



## PERFORMANCE DATA

### DOUBLE SLOT, JET PAIR WITH PLENUM

7-D-14

2" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	<b>420</b>	<b>560</b>	<b>700</b>	<b>840</b>	<b>980</b>
			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
		4 FT	AIRFLOW, CFM	<b>650</b>	<b>850</b>	<b>1050</b>	<b>1250</b>	<b>1450</b>
			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
		5 FT	AIRFLOW, CFM	<b>680</b>	<b>880</b>	<b>1080</b>	<b>1280</b>	<b>1480</b>
			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
2-1/2" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	<b>520</b>	<b>705</b>	<b>890</b>	<b>1075</b>	<b>1260</b>
			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
		4 FT	AIRFLOW, CFM	<b>780</b>	<b>1020</b>	<b>1260</b>	<b>1500</b>	<b>1740</b>
			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
		5 FT	AIRFLOW, CFM	<b>850</b>	<b>1100</b>	<b>1350</b>	<b>1600</b>	<b>1850</b>
			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
3" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	<b>595</b>	<b>805</b>	<b>1015</b>	<b>1225</b>	<b>1435</b>
			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
		4 FT	AIRFLOW, CFM	<b>840</b>	<b>1100</b>	<b>1360</b>	<b>1620</b>	<b>1880</b>
			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
		5 FT	AIRFLOW, CFM	<b>910</b>	<b>1175</b>	<b>1440</b>	<b>1705</b>	<b>1970</b>
			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