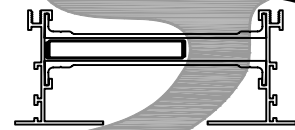




# AIR FACTORS



## PERFORMANCE DATA

### SINGLE SLOT, STANDARD WEIR GATES WITH PLENUM

7-3

2" SLOT WIDTH	8" Ø INLET	2 FT	AIRFLOW, CFM	<b>120</b>	<b>155</b>	<b>190</b>	<b>225</b>	<b>260</b>
			TOTAL PRESSURE	0.083	0.134	0.194	0.263	0.343
			STATIC PRESSURE	0.069	0.112	0.166	0.227	0.300
			NC (NOISE CRITERIA)	<15	17	27	32	36
			THROW	7 12 21	9 15 24	11 16 27	13 18 29	15 19 31
		4 FT	AIRFLOW, CFM	<b>210</b>	<b>270</b>	<b>330</b>	<b>390</b>	<b>450</b>
			TOTAL PRESSURE	0.090	0.149	0.221	0.308	0.406
			STATIC PRESSURE	0.068	0.107	0.156	0.212	0.276
			NC (NOISE CRITERIA)	18	25	31	36	41
			THROW	7 12 23	9 15 26	11 18 28	13 20 30	16 21 33
		5 FT	AIRFLOW, CFM	<b>230</b>	<b>295</b>	<b>360</b>	<b>425</b>	<b>490</b>
			TOTAL PRESSURE	0.092	0.152	0.227	0.311	0.418
			STATIC PRESSURE	0.055	0.087	0.127	0.171	0.222
			NC (NOISE CRITERIA)	19	26	32	37	42
			THROW	7 11 22	9 14 26	10 16 28	12 19 31	14 22 33
2" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	<b>130</b>	<b>170</b>	<b>210</b>	<b>250</b>	<b>290</b>
			TOTAL PRESSURE	0.071	0.118	0.175	0.245	0.324
			STATIC PRESSURE	0.067	0.115	0.171	0.236	0.313
			NC (NOISE CRITERIA)	<15	16	22	27	32
			THROW	7 12 20	9 14 23	12 16 25	14 18 27	15 19 29
		4 FT	AIRFLOW, CFM	<b>240</b>	<b>315</b>	<b>390</b>	<b>465</b>	<b>540</b>
			TOTAL PRESSURE	0.069	0.118	0.176	0.246	0.330
			STATIC PRESSURE	0.059	0.100	0.149	0.208	0.278
			NC (NOISE CRITERIA)	<15	20	26	31	36
			THROW	8 13 24	10 16 27	12 19 29	14 21 31	17 23 35
		5 FT	AIRFLOW, CFM	<b>280</b>	<b>370</b>	<b>460</b>	<b>550</b>	<b>640</b>
			TOTAL PRESSURE	0.068	0.117	0.177	0.245	0.333
			STATIC PRESSURE	0.054	0.092	0.140	0.191	0.261
			NC (NOISE CRITERIA)	15	22	28	33	37
			THROW	8 14 25	11 17 29	14 20 31	16 22 33	19 24 37
2-1/2" SLOT WIDTH	10" Ø INLET	2 FT	AIRFLOW, CFM	<b>190</b>	<b>235</b>	<b>280</b>	<b>325</b>	<b>370</b>
			TOTAL PRESSURE	0.097	0.150	0.212	0.283	0.363
			STATIC PRESSURE	0.086	0.133	0.188	0.250	0.320
			NC (NOISE CRITERIA)	15	23	29	33	37
			THROW	8 14 21	11 16 24	13 17 26	15 19 28	16 20 30
		4 FT	AIRFLOW, CFM	<b>300</b>	<b>380</b>	<b>460</b>	<b>540</b>	<b>620</b>
			TOTAL PRESSURE	0.094	0.148	0.215	0.292	0.382
			STATIC PRESSURE	0.066	0.103	0.149	0.202	0.263
			NC (NOISE CRITERIA)	20	27	33	38	42
			THROW	8 13 24	10 16 27	12 19 29	15 21 32	18 22 34
		5 FT	AIRFLOW, CFM	<b>330</b>	<b>420</b>	<b>510</b>	<b>600</b>	<b>690</b>
			TOTAL PRESSURE	0.086	0.138	0.201	0.275	0.363
			STATIC PRESSURE	0.052	0.084	0.120	0.163	0.215
			NC (NOISE CRITERIA)	19	26	33	38	43
			THROW	8 12 24	10 16 27	12 19 29	14 21 32	17 23 35
2-1/2" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	<b>190</b>	<b>235</b>	<b>280</b>	<b>325</b>	<b>370</b>
			TOTAL PRESSURE	0.085	0.136	0.193	0.258	0.334
			STATIC PRESSURE	0.079	0.126	0.179	0.239	0.310
			NC (NOISE CRITERIA)	<15	21	26	31	35
			THROW	8 14 23	11 16 24	13 17 26	15 19 28	16 20 30
		4 FT	AIRFLOW, CFM	<b>310</b>	<b>395</b>	<b>480</b>	<b>565</b>	<b>650</b>
			TOTAL PRESSURE	0.076	0.121	0.176	0.252	0.334
			STATIC PRESSURE	0.059	0.093	0.134	0.196	0.259
			NC (NOISE CRITERIA)	16	24	31	36	40
			THROW	9 13 24	11 17 28	13 20 30	16 22 33	18 23 36
		5 FT	AIRFLOW, CFM	<b>350</b>	<b>450</b>	<b>550</b>	<b>650</b>	<b>750</b>
			TOTAL PRESSURE	0.077	0.127	0.188	0.255	0.343
			STATIC PRESSURE	0.055	0.091	0.135	0.181	0.243
			NC (NOISE CRITERIA)	<15	25	31	36	40
			THROW	9 13 24	11 17 28	13 20 31	16 22 34	18 24 36