



PERFORMANCE DATA

DOUBLE SLOT, STANDARD WEIR GATES WITH PLENUM

7-7

3" SLOT WIDTH	10" Ø INLET	2 FT	AIRFLOW, CFM	280	380	480	580	680
			TOTAL PRESSURE	0.064	0.118	0.188	0.274	0.377
			STATIC PRESSURE	0.048	0.088	0.140	0.204	0.280
			NC (NOISE CRITERIA)	15	22	29	35	40
			THROW	6 10 19	9 13 23	11 17 26	13 19 29	16 22 32
		4 FT	AIRFLOW, CFM	450	600	750	900	1050
			TOTAL PRESSURE	0.080	0.143	0.222	0.320	0.436
			STATIC PRESSURE	0.038	0.067	0.104	0.151	0.205
			NC (NOISE CRITERIA)	<15	23	30	36	41
			THROW	6 10 20	9 13 25	11 16 28	13 19 32	15 22 35
		5 FT	AIRFLOW, CFM	350	520	690	860	1030
			TOTAL PRESSURE	0.042	0.092	0.162	0.251	0.360
	STATIC PRESSURE		0.016	0.035	0.062	0.096	0.138	
	NC (NOISE CRITERIA)		<15	18	25	32	38	
	THROW		4 7 14	7 10 20	9 14 25	11 16 30	14 19 33	
3" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	280	380	480	580	680
			TOTAL PRESSURE	0.051	0.093	0.149	0.217	0.298
			STATIC PRESSURE	0.043	0.078	0.125	0.183	0.251
			NC (NOISE CRITERIA)	<15	16	24	31	36
			THROW	6 10 19	9 13 23	11 17 26	13 19 29	16 22 32
		4 FT	AIRFLOW, CFM	470	630	790	950	1110
			TOTAL PRESSURE	0.060	0.107	0.167	0.242	0.331
			STATIC PRESSURE	0.037	0.066	0.104	0.151	0.206
			NC (NOISE CRITERIA)	<15	20	28	35	40
			THROW	7 11 21	9 14 25	11 17 29	14 20 33	16 24 36
		5 FT	AIRFLOW, CFM	540	720	900	1080	1260
			TOTAL PRESSURE	0.062	0.111	0.173	0.249	0.339
	STATIC PRESSURE		0.033	0.058	0.091	0.131	0.178	
	NC (NOISE CRITERIA)		17	22	30	37	41	
	THROW		6 10 20	8 14 24	12 17 28	14 20 32	16 24 35	

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 70-2006 "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