

5DMGSR, 5DMGSU, 5DMGDR, 5DMGDU Performance Data
ENTRAINED JET AIRFLOW METRIC 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	
			Pa	m	Pa	m	Pa	m								
254 x 76	1.52	20	4.2	1.2-2.0-3.7	5.7	1.0-1.5-2.9	7.3	0.6-0.9-1.7	-	29	16	17	-	-	-	
	2.03	27	7.4	1.8-2.6-4.2	10.2	1.4-2.0-3.3	12.9	0.8-1.2-1.9	-	35	24	25	11	-	-	
	2.54	34	11.6	2.2-3.3-4.8	15.9	1.7-2.6-3.7	20.2	1.0-1.5-2.1	14	40	30	31	19	-	-	
	3.05	41	16.7	2.6-3.7-5.2	22.9	2.0-2.9-4.0	29.1	1.2-1.7-2.3	19	45	35	36	26	15	-	
	3.56	48	22.7	3.1-4.0-5.6	31.2	2.4-3.1-4.4	39.6	1.4-1.8-2.5	24	48	39	40	32	23	18	
	4.06	55	29.6	3.5-4.2-6.0	40.7	2.7-3.3-4.7	51.8	1.6-1.9-2.7	28	51	43	43	37	30	25	
	5.08	68	46.2	3.9-4.8-6.7	63.6	3.0-3.7-5.2	80.9	1.7-2.1-3.0	35	57	49	49	45	41	36	
	5.59	75	56.0	4.1-5.0-7.0	76.9	3.2-3.9-5.5	97.9	1.8-2.2-3.2	37	59	51	52	49	45	41	
6.10	82	66.6	4.2-5.2-7.4	91.6	3.3-4.0-5.7	116.5	1.9-2.3-3.3	40	61	54	54	52	50	45		
254 x 102	1.52	30	4.2	1.5-2.4-4.4	5.7	1.1-1.8-3.4	7.3	0.7-1.1-2.0	-	30	17	19	-	-	-	
	2.03	39	7.4	2.1-3.2-5.1	10.2	1.6-2.5-4.0	12.9	0.9-1.4-2.3	-	37	25	26	12	-	-	
	2.54	49	11.6	2.6-4.0-5.7	15.9	2.0-3.1-4.4	20.2	1.2-1.8-2.6	15	42	31	32	21	-	-	
	3.05	59	16.7	3.2-4.4-6.3	22.9	2.5-3.4-4.8	29.1	1.4-2.0-2.8	21	46	36	37	27	17	11	
	3.56	69	22.7	3.7-4.8-6.8	31.2	2.9-3.7-5.2	39.6	1.7-2.1-3.0	25	50	40	41	33	25	19	
	4.06	79	29.6	4.2-5.1-7.2	40.7	3.2-4.0-5.6	51.8	1.9-2.3-3.3	29	53	44	45	38	31	26	
	5.08	99	46.2	4.7-5.7-8.1	63.6	3.6-4.4-6.3	80.9	2.1-2.6-3.6	36	58	50	51	47	42	37	
	5.59	108	56.0	4.9-6.0-8.5	76.9	3.8-4.6-6.6	97.9	2.2-2.7-3.8	39	60	53	54	50	47	42	
6.10	118	66.6	5.1-6.3-8.8	91.6	4.0-4.8-6.9	116.5	2.3-2.8-4.0	42	62	55	56	54	51	47		
254 x 152	1.52	48	4.2	1.9-3.0-5.6	5.7	1.5-2.3-4.4	7.3	0.8-1.4-2.5	-	32	19	21	-	-	-	
	2.03	64	7.4	2.7-4.0-6.5	10.2	2.1-3.1-5.0	12.9	1.2-1.8-2.9	11	39	27	28	14	-	-	
	2.54	80	11.6	3.4-5.0-7.3	15.9	2.6-3.9-5.6	20.2	1.5-2.3-3.3	17	44	33	34	23	-	-	
	3.05	95	16.7	4.0-5.6-8.0	22.9	3.1-4.4-6.2	29.1	1.8-2.5-3.6	23	48	38	39	29	19	13	
	3.56	111	22.7	4.7-6.1-8.6	31.2	3.6-4.7-6.7	39.6	2.1-2.7-3.9	27	52	42	43	35	27	21	
	4.06	127	29.6	5.3-6.5-9.2	40.7	4.1-5.0-7.1	51.8	2.4-2.9-4.1	31	55	46	47	40	33	28	
	4.57	143	37.5	5.6-6.9-9.7	51.5	4.4-5.3-7.5	65.5	2.5-3.1-4.4	35	58	49	50	45	39	34	
	5.08	159	46.2	5.9-7.3-10.3	63.6	4.6-5.6-8.0	80.9	2.7-3.3-4.6	38	60	52	53	49	44	39	
5.59	175	56.0	6.2-7.6-10.8	76.9	4.8-5.9-8.3	97.9	2.8-3.4-4.8	41	62	55	56	52	49	44		
305 x 102	1.02	24	1.9	0.7-1.6-3.5	2.5	0.6-1.3-2.7	3.2	0.3-0.7-1.6	-	21	-	-	-	-	-	
	1.52	36	4.2	1.6-2.6-4.9	5.7	1.3-2.0-3.8	7.3	0.7-1.2-2.2	-	31	18	19	-	-	-	
	2.03	48	7.4	2.3-3.5-5.6	10.2	1.8-2.7-4.4	12.9	1.0-1.6-2.5	-	38	26	27	13	-	-	
	2.54	60	11.6	2.9-4.4-6.3	15.9	2.3-3.4-4.9	20.2	1.3-2.0-2.8	16	43	32	33	21	-	-	
	3.05	72	16.7	3.5-4.9-6.9	22.9	2.7-3.8-5.3	29.1	1.6-2.2-3.1	22	47	37	38	28	18	12	
	3.56	84	22.7	4.1-5.3-7.5	31.2	3.2-4.1-5.8	39.6	1.8-2.4-3.4	26	51	41	42	34	25	20	
	4.06	96	29.6	4.6-5.6-8.0	40.7	3.6-4.4-6.2	51.8	2.1-2.5-3.6	30	54	45	46	39	32	27	
	4.57	108	37.5	4.9-6.0-8.4	51.5	3.8-4.6-6.5	65.5	2.2-2.7-3.8	34	57	48	49	44	38	33	
5.08	120	46.2	5.1-6.3-8.9	63.6	4.0-4.9-6.9	80.9	2.3-2.8-4.0	37	59	51	52	48	43	38		
356 x 76	1.52	29	4.2	1.5-2.4-4.4	5.7	1.1-1.8-3.4	7.3	0.7-1.1-2.0	-	30	17	18	-	-	-	
	2.03	39	7.4	2.1-3.2-5.1	10.2	1.6-2.4-3.9	12.9	0.9-1.4-2.3	-	37	25	26	12	-	-	
	2.54	49	11.6	2.6-3.9-5.7	15.9	2.0-3.1-4.4	20.2	1.2-1.8-2.6	15	42	31	32	21	-	-	
	3.05	59	16.7	3.2-4.4-6.2	22.9	2.4-3.4-4.8	29.1	1.4-2.0-2.8	21	46	36	37	27	17	11	
	3.56	68	22.7	3.7-4.8-6.7	31.2	2.9-3.7-5.2	39.6	1.7-2.1-3.0	25	50	40	41	33	24	19	
	4.06	78	29.6	4.2-5.1-7.2	40.7	3.2-3.9-5.6	51.8	1.9-2.3-3.2	29	53	44	45	38	31	26	
	4.57	88	37.5	4.4-5.4-7.6	51.5	3.4-4.2-5.9	65.5	2.0-2.4-3.4	33	56	47	48	43	37	32	
	5.08	98	46.2	4.6-5.7-8.0	63.6	3.6-4.4-6.2	80.9	2.1-2.6-3.6	36	58	50	51	47	42	37	
5.59	107	56.0	4.9-6.0-8.4	76.9	3.8-4.6-6.5	97.9	2.2-2.7-3.8	39	60	53	54	50	47	42		
356 x 102	1.52	42	4.2	1.8-2.8-5.3	5.7	1.4-2.2-4.1	7.3	0.8-1.3-2.4	-	32	19	20	-	-	-	
	2.03	56	7.4	2.5-3.8-6.1	10.2	2.0-2.9-4.7	12.9	1.1-1.7-2.8	-	38	27	28	14	-	-	
	2.54	71	11.6	3.2-4.7-6.8	15.9	2.4-3.7-5.3	20.2	1.4-2.1-3.1	17	44	33	34	22	-	-	
	3.05	85	16.7	3.8-5.3-7.5	22.9	2.9-4.1-5.8	29.1	1.7-2.4-3.4	22	48	38	39	29	18	13	
	3.56	99	22.7	4.4-5.7-8.1	31.2	3.4-4.4-6.3	39.6	2.0-2.6-3.6	27	51	42	43	35	26	21	
	4.06	113	29.6	5.0-6.1-8.6	40.7	3.9-4.7-6.7	51.8	2.2-2.8-3.9	31	54	46	46	40	33	28	
	4.57	127	37.5	5.3-6.5-9.2	51.5	4.1-5.0-7.1	65.5	2.4-2.9-4.1	34	57	49	50	44	38	34	
	5.08	141	46.2	5.6-6.8-9.7	63.6	4.3-5.3-7.5	80.9	2.5-3.1-4.3	38	60	52	53	48	44	39	
5.59	155	56.0	5.9-7.2-10.1	76.9	4.5-5.6-7.9	97.9	2.6-3.2-4.6	40	62	54	55	52	48	44		

NOTES: Throw values are given for isothermal conditions and terminal velocities of 0.75, 0.50, and 0.25 m/s. NC values are based on octave band 2-7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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 METRIC 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	
			mm	m/s	L/s	Pa	m	Pa		m	Pa	m				
914 x 203	0.76	126	1.0	1.1 - 2.4 - 6.9	1.4	0.8 - 1.9 - 5.4	1.8	0.5 - 1.1 - 3.1	-	23	-	-	-	-	-	
	1.40	230	3.5	3.6 - 6.3 - 12.3	4.8	2.8 - 4.9 - 9.6	6.1	1.6 - 2.9 - 5.6	-	37	24	25	-	-	-	
	1.78	293	5.7	5.4 - 8.1 - 13.9	7.8	4.2 - 6.3 - 10.8	9.9	2.4 - 3.6 - 6.3	14	43	30	32	16	-	-	
	2.16	356	8.4	6.5 - 9.8 - 15.3	11.5	5.1 - 7.6 - 11.9	14.6	2.9 - 4.4 - 6.9	20	47	36	37	23	-	-	
	2.54	419	11.6	7.7 - 11.5 - 16.6	15.9	6.0 - 8.9 - 12.9	20.2	3.5 - 5.2 - 7.5	24	51	40	41	30	17	11	
	2.92	482	15.3	8.8 - 12.6 - 17.9	21.0	6.9 - 9.8 - 13.8	26.8	4.0 - 5.7 - 8.0	29	54	44	45	35	24	18	
	3.30	544	19.5	10.0 - 13.4 - 19.0	26.9	7.7 - 10.4 - 14.7	34.2	4.5 - 6.0 - 8.5	32	57	47	48	39	30	24	
	3.68	607	24.3	11.2 - 14.2 - 20.0	33.4	8.6 - 11.0 - 15.5	42.5	5.0 - 6.4 - 9.0	35	60	50	51	44	35	30	
4.06	670	29.6	12.2 - 14.9 - 21.1	40.7	9.4 - 11.5 - 16.3	51.8	5.5 - 6.7 - 9.5	38	62	53	54	47	40	35		
914 x 305	0.76	195	1.0	1.3 - 3.0 - 8.6	1.4	1.0 - 2.3 - 6.7	1.8	0.6 - 1.4 - 3.9	-	25	-	11	-	-	-	
	1.40	357	3.5	4.5 - 7.9 - 15.4	4.8	3.5 - 6.1 - 11.9	6.1	2.0 - 3.6 - 6.9	-	39	26	27	-	-	-	
	1.78	455	5.7	6.7 - 10.1 - 17.4	7.8	5.2 - 7.8 - 13.4	9.9	3.0 - 4.5 - 7.8	16	45	32	34	18	-	-	
	2.16	552	8.4	8.1 - 12.2 - 19.1	11.5	6.3 - 9.5 - 14.8	14.6	3.7 - 5.5 - 8.6	21	49	38	39	25	11	-	
	2.54	650	11.6	9.6 - 14.4 - 20.7	15.9	7.4 - 11.1 - 16.1	20.2	4.3 - 6.5 - 9.3	26	53	42	43	31	19	13	
	2.92	747	15.3	11.0 - 15.7 - 22.2	21.0	8.5 - 12.2 - 17.2	26.8	5.0 - 7.1 - 10.0	30	56	46	47	37	26	20	
	3.30	845	19.5	12.5 - 16.7 - 23.6	26.9	9.7 - 13.0 - 18.3	34.2	5.6 - 7.5 - 10.6	34	59	49	50	41	32	26	
	3.68	942	24.3	13.9 - 17.7 - 25.0	33.4	10.8 - 13.7 - 19.4	42.5	6.3 - 7.9 - 11.2	37	62	52	53	45	37	32	
4.06	1040	29.6	15.1 - 18.5 - 26.2	40.7	11.7 - 14.4 - 20.3	51.8	6.8 - 8.3 - 11.8	40	64	55	56	49	42	37		
1219 x 76	0.51	35	0.5	0.3 - 0.7 - 2.8	0.6	0.2 - 0.5 - 2.2	0.8	0.1 - 0.3 - 1.3	-	-	-	-	-	-	-	
	1.02	70	1.9	1.2 - 2.8 - 6.0	2.5	1.0 - 2.2 - 4.6	3.2	0.6 - 1.3 - 2.7	-	26	11	13	-	-	-	
	1.52	105	4.2	2.8 - 4.5 - 8.3	5.7	2.2 - 3.5 - 6.4	7.3	1.3 - 2.0 - 3.7	-	35	23	24	-	-	-	
	2.03	139	7.4	4.0 - 6.0 - 9.6	10.2	3.1 - 4.6 - 7.4	12.9	1.8 - 2.7 - 4.3	14	42	30	32	17	-	-	
	2.54	174	11.6	5.0 - 7.4 - 10.7	15.9	3.8 - 5.8 - 8.3	20.2	2.2 - 3.3 - 4.8	21	47	37	38	26	13	-	
	3.05	209	16.7	6.0 - 8.3 - 11.8	22.9	4.6 - 6.4 - 9.1	29.1	2.7 - 3.7 - 5.3	26	52	42	43	33	22	17	
	3.56	244	22.7	6.9 - 9.0 - 12.7	31.2	5.4 - 7.0 - 9.8	39.6	3.1 - 4.0 - 5.7	31	55	46	47	39	30	24	
	4.06	279	29.6	7.8 - 9.6 - 13.6	40.7	6.1 - 7.4 - 10.5	51.8	3.5 - 4.3 - 6.1	35	58	49	50	44	36	31	
4.57	314	37.5	8.3 - 10.2 - 14.4	51.5	6.4 - 7.9 - 11.2	65.5	3.7 - 4.6 - 6.5	38	61	53	53	48	42	37		
1219 x 102	0.51	50	0.5	0.4 - 0.8 - 3.3	0.6	0.3 - 0.6 - 2.6	0.8	0.2 - 0.4 - 1.5	-	11	-	-	-	-	-	
	1.02	101	1.9	1.5 - 3.3 - 7.2	2.5	1.2 - 2.6 - 5.5	3.2	0.7 - 1.5 - 3.2	-	28	13	14	-	-	-	
	1.52	151	4.2	3.3 - 5.4 - 10.0	5.7	2.6 - 4.2 - 7.7	7.3	1.5 - 2.4 - 4.5	-	37	24	25	-	-	-	
	2.03	201	7.4	4.8 - 7.2 - 11.5	10.2	3.7 - 5.5 - 8.9	12.9	2.1 - 3.2 - 5.2	16	44	32	33	19	-	-	
	2.54	252	11.6	6.0 - 8.9 - 12.9	15.9	4.6 - 6.9 - 10.0	20.2	2.7 - 4.0 - 5.8	22	49	38	39	27	15	-	
	3.05	302	16.7	7.2 - 10.0 - 14.1	22.9	5.5 - 7.7 - 11.0	29.1	3.2 - 4.5 - 6.4	28	53	43	44	34	24	18	
	3.56	352	22.7	8.3 - 10.8 - 15.3	31.2	6.5 - 8.4 - 11.8	39.6	3.8 - 4.9 - 6.9	32	57	47	48	40	31	26	
	4.06	403	29.6	9.4 - 11.5 - 16.3	40.7	7.3 - 8.9 - 12.7	51.8	4.2 - 5.2 - 7.3	36	60	51	52	45	38	33	
4.57	453	37.5	10.0 - 12.2 - 17.3	51.5	7.7 - 9.5 - 13.4	65.5	4.5 - 5.5 - 7.8	40	63	54	55	50	44	39		
1219 x 203	0.76	168	1.0	1.2 - 2.8 - 8.0	1.4	1.0 - 2.2 - 6.2	1.8	0.6 - 1.3 - 3.6	-	24	-	-	-	-	-	
	1.40	309	3.5	4.2 - 7.3 - 14.3	4.8	3.3 - 5.7 - 11.1	6.1	1.9 - 3.3 - 6.4	-	38	25	26	-	-	-	
	1.78	393	5.7	6.2 - 9.4 - 16.1	7.8	4.8 - 7.2 - 12.5	9.9	2.8 - 4.2 - 7.3	15	44	32	33	17	-	-	
	2.16	477	8.4	7.6 - 11.4 - 17.8	11.5	5.9 - 8.8 - 13.8	14.6	3.4 - 5.1 - 8.0	21	48	37	38	25	-	-	
	2.54	561	11.6	8.9 - 13.4 - 19.3	15.9	6.9 - 10.4 - 14.9	20.2	4.0 - 6.0 - 8.7	26	52	42	43	31	18	12	
	2.92	646	15.3	10.2 - 14.6 - 20.7	21.0	7.9 - 11.3 - 16.0	26.8	4.6 - 6.6 - 9.3	30	56	45	46	36	25	19	
	3.30	730	19.5	11.6 - 15.5 - 22.0	26.9	9.0 - 12.0 - 17.0	34.2	5.2 - 7.0 - 9.9	33	58	49	50	41	31	25	
	3.68	814	24.3	12.9 - 16.4 - 23.2	33.4	10.0 - 12.7 - 18.0	42.5	5.8 - 7.4 - 10.4	37	61	52	53	45	37	31	
4.06	898	29.6	14.1 - 17.2 - 24.4	40.7	10.9 - 13.4 - 18.9	51.8	6.3 - 7.8 - 11.0	40	63	54	55	49	41	36		

NOTES: Throw values are given for isothermal conditions and terminal velocities of 0.75, 0.50, and 0.25 m/s. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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