0.096	0.150	0.216	0.294
			STATIC PRESSURE	0.040	0.072	0.112	0.161	0.219
			NC (NOISE CRITERIA)	<15	17	23	29	34
			THROW	10 15 22	13 18 27	16 21 31	18 24 34	20 27 37
		AIRFLOW, CFM	650	850	1050	1250	1450	
	4 FT	TOTAL PRESSURE	0.066	0.113	0.171	0.243	0.327	
		STATIC PRESSURE	0.033	0.056	0.085	0.121	0.163	
		NC (NOISE CRITERIA)	18	24	28	32	38	
		THROW	10 16 26	14 20 31	17 24 36	20 27 40	23 30 44	
		AIRFLOW, CFM	680	880	1080	1280	1480	
	5 FT	TOTAL PRESSURE	0.063	0.105	0.158	0.222	0.297	
STATIC PRESSURE		0.027	0.045	0.067	0.095	0.126		
NC (NOISE CRITERIA)		16	21	25	29	34		
THROW		9 13 24	12 19 29	15 23 34	19 26 38	21 28 42		
AIRFLOW, CFM		520	705	890	1075	1260		
2-1/2" SLOT WIDTH	12" Ø INLET	2 FT	TOTAL PRESSURE	0.064	0.118	0.188	0.274	0.377
			STATIC PRESSURE	0.043	0.079	0.126	0.184	0.253
			NC (NOISE CRITERIA)	<15	18	26	32	37
			THROW	11 17 29	15 22 36	19 26 41	22 30 45	24 33 48
			AIRFLOW, CFM	780	1020	1260	1500	1740
		4 FT	TOTAL PRESSURE	0.083	0.141	0.215	0.305	0.411
	STATIC PRESSURE		0.035	0.060	0.092	0.130	0.174	
	NC (NOISE CRITERIA)		<15	20	26	32	37	
	THROW		10 16 28	13 20 34	17 24 39	20 27 44	23 30 47	
	AIRFLOW, CFM		850	1100	1350	1600	1850	
	5 FT	TOTAL PRESSURE	0.088	0.147	0.222	0.311	0.416	
		STATIC PRESSURE	0.032	0.053	0.080	0.112	0.149	
NC (NOISE CRITERIA)		<15	19	24	30	35		
THROW		9 16 26	12 22 32	16 26 37	20 30 42	24 34 45		
AIRFLOW, CFM		595	805	1015	1225	1435		
3" SLOT WIDTH	12" Ø INLET	2 FT	TOTAL PRESSURE	0.070	0.128	0.204	0.297	0.407
			STATIC PRESSURE	0.043	0.078	0.123	0.180	0.247
			NC (NOISE CRITERIA)	<15	16	24	31	37
			THROW	10 16 30	13 21 35	19 25 41	23 30 45	26 34 49
			AIRFLOW, CFM	840	1100	1360	1620	1880
		4 FT	TOTAL PRESSURE	0.088	0.151	0.230	0.326	0.439
	STATIC PRESSURE		0.033	0.056	0.086	0.121	0.164	
	NC (NOISE CRITERIA)		16	20	24	30	35	
	THROW		9 15 29	12 20 34	16 24 39	19 27 43	21 29 47	
	AIRFLOW, CFM		910	1175	1440	1705	1970	
	5 FT	TOTAL PRESSURE	0.093	0.154	0.231	0.324	0.433	
		STATIC PRESSURE	0.028	0.047	0.070	0.098	0.131	
NC (NOISE CRITERIA)		<15	18	20	28	33		
THROW		9 14 27	12 20 32	15 25 37	18 30 41	21 34 45		

PERFORMANCE NOTES:

- 1- All pressures are inches of water
- 2- Isothermal throws are given for terminal velocities of 150, 100 and 50 fpm.
- 3- Throw data, static pressure and NC (room absorption of 10db) values are based on a four foot unit length.
- 4- Throw values for weir gate pattern control units are based on a 1-way discharge from the slot.
- 5- Data was obtained from tests in accordance to ASHRAE Standard 70-1991 "method of testing for rating the performance of air outlets and inlets."

Table 1

NC correction for continuous active lengths.

Length(feet)	+2	+4	+6	+8	+10
Supply	-2	+0	+2	+3	+5
Return	+0	+3	+5	+6	+8