



# AIR FACTORS

## PERFORMANCE DATA

### PRESSURIZED CEILING PLENUM WITH STANDARD WEIRS

7-1

1" SLOT WIDTH	1 SLOT	AIRFLOW, CFM/FT	<b>25</b>	<b>40</b>	<b>55</b>	<b>70</b>	<b>85</b>	<b>100</b>
		STATIC PRESSURE	0.032	0.069	0.133	0.218	0.308	0.419
		NC (NOISE CRITERIA)	<15	17	25	32	37	42
		THROW	5 9 16	9 15 20	13 18 23	16 20 26	17 22 29	19 24 32
	2 SLOT	AIRFLOW, CFM/FT	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>175</b>
		STATIC PRESSURE	0.023	0.052	0.091	0.141	0.205	0.279
		NC (NOISE CRITERIA)	<15	17	26	32	38	42
		THROW	6 10 20	9 16 25	13 20 29	17 22 32	19 24 35	20 26 38
1-1/2" SLOT WIDTH	1 SLOT	AIRFLOW, CFM/FT	<b>30</b>	<b>45</b>	<b>60</b>	<b>75</b>	<b>90</b>	<b>105</b>
		STATIC PRESSURE	0.024	0.058	0.117	0.184	0.264	0.345
		NC (NOISE CRITERIA)	<15	<15	22	29	34	38
		THROW	5 8 17	8 13 20	11 17 23	13 19 26	16 20 29	18 22 32
	2 SLOT	AIRFLOW, CFM/FT	<b>60</b>	<b>85</b>	<b>110</b>	<b>135</b>	<b>160</b>	<b>185</b>
		STATIC PRESSURE	0.027	0.052	0.088	0.128	0.176	0.235
		NC (NOISE CRITERIA)	<15	16	23	29	34	38
		THROW	6 10 20	8 13 26	11 17 28	14 21 31	16 23 34	19 24 37
2" SLOT WIDTH	1 SLOT	AIRFLOW, CFM/FT	<b>30</b>	<b>50</b>	<b>70</b>	<b>90</b>	<b>110</b>	<b>130</b>
		STATIC PRESSURE	0.017	0.048	0.083	0.152	0.221	0.282
		NC (NOISE CRITERIA)	<15	<15	21	27	32	37
		THROW	4 7 15	7 11 20	10 15 24	13 19 27	15 21 30	18 23 34
	2 SLOT	AIRFLOW, CFM/FT	<b>60</b>	<b>95</b>	<b>130</b>	<b>165</b>	<b>200</b>	<b>235</b>
		STATIC PRESSURE	0.017	0.041	0.074	0.115	0.167	0.227
		NC (NOISE CRITERIA)	<15	<15	22	29	33	37
		THROW	4 8 16	7 12 24	10 16 28	14 20 32	15 23 35	18 25 38
2-1/2" SLOT WIDTH	1 SLOT	AIRFLOW, CFM/FT	<b>30</b>	<b>55</b>	<b>80</b>	<b>105</b>	<b>130</b>	<b>155</b>
		STATIC PRESSURE	0.009	0.040	0.073	0.132	0.192	0.264
		NC (NOISE CRITERIA)	<15	<15	21	27	32	37
		THROW	3 6 13	6 10 19	9 14 24	12 18 28	14 20 31	18 22 35
	2 SLOT	AIRFLOW, CFM/FT	<b>60</b>	<b>105</b>	<b>150</b>	<b>195</b>	<b>240</b>	<b>285</b>
		STATIC PRESSURE	0.009	0.028	0.054	0.088	0.131	0.183
		NC (NOISE CRITERIA)	<15	<15	20	29	35	39
		THROW	4 7 14	7 12 22	10 16 28	14 20 33	16 25 36	19 27 39
3" SLOT WIDTH	1 SLOT	AIRFLOW, CFM/FT	<b>30</b>	<b>60</b>	<b>90</b>	<b>120</b>	<b>150</b>	<b>180</b>
		STATIC PRESSURE	0.008	0.030	0.065	0.112	0.170	0.241
		NC (NOISE CRITERIA)	<15	<15	20	26	32	37
		THROW	3 5 11	6 10 19	9 14 25	12 19 29	15 22 32	18 23 36
	2 SLOT	AIRFLOW, CFM/FT	<b>60</b>	<b>120</b>	<b>180</b>	<b>240</b>	<b>300</b>	<b>360</b>
		STATIC PRESSURE	0.008	0.031	0.066	0.114	0.176	0.249
		NC (NOISE CRITERIA)	<15	16	23	30	37	41
		THROW	3 6 11	7 11 21	10 15 28	14 21 33	17 25 37	21 28 40