

**5DMGSR, 5DMGSU, 5DMGDR, 5DMGDU Performance Data**
**ENTRAINED JET AIRFLOW IP DATA: 5DMGSR, 5DMGSU, 5DMGDR, 5DMGDU (NO DAMPER)**

Nom Duct	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
			Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7
in	FPM	CFM	"WG	ft	"WG	ft	"WG	ft							
10" x 3"	300	43	.017	4 - 6 - 12	.023	3 - 5 - 9	.029	2 - 3 - 5	-	29	16	17	-	-	-
	400	58	.030	6 - 9 - 14	.041	4 - 7 - 11	.052	3 - 4 - 6	-	35	24	25	11	-	-
	500	72	.046	7 - 11 - 16	.064	6 - 8 - 12	.081	3 - 5 - 7	14	40	30	31	19	-	-
	600	87	.067	9 - 12 - 17	.092	7 - 9 - 13	.117	4 - 5 - 8	19	45	35	36	26	15	-
	700	101	.091	10 - 13 - 18	.125	8 - 10 - 14	.159	5 - 6 - 8	24	48	39	40	32	23	18
	800	116	.119	11 - 14 - 20	.163	9 - 11 - 15	.208	5 - 6 - 9	28	51	43	43	37	30	25
	1000	145	.186	13 - 16 - 22	.255	10 - 12 - 17	.325	6 - 7 - 10	35	57	49	49	45	41	36
	1200	173	.267	14 - 17 - 24	.368	11 - 13 - 19	.468	6 - 8 - 11	40	61	54	54	52	50	45
10" x 4"	300	63	.017	5 - 8 - 15	.023	4 - 6 - 11	.029	2 - 4 - 7	-	30	17	19	-	-	-
	400	84	.030	7 - 10 - 17	.041	5 - 8 - 13	.052	3 - 5 - 8	-	37	25	26	12	-	-
	500	104	.046	9 - 13 - 19	.064	7 - 10 - 15	.081	4 - 6 - 8	15	42	31	32	21	-	-
	600	125	.067	10 - 15 - 21	.092	8 - 11 - 16	.117	5 - 7 - 9	21	46	36	37	27	17	11
	700	146	.091	12 - 16 - 22	.125	9 - 12 - 17	.159	5 - 7 - 10	25	50	40	41	33	25	19
	800	167	.119	14 - 17 - 24	.163	11 - 13 - 18	.208	6 - 8 - 11	29	53	44	45	38	31	26
	1000	209	.186	15 - 19 - 27	.255	12 - 15 - 21	.325	7 - 8 - 12	36	58	50	51	47	42	37
	1200	251	.267	17 - 21 - 29	.368	13 - 16 - 23	.468	8 - 9 - 13	42	62	55	56	54	51	47
10" x 6"	300	101	.017	6 - 10 - 18	.023	5 - 8 - 14	.029	3 - 4 - 8	-	32	19	21	-	-	-
	400	135	.030	9 - 13 - 21	.041	7 - 10 - 17	.052	4 - 6 - 10	11	39	27	28	14	-	-
	500	169	.046	11 - 17 - 24	.064	9 - 13 - 19	.081	5 - 7 - 11	17	44	33	34	23	-	-
	600	202	.067	13 - 18 - 26	.092	10 - 14 - 20	.117	6 - 8 - 12	23	48	38	39	29	19	13
	700	236	.091	15 - 20 - 28	.125	12 - 15 - 22	.159	7 - 9 - 13	27	52	42	43	35	27	21
	800	270	.119	17 - 21 - 30	.163	14 - 17 - 23	.208	8 - 10 - 14	31	55	46	47	40	33	28
	900	304	.150	18 - 23 - 32	.207	14 - 18 - 25	.263	8 - 10 - 14	35	58	49	50	45	39	34
	1100	371	.225	20 - 25 - 35	.309	16 - 19 - 27	.393	9 - 11 - 16	41	62	55	56	52	49	44
12" x 4"	200	51	.007	2 - 5 - 11	.010	2 - 4 - 9	.013	1 - 2 - 5	-	21	-	-	-	-	-
	300	76	.017	5 - 9 - 16	.023	4 - 7 - 12	.029	2 - 4 - 7	-	31	18	19	-	-	-
	400	102	.030	8 - 11 - 19	.041	6 - 9 - 14	.052	3 - 5 - 8	-	38	26	27	13	-	-
	500	127	.046	10 - 14 - 21	.064	7 - 11 - 16	.081	4 - 6 - 9	16	43	32	33	21	-	-
	600	152	.067	11 - 16 - 23	.092	9 - 12 - 18	.117	5 - 7 - 10	22	47	37	38	28	18	12
	700	178	.091	13 - 17 - 25	.125	10 - 13 - 19	.159	6 - 8 - 11	26	51	41	42	34	25	20
	800	203	.119	15 - 19 - 26	.163	12 - 14 - 20	.208	7 - 8 - 12	30	54	45	46	39	32	27
	1000	254	.186	17 - 21 - 29	.255	13 - 16 - 23	.325	8 - 9 - 13	37	59	51	52	48	43	38
14" x 3"	300	62	.017	5 - 8 - 14	.023	4 - 6 - 11	.029	2 - 4 - 7	-	30	17	18	-	-	-
	400	83	.030	7 - 10 - 17	.041	5 - 8 - 13	.052	3 - 5 - 8	-	37	25	26	12	-	-
	500	104	.046	9 - 13 - 19	.064	7 - 10 - 14	.081	4 - 6 - 8	15	42	31	32	21	-	-
	600	124	.067	10 - 14 - 20	.092	8 - 11 - 16	.117	5 - 7 - 9	21	46	36	37	27	17	11
	700	145	.091	12 - 16 - 22	.125	9 - 12 - 17	.159	5 - 7 - 10	25	50	40	41	33	24	19
	800	166	.119	14 - 17 - 24	.163	11 - 13 - 18	.208	6 - 8 - 11	29	53	44	45	38	31	26
	900	186	.150	14 - 18 - 25	.207	11 - 14 - 19	.263	7 - 8 - 11	33	56	47	48	43	37	32
	1100	228	.225	16 - 20 - 28	.309	12 - 15 - 22	.393	7 - 9 - 12	39	60	53	54	50	47	42
14" x 4"	300	90	.017	6 - 9 - 17	.023	5 - 7 - 13	.029	3 - 4 - 8	-	32	19	20	-	-	-
	400	120	.030	8 - 12 - 20	.041	6 - 10 - 16	.052	4 - 6 - 9	-	38	27	28	14	-	-
	500	150	.046	10 - 16 - 22	.064	8 - 12 - 17	.081	5 - 7 - 10	17	44	33	34	22	-	-
	600	179	.067	12 - 17 - 25	.092	10 - 13 - 19	.117	6 - 8 - 11	22	48	38	39	29	18	13
	700	209	.091	15 - 19 - 27	.125	11 - 15 - 21	.159	7 - 8 - 12	27	51	42	43	35	26	21
	800	239	.119	16 - 20 - 28	.163	13 - 16 - 22	.208	7 - 9 - 13	31	54	46	46	40	33	28
	900	269	.150	17 - 21 - 30	.207	13 - 17 - 23	.263	8 - 10 - 14	34	57	49	50	44	38	34
	1100	329	.225	18 - 22 - 32	.309	14 - 17 - 25	.393	8 - 10 - 14	38	60	52	53	48	44	39

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10<sup>-12</sup> Watts. Dash in space denotes a NC or dB value of less than 10. Nominal duct is duct width. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection program for performance data not shown, including octave band data.

**5DMGSR, 5DMGSU, 5DMGDR, 5DMGDU Performance Data**

ENTRAINED JET AIRFLOW IP DATA: 5DMGSR, 5DMGSU, 5DMGDR, 5DMGDU (NO DAMPER)

Nom Duct in	Neck Vel FPM	Air Flow CFM	0°		22.5°		45°		NC	Octave Band, dB						
			Pt "WG	Throw ft	Pt "WG	Throw ft	Pt "WG	Throw ft		2	3	4	5	6	7	
14" x 6"	200	97	.007	3 - 7 - 16	.010	3 - 6 - 12	.013	1 - 3 - 7	-	24	-	11	-	-	-	
	300	145	.017	7 - 12 - 22	.023	6 - 9 - 17	.029	3 - 5 - 10	-	34	21	22	-	-	-	
	400	193	.030	11 - 16 - 26	.041	8 - 12 - 20	.052	5 - 7 - 12	12	40	29	30	16	-	-	
	500	242	.046	13 - 20 - 29	.064	10 - 15 - 22	.081	6 - 9 - 13	19	46	35	36	24	11	-	
	600	290	.067	16 - 22 - 31	.092	12 - 17 - 24	.117	7 - 10 - 14	24	50	40	41	31	20	15	
	700	338	.091	18 - 24 - 34	.125	14 - 19 - 26	.159	8 - 11 - 15	29	53	44	45	37	28	23	
	800	386	.119	21 - 26 - 36	.163	16 - 20 - 28	.208	9 - 12 - 16	33	57	48	49	42	35	29	
	900	435	.150	22 - 27 - 38	.207	17 - 21 - 30	.263	10 - 12 - 17	36	59	51	52	46	40	35	
1000	483	.186	23 - 29 - 40	.255	18 - 22 - 31	.325	10 - 13 - 18	40	62	54	55	50	46	41		
14" x 8"	200	133	.007	4 - 9 - 19	.010	3 - 7 - 14	.013	2 - 4 - 8	-	26	11	12	-	-	-	
	300	200	.017	9 - 14 - 26	.023	7 - 11 - 20	.029	4 - 6 - 12	-	35	22	23	-	-	-	
	400	267	.030	12 - 19 - 30	.041	10 - 14 - 23	.052	6 - 8 - 14	14	42	30	31	17	-	-	
	500	334	.046	16 - 23 - 34	.064	12 - 18 - 26	.081	7 - 10 - 15	20	47	36	37	25	13	-	
	600	400	.067	19 - 26 - 37	.092	14 - 20 - 29	.117	8 - 12 - 17	26	51	41	42	32	22	16	
	700	467	.091	22 - 28 - 40	.125	17 - 22 - 31	.159	10 - 13 - 18	30	55	45	46	38	29	24	
	800	534	.119	25 - 30 - 42	.163	19 - 23 - 33	.208	11 - 14 - 19	34	58	49	50	43	36	31	
	900	600	.150	26 - 32 - 45	.207	20 - 25 - 35	.263	12 - 14 - 20	38	61	52	53	48	42	37	
1000	667	.186	27 - 34 - 47	.255	21 - 26 - 37	.325	12 - 15 - 21	41	63	55	56	52	47	42		
20" x 3"	300	90	.017	6 - 9 - 17	.023	5 - 7 - 14	.029	3 - 4 - 8	-	32	19	20	-	-	-	
	400	120	.030	8 - 13 - 20	.041	6 - 10 - 16	.052	4 - 6 - 9	-	38	27	28	14	-	-	
	500	150	.046	10 - 16 - 23	.064	8 - 12 - 17	.081	5 - 7 - 10	17	44	33	34	22	-	-	
	600	180	.067	13 - 17 - 25	.092	10 - 14 - 19	.117	6 - 8 - 11	22	48	38	39	29	18	13	
	700	211	.091	15 - 19 - 27	.125	11 - 15 - 21	.159	7 - 8 - 12	27	51	42	43	35	26	21	
	800	241	.119	16 - 20 - 29	.163	13 - 16 - 22	.208	7 - 9 - 13	31	54	46	47	40	33	28	
	900	271	.150	17 - 21 - 30	.207	14 - 17 - 23	.263	8 - 10 - 14	35	57	49	50	44	38	34	
	1000	301	.186	18 - 23 - 32	.255	14 - 17 - 25	.325	8 - 10 - 14	38	60	52	53	48	44	39	
1100	331	.225	19 - 24 - 33	.309	15 - 18 - 26	.393	9 - 11 - 15	41	62	54	55	52	48	44		
20" x 4"	300	130	.017	7 - 11 - 21	.023	5 - 9 - 16	.029	3 - 5 - 9	-	33	20	22	-	-	-	
	400	174	.030	10 - 15 - 24	.041	8 - 12 - 19	.052	5 - 7 - 11	12	40	28	29	15	-	-	
	500	217	.046	13 - 19 - 27	.064	10 - 15 - 21	.081	6 - 8 - 12	18	45	34	35	24	11	-	
	600	261	.067	15 - 21 - 30	.092	12 - 16 - 23	.117	7 - 9 - 13	24	49	39	40	31	20	14	
	700	304	.091	18 - 23 - 32	.125	14 - 18 - 25	.159	8 - 10 - 14	29	53	44	44	36	28	22	
	800	348	.119	20 - 24 - 34	.163	15 - 19 - 27	.208	9 - 11 - 15	33	56	47	48	41	34	29	
	900	391	.150	21 - 26 - 36	.207	16 - 20 - 28	.263	9 - 12 - 16	36	59	50	51	46	40	35	
	1000	434	.186	22 - 27 - 38	.255	17 - 21 - 30	.325	10 - 12 - 17	39	61	53	54	50	45	40	
1100	478	.225	23 - 28 - 40	.309	18 - 22 - 31	.393	10 - 13 - 18	42	63	56	57	53	50	45		
20" x 8"	200	194	.007	5 - 10 - 22	.010	4 - 8 - 17	.013	2 - 5 - 10	-	27	13	14	-	-	-	
	300	291	.017	10 - 17 - 31	.023	8 - 13 - 24	.029	5 - 8 - 14	-	37	24	25	-	-	-	
	400	388	.030	15 - 22 - 36	.041	12 - 17 - 28	.052	7 - 10 - 16	15	43	32	33	19	-	-	
	500	485	.046	19 - 28 - 40	.064	14 - 22 - 31	.081	8 - 13 - 18	22	48	38	39	27	14	-	
	600	582	.067	22 - 31 - 44	.092	17 - 24 - 34	.117	10 - 14 - 20	27	53	43	44	34	23	18	
	700	678	.091	26 - 34 - 48	.125	20 - 26 - 37	.159	12 - 15 - 22	32	56	47	48	40	31	26	
	800	775	.119	30 - 36 - 51	.163	23 - 28 - 40	.208	13 - 16 - 23	36	59	51	51	45	38	32	
	900	872	.150	31 - 38 - 54	.207	24 - 30 - 42	.263	14 - 17 - 24	39	62	54	55	49	43	38	
1000	969	.186	33 - 40 - 57	.255	26 - 31 - 44	.325	15 - 18 - 26	43	65	57	57	53	49	44		
20" x 12"	150	226	.004	3 - 7 - 21	.006	3 - 6 - 16	.007	1 - 3 - 9	-	22	-	-	-	-	-	
	275	414	.014	11 - 19 - 37	.019	9 - 15 - 29	.025	5 - 9 - 17	-	36	23	25	-	-	-	
	350	526	.023	16 - 24 - 42	.031	13 - 19 - 33	.040	7 - 11 - 19	13	42	30	31	15	-	-	
	425	639	.034	20 - 30 - 46	.046	15 - 23 - 36	.059	9 - 13 - 21	19	47	35	36	23	-	-	
	500	752	.046	23 - 35 - 50	.064	18 - 27 - 39	.081	10 - 16 - 23	24	50	40	41	29	16	-	
	575	865	.061	27 - 38 - 54	.084	21 - 30 - 42	.107	12 - 17 - 24	28	54	43	44	34	23	17	
	650	978	.078	30 - 41 - 57	.108	23 - 32 - 45	.137	14 - 18 - 26	32	56	47	48	39	29	24	
	725	1090	.098	34 - 43 - 61	.134	26 - 33 - 47	.171	15 - 19 - 27	35	59	50	51	43	35	29	
800	1203	.119	37 - 45 - 64	.163	29 - 35 - 49	.208	17 - 20 - 29	38	61	52	53	47	39	34		

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10<sup>-12</sup> Watts. Dash in space denotes a NC or dB value of less than 10. Nominal duct is duct width. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection program for performance data not shown, including octave band data.

DUCT MOUNTED GRILLES & LOUVERS 5DMG \* R - 5DMG \* U

**5DMGSR, 5DMGSU, 5DMGDR, 5DMGDU Performance Data**
**ENTRAINED JET AIRFLOW IP DATA: 5DMGSR, 5DMGSU, 5DMGDR, 5DMGDU (NO DAMPER)**

Nom Duct	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB						
			Pt	Throw	Pt	Throw	Pt	Throw		2	3	4	5	6	7	
in	FPM	CFM	"WG	ft	"WG	ft	"WG	ft								
30" x 3"	200	91	.007	3 - 7 - 15	.010	2 - 6 - 12	.013	1 - 3 - 7	-	24	-	11	-	-	-	
	300	137	.017	7 - 12 - 22	.023	6 - 9 - 17	.029	3 - 5 - 10	-	33	21	22	-	-	-	
	400	183	.030	10 - 15 - 25	.041	8 - 12 - 19	.052	5 - 7 - 11	12	40	28	30	15	-	-	
	500	229	.046	13 - 19 - 28	.064	10 - 15 - 22	.081	6 - 9 - 13	19	45	35	36	24	11	-	
	600	274	.067	15 - 22 - 30	.092	12 - 17 - 24	.117	7 - 10 - 14	24	50	40	41	31	20	15	
	700	320	.091	18 - 23 - 33	.125	14 - 18 - 25	.159	8 - 10 - 15	29	53	44	45	37	28	22	
	800	366	.119	20 - 25 - 35	.163	16 - 19 - 27	.208	9 - 11 - 16	33	56	47	48	42	34	29	
	900	411	.150	22 - 26 - 37	.207	17 - 20 - 29	.263	10 - 12 - 17	36	59	51	51	46	40	35	
1000	457	.186	23 - 28 - 39	.255	18 - 22 - 30	.325	10 - 13 - 18	39	61	54	54	50	45	41		
30" x 4"	200	132	.007	4 - 9 - 19	.010	3 - 7 - 14	.013	2 - 4 - 8	-	26	11	12	-	-	-	
	300	198	.017	9 - 14 - 26	.023	7 - 11 - 20	.029	4 - 6 - 12	-	35	22	23	-	-	-	
	400	264	.030	12 - 19 - 30	.041	10 - 14 - 23	.052	6 - 8 - 13	14	42	30	31	17	-	-	
	500	330	.046	15 - 23 - 33	.064	12 - 18 - 26	.081	7 - 10 - 15	20	47	36	37	25	13	-	
	600	396	.067	19 - 26 - 37	.092	14 - 20 - 28	.117	8 - 12 - 16	26	51	41	42	32	22	16	
	700	462	.091	22 - 28 - 40	.125	17 - 22 - 31	.159	10 - 13 - 18	30	55	45	46	38	29	24	
	800	528	.119	24 - 30 - 42	.163	19 - 23 - 33	.208	11 - 13 - 19	34	58	49	50	43	36	31	
	900	594	.150	26 - 32 - 45	.207	20 - 25 - 35	.263	12 - 14 - 20	38	61	52	53	48	42	37	
1000	660	.186	27 - 33 - 47	.255	21 - 26 - 37	.325	12 - 15 - 21	41	63	55	56	52	47	42		
30" x 8"	150	221	.004	3 - 7 - 21	.006	3 - 6 - 16	.007	1 - 3 - 9	-	22	-	-	-	-	-	
	275	405	.014	11 - 19 - 37	.019	8 - 15 - 29	.025	5 - 9 - 17	-	36	23	24	-	-	-	
	350	515	.023	16 - 24 - 42	.031	13 - 19 - 32	.040	7 - 11 - 19	13	42	30	31	15	-	-	
	425	626	.034	20 - 29 - 46	.046	15 - 23 - 36	.059	9 - 13 - 21	19	46	35	36	23	-	-	
	500	736	.046	23 - 35 - 50	.064	18 - 27 - 39	.081	10 - 16 - 22	24	50	39	41	29	16	-	
	575	847	.061	27 - 38 - 53	.084	21 - 29 - 41	.107	12 - 17 - 24	28	54	43	44	34	23	17	
	650	957	.078	30 - 40 - 57	.108	23 - 31 - 44	.137	13 - 18 - 26	31	56	47	48	39	29	24	
	725	1068	.098	33 - 42 - 60	.134	26 - 33 - 47	.171	15 - 19 - 27	35	59	50	51	43	35	29	
800	1178	.119	36 - 45 - 63	.163	28 - 35 - 49	.208	16 - 20 - 28	38	61	52	53	47	39	34		
30" x 12"	150	343	.004	4 - 9 - 26	.006	3 - 7 - 20	.007	2 - 4 - 12	-	24	-	-	-	-	-	
	275	628	.014	14 - 24 - 46	.019	10 - 18 - 36	.025	6 - 11 - 21	-	38	25	26	-	-	-	
	350	800	.023	20 - 30 - 52	.031	16 - 23 - 40	.040	9 - 14 - 23	15	44	32	33	17	-	-	
	425	971	.034	24 - 37 - 57	.046	19 - 28 - 44	.059	11 - 16 - 26	21	48	37	38	25	-	-	
	500	1143	.046	29 - 43 - 62	.064	22 - 33 - 48	.081	13 - 19 - 28	25	52	41	42	31	18	12	
	575	1314	.061	33 - 47 - 67	.084	26 - 37 - 52	.107	15 - 21 - 30	30	55	45	46	36	25	19	
	650	1485	.078	37 - 50 - 71	.108	29 - 39 - 55	.137	17 - 23 - 32	33	58	49	49	41	31	25	
	725	1657	.098	42 - 53 - 75	.134	32 - 41 - 58	.171	19 - 24 - 34	37	61	52	52	45	36	31	
800	1828	.119	45 - 56 - 79	.163	35 - 43 - 61	.208	20 - 25 - 35	39	63	54	55	48	41	36		
36" x 3"	200	110	.007	4 - 8 - 17	.010	3 - 6 - 13	.013	2 - 4 - 8	-	25	-	12	-	-	-	
	300	165	.017	8 - 13 - 24	.023	6 - 10 - 18	.029	4 - 6 - 11	-	34	21	23	-	-	-	
	400	220	.030	11 - 17 - 27	.041	9 - 13 - 21	.052	5 - 8 - 12	13	41	29	30	16	-	-	
	500	275	.046	14 - 21 - 31	.064	11 - 16 - 24	.081	6 - 10 - 14	19	46	35	36	25	12	-	
	600	330	.067	17 - 24 - 33	.092	13 - 18 - 26	.117	8 - 11 - 15	25	50	40	41	32	21	15	
	700	386	.091	20 - 26 - 36	.125	15 - 20 - 28	.159	9 - 11 - 16	30	54	45	45	37	29	23	
	800	441	.119	22 - 27 - 39	.163	17 - 21 - 30	.208	10 - 12 - 17	34	57	48	49	42	35	30	
	900	496	.150	24 - 29 - 41	.207	18 - 22 - 32	.263	11 - 13 - 18	37	60	51	52	47	41	36	
1000	551	.186	25 - 31 - 43	.255	19 - 24 - 33	.325	11 - 14 - 19	40	62	54	55	51	46	41		
36" x 4"	200	159	.007	4 - 10 - 20	.010	3 - 7 - 16	.013	2 - 4 - 9	-	26	12	13	-	-	-	
	300	239	.017	10 - 15 - 28	.023	7 - 12 - 22	.029	4 - 7 - 13	-	36	23	24	-	-	-	
	400	318	.030	14 - 20 - 33	.041	11 - 16 - 25	.052	6 - 9 - 15	14	42	31	32	18	-	-	
	500	398	.046	17 - 25 - 37	.064	13 - 20 - 28	.081	8 - 11 - 17	21	48	37	38	26	14	-	
	600	477	.067	20 - 28 - 40	.092	16 - 22 - 31	.117	9 - 13 - 18	26	52	42	43	33	23	17	
	700	557	.091	24 - 31 - 43	.125	18 - 24 - 34	.159	11 - 14 - 20	31	55	46	47	39	30	25	
	800	636	.119	27 - 33 - 46	.163	21 - 25 - 36	.208	12 - 15 - 21	35	59	50	51	44	37	32	
	900	716	.150	28 - 35 - 49	.207	22 - 27 - 38	.263	13 - 16 - 22	39	61	53	54	48	43	38	
1000	796	.186	30 - 37 - 52	.255	23 - 28 - 40	.325	13 - 17 - 23	42	64	56	57	52	48	43		

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10<sup>-12</sup> Watts. Dash in space denotes a NC or dB value of less than 10. Nominal duct is duct width. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection program for performance data not shown, including octave band data.

5DMGSR, 5DMGSU, 5DMGDR, 5DMGDU Performance Data

ENTRAINED JET AIRFLOW IP DATA: 5DMGSR, 5DMGSU, 5DMGDR, 5DMGDU (NO DAMPER)

Nom Duct in	Neck Vel FPM	Air Flow CFM	0°		22.5°		45°		NC	Octave Band, dB						
			Pt "WG	Throw ft	Pt "WG	Throw ft	Pt "WG	Throw ft		2	3	4	5	6	7	
36" x 8"	150	266	.004	4 - 8 - 23	.006	3 - 6 - 18	.007	2 - 4 - 10	-	23	-	-	-	-	-	-
	275	488	.014	12 - 21 - 41	.019	9 - 16 - 31	.025	5 - 9 - 18	-	37	24	25	-	-	-	-
	350	621	.023	18 - 27 - 46	.031	14 - 21 - 36	.040	8 - 12 - 21	<b>14</b>	43	30	32	16	-	-	-
	425	754	.034	22 - 32 - 50	.046	17 - 25 - 39	.059	10 - 15 - 23	<b>20</b>	47	36	37	23	-	-	-
	500	887	.046	25 - 38 - 55	.064	20 - 29 - 42	.081	11 - 17 - 25	<b>24</b>	51	40	41	30	17	11	-
	575	1020	.061	29 - 42 - 59	.084	23 - 32 - 46	.107	13 - 19 - 26	<b>29</b>	54	44	45	35	24	18	-
	650	1154	.078	33 - 44 - 62	.108	25 - 34 - 48	.137	15 - 20 - 28	<b>32</b>	57	47	48	39	30	24	-
	725	1287	.098	37 - 47 - 66	.134	28 - 36 - 51	.171	17 - 21 - 30	<b>35</b>	60	50	51	44	35	30	-
800	1420	.119	40 - 49 - 69	.163	31 - 38 - 54	.208	18 - 22 - 31	<b>38</b>	62	53	54	47	40	35	-	
36" x 12"	150	413	.004	4 - 10 - 28	.006	3 - 8 - 22	.007	2 - 4 - 13	-	25	-	11	-	-	-	-
	275	757	.014	15 - 26 - 51	.019	12 - 20 - 39	.025	7 - 12 - 23	-	39	26	27	-	-	-	-
	350	964	.023	22 - 33 - 57	.031	17 - 26 - 44	.040	10 - 15 - 26	<b>16</b>	45	32	34	18	-	-	-
	425	1170	.034	27 - 40 - 63	.046	21 - 31 - 49	.059	12 - 18 - 28	<b>21</b>	49	38	39	25	11	-	-
	500	1377	.046	32 - 47 - 68	.064	24 - 37 - 53	.081	14 - 21 - 31	<b>26</b>	53	42	43	31	19	13	-
	575	1583	.061	36 - 52 - 73	.084	28 - 40 - 57	.107	16 - 23 - 33	<b>30</b>	56	46	47	37	26	20	-
	650	1790	.078	41 - 55 - 78	.108	32 - 43 - 60	.137	18 - 25 - 35	<b>34</b>	59	49	50	41	32	26	-
	725	1997	.098	46 - 58 - 82	.134	35 - 45 - 64	.171	21 - 26 - 37	<b>37</b>	62	52	53	45	37	32	-
800	2203	.119	50 - 61 - 86	.163	39 - 47 - 67	.208	22 - 27 - 39	<b>40</b>	64	55	56	49	42	37	-	
48" x 3"	100	74	.002	1 - 2 - 9	.003	1 - 2 - 7	.003	0 - 1 - 4	-	-	-	-	-	-	-	-
	200	148	.007	4 - 9 - 20	.010	3 - 7 - 15	.013	2 - 4 - 9	-	26	11	13	-	-	-	-
	300	221	.017	9 - 15 - 27	.023	7 - 11 - 21	.029	4 - 7 - 12	-	35	23	24	-	-	-	-
	400	295	.030	13 - 20 - 32	.041	10 - 15 - 24	.052	6 - 9 - 14	<b>14</b>	42	30	32	17	-	-	-
	500	369	.046	16 - 24 - 35	.064	13 - 19 - 27	.081	7 - 11 - 16	<b>21</b>	47	37	38	26	13	-	-
	600	443	.067	20 - 27 - 39	.092	15 - 21 - 30	.117	9 - 12 - 17	<b>26</b>	52	42	43	33	22	17	-
	700	517	.091	23 - 30 - 42	.125	18 - 23 - 32	.159	10 - 13 - 19	<b>31</b>	55	46	47	39	30	24	-
	800	591	.119	26 - 32 - 45	.163	20 - 24 - 35	.208	12 - 14 - 20	<b>35</b>	58	49	50	44	36	31	-
900	664	.150	27 - 34 - 47	.207	21 - 26 - 37	.263	12 - 15 - 21	<b>38</b>	61	53	53	48	42	37	-	
48" x 4"	100	107	.002	1 - 3 - 11	.003	1 - 2 - 9	.003	1 - 1 - 5	-	11	-	-	-	-	-	-
	200	213	.007	5 - 11 - 24	.010	4 - 9 - 18	.013	2 - 5 - 11	-	28	13	14	-	-	-	-
	300	320	.017	11 - 18 - 33	.023	9 - 14 - 25	.029	5 - 8 - 15	-	37	24	25	-	-	-	-
	400	427	.030	16 - 24 - 38	.041	12 - 18 - 29	.052	7 - 11 - 17	<b>16</b>	44	32	33	19	-	-	-
	500	533	.046	20 - 29 - 42	.064	15 - 23 - 33	.081	9 - 13 - 19	<b>22</b>	49	38	39	27	15	-	-
	600	640	.067	24 - 33 - 47	.092	18 - 25 - 36	.117	11 - 15 - 21	<b>28</b>	53	43	44	34	24	18	-
	700	746	.091	27 - 36 - 50	.125	21 - 28 - 39	.159	12 - 16 - 23	<b>32</b>	57	47	48	40	31	26	-
	800	853	.119	31 - 38 - 54	.163	24 - 29 - 42	.208	14 - 17 - 24	<b>36</b>	60	51	52	45	38	33	-
900	960	.150	33 - 40 - 57	.207	25 - 31 - 44	.263	15 - 18 - 26	<b>40</b>	63	54	55	50	44	39	-	
48" x 8"	150	357	.004	4 - 9 - 26	.006	3 - 7 - 20	.007	2 - 4 - 12	-	24	-	-	-	-	-	-
	275	654	.014	14 - 24 - 47	.019	11 - 19 - 36	.025	6 - 11 - 21	-	38	25	26	-	-	-	-
	350	833	.023	21 - 31 - 53	.031	16 - 24 - 41	.040	9 - 14 - 24	<b>15</b>	44	32	33	17	-	-	-
	425	1011	.034	25 - 37 - 58	.046	19 - 29 - 45	.059	11 - 17 - 26	<b>21</b>	48	37	38	25	-	-	-
	500	1189	.046	29 - 44 - 63	.064	23 - 34 - 49	.081	13 - 20 - 29	<b>26</b>	52	42	43	31	18	12	-
	575	1368	.061	34 - 48 - 68	.084	26 - 37 - 53	.107	15 - 22 - 31	<b>30</b>	56	45	46	36	25	19	-
	650	1546	.078	38 - 51 - 72	.108	30 - 40 - 56	.137	17 - 23 - 33	<b>33</b>	58	49	50	41	31	25	-
	725	1725	.098	42 - 54 - 76	.134	33 - 42 - 59	.171	19 - 24 - 34	<b>37</b>	61	52	53	45	37	31	-
800	1903	.119	46 - 57 - 80	.163	36 - 44 - 62	.208	21 - 26 - 36	<b>40</b>	63	54	55	49	41	36	-	
48" x 12"	150	554	.004	5 - 12 - 33	.006	4 - 9 - 25	.007	2 - 5 - 15	-	26	-	12	-	-	-	-
	275	1015	.014	17 - 30 - 59	.019	13 - 23 - 45	.025	8 - 14 - 26	-	40	27	28	-	-	-	-
	350	1292	.023	26 - 38 - 66	.031	20 - 30 - 51	.040	11 - 17 - 30	<b>17</b>	46	34	35	19	-	-	-
	425	1569	.034	31 - 47 - 73	.046	24 - 36 - 56	.059	14 - 21 - 33	<b>23</b>	50	39	40	27	12	-	-
	500	1846	.046	36 - 55 - 79	.064	28 - 42 - 61	.081	16 - 25 - 36	<b>27</b>	54	43	44	33	20	14	-
	575	2123	.061	42 - 60 - 85	.084	33 - 46 - 66	.107	19 - 27 - 38	<b>32</b>	57	47	48	38	27	21	-
	650	2399	.078	47 - 64 - 90	.108	37 - 49 - 70	.137	21 - 29 - 41	<b>35</b>	60	51	52	43	33	27	-
	725	2676	.098	53 - 67 - 95	.134	41 - 52 - 74	.171	24 - 30 - 43	<b>39</b>	63	54	54	47	38	33	-
800	2953	.119	58 - 71 - 100	.163	45 - 55 - 77	.208	26 - 32 - 45	<b>41</b>	65	56	57	50	43	38	-	

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10<sup>-12</sup> Watts. Dash in space denotes a NC or dB value of less than 10. Nominal duct is duct width. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection program for performance data not shown, including octave band data.

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