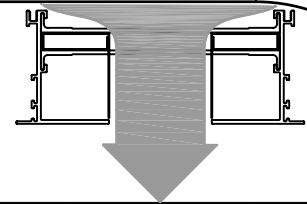




# AIR FACTORS



## PERFORMANCE DATA

### SINGLE SLOT, JET PAIR WITH PLENUM

7-11

2" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	<b>250</b>	<b>340</b>	<b>430</b>	<b>520</b>	<b>610</b>	
			TOTAL PRESSURE	0.065	0.121	0.193	0.282	0.388	
			STATIC PRESSURE	0.059	0.109	0.174	0.255	0.351	
			NC (NOISE CRITERIA)	<15	20	27	34	39	
		THROW			8 12 22	11 16 26	13 20 30	16 23 33	19 25 36
		4 FT	AIRFLOW, CFM	<b>440</b>	<b>590</b>	<b>740</b>	<b>890</b>	<b>1040</b>	
			TOTAL PRESSURE	0.077	0.138	0.216	0.312	0.427	
			STATIC PRESSURE	0.057	0.102	0.161	0.232	0.317	
			NC (NOISE CRITERIA)	16	25	31	37	42	
		THROW			8 14 24	10 18 29	12 22 33	14 25 36	16 28 39
		5 FT	AIRFLOW, CFM	<b>330</b>	<b>510</b>	<b>690</b>	<b>870</b>	<b>1050</b>	
			TOTAL PRESSURE	0.034	0.083	0.151	0.240	0.349	
STATIC PRESSURE	0.023		0.056	0.103	0.163	0.237			
NC (NOISE CRITERIA)	<15		18	27	33	39			
THROW			6 11 20	8 16 25	10 19 30	12 23 34	14 26 37		
2-1/2" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	<b>300</b>	<b>410</b>	<b>520</b>	<b>630</b>	<b>740</b>	
			TOTAL PRESSURE	0.067	0.125	0.202	0.296	0.409	
			STATIC PRESSURE	0.058	0.108	0.174	0.256	0.353	
			NC (NOISE CRITERIA)	<15	18	25	32	38	
		THROW			8 11 24	11 16 29	14 20 32	17 24 36	20 27 39
		4 FT	AIRFLOW, CFM	<b>520</b>	<b>705</b>	<b>890</b>	<b>1075</b>	<b>1260</b>	
			TOTAL PRESSURE	0.086	0.158	0.251	0.366	0.503	
			STATIC PRESSURE	0.059	0.107	0.171	0.249	0.342	
			NC (NOISE CRITERIA)	17	26	34	40	46	
		THROW			9 14 25	12 18 31	15 22 35	18 25 38	20 28 41
		5 FT	AIRFLOW, CFM	<b>580</b>	<b>790</b>	<b>1000</b>	<b>1210</b>	<b>1420</b>	
			TOTAL PRESSURE	0.058	0.120	0.205	0.312	0.443	
STATIC PRESSURE	0.034		0.071	0.122	0.187	0.267			
NC (NOISE CRITERIA)	<15		18	27	34	40			
THROW			8 13 23	11 17 30	14 21 34	17 24 37	20 27 40		
3" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	<b>350</b>	<b>475</b>	<b>600</b>	<b>725</b>	<b>850</b>	
			TOTAL PRESSURE	0.064	0.118	0.187	0.274	0.377	
			STATIC PRESSURE	0.055	0.100	0.160	0.233	0.320	
			NC (NOISE CRITERIA)	<15	<10	18	27	33	
		THROW			5 10 20	8 15 28	11 20 33	14 24 36	17 27 39
		4 FT	AIRFLOW, CFM	<b>600</b>	<b>800</b>	<b>1000</b>	<b>1200</b>	<b>1400</b>	
			TOTAL PRESSURE	0.080	0.143	0.222	0.320	0.436	
			STATIC PRESSURE	0.052	0.092	0.144	0.208	0.283	
			NC (NOISE CRITERIA)	17	24	30	36	40	
		THROW			9 15 26	12 19 31	15 23 35	18 26 38	20 28 41
		5 FT	AIRFLOW, CFM	<b>680</b>	<b>900</b>	<b>1120</b>	<b>1340</b>	<b>1560</b>	
			TOTAL PRESSURE	0.085	0.149	0.231	0.331	0.449	
STATIC PRESSURE	0.050		0.086	0.134	0.192	0.260			
NC (NOISE CRITERIA)	15		23	30	36	41			
THROW			8 14 24	11 18 30	14 20 34	17 25 37	20 27 40		

## 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