

51350 Performance Data: Horizontal Throw

IP/METRIC DATA: 51350 (NO DAMPER)

IP Data						NC	Metric Data					
Nom Duct	Duct Area	Neck Vel	Air Flow	Pt	Throw		Nom Duct	Duct Area	Neck Vel	Air Flow	Pt	Throw
in	ft²	FPM	CFM	"WG	ft		mm	m²	m/s	L/s	Pa	m
6" x 4"	0.17	200	33	.036	4 - 7 - 11	-	152 x 102	0.02	1.02	16	8.9	1.3 - 2.0 - 3.2
		300	50	.080	7 - 9 - 13	11			1.52	24	19.9	2.0 - 2.8 - 4.0
		400	67	.142	9 - 11 - 15	19			2.03	31	35.4	2.6 - 3.2 - 4.6
		450	75	.180	9 - 11 - 16	22			2.29	35	44.8	2.8 - 3.4 - 4.8
		500	83	.222	10 - 12 - 17	25			2.54	39	55.3	2.9 - 3.6 - 5.1
		600	100	.320	11 - 13 - 18	30			3.05	47	79.7	3.2 - 4.0 - 5.6
		700	117	.436	11 - 14 - 20	34			3.56	55	108.4	3.5 - 4.3 - 6.0
		800	133	.569	12 - 15 - 21	38			4.06	63	141.6	3.7 - 4.6 - 6.5
		900	150	.720	13 - 16 - 23	41			4.57	71	179.3	4.0 - 4.8 - 6.8
6" x 6"	0.25	100	25	.008	1 - 3 - 8	-	152 x 152	0.02	0.51	12	1.9	0.3 - 0.8 - 2.4
		200	50	.031	5 - 8 - 13	-			1.02	24	7.6	1.4 - 2.4 - 4.0
		250	63	.048	7 - 10 - 15	-			1.27	29	11.9	2.0 - 3.0 - 4.4
		300	75	.069	8 - 11 - 16	-			1.52	35	17.2	2.4 - 3.4 - 4.8
		400	100	.123	10 - 13 - 18	18			2.03	47	30.5	3.2 - 4.0 - 5.6
		500	125	.192	12 - 15 - 21	25			2.54	59	47.7	3.6 - 4.4 - 6.2
		600	150	.276	13 - 16 - 23	30			3.05	71	68.7	4.0 - 4.8 - 6.8
		700	175	.376	14 - 17 - 24	34			3.56	83	93.5	4.3 - 5.2 - 7.4
		900	225	.621	16 - 20 - 28	41			4.57	106	154.6	4.8 - 5.9 - 8.4
8" x 6"	0.33	100	33	.007	1 - 3 - 9	-	203 x 152	0.03	0.51	16	1.8	0.4 - 0.9 - 2.7
		200	67	.029	5 - 9 - 15	-			1.02	31	7.1	1.5 - 2.7 - 4.6
		250	83	.045	7 - 11 - 17	-			1.27	39	11.1	2.2 - 3.4 - 5.1
		300	100	.064	9 - 13 - 18	11			1.52	47	16.0	2.7 - 4.0 - 5.6
		400	133	.114	12 - 15 - 21	19			2.03	63	28.5	3.6 - 4.6 - 6.5
		500	167	.179	14 - 17 - 24	25			2.54	79	44.5	4.2 - 5.1 - 7.2
		600	200	.257	15 - 18 - 26	30			3.05	94	64.0	4.6 - 5.6 - 7.9
		700	233	.350	16 - 20 - 28	34			3.56	110	87.2	4.9 - 6.0 - 8.5
		800	267	.457	17 - 21 - 30	38			4.06	126	113.9	5.3 - 6.5 - 9.1
8" x 8"	0.44	100	44	.007	1 - 3 - 10	-	203 x 203	0.04	0.51	21	1.7	0.4 - 0.9 - 3.1
		200	89	.027	6 - 10 - 17	-			1.02	42	6.6	1.7 - 3.1 - 5.3
		250	111	.042	8 - 13 - 19	-			1.27	52	10.4	2.5 - 3.8 - 5.9
		300	133	.060	10 - 15 - 21	11			1.52	63	14.9	3.1 - 4.6 - 6.5
		400	178	.107	13 - 17 - 25	19			2.03	84	26.5	4.1 - 5.3 - 7.5
		500	222	.167	16 - 19 - 27	25			2.54	105	41.5	4.8 - 5.9 - 8.3
		600	267	.240	17 - 21 - 30	30			3.05	126	59.7	5.3 - 6.5 - 9.1
		700	311	.326	19 - 23 - 32	35			3.56	147	81.3	5.7 - 7.0 - 9.9
		800	356	.426	20 - 25 - 35	38			4.06	168	106.1	6.1 - 7.5 - 10.5
8" x 10"	0.56	100	56	.006	1 - 3 - 11	-	203 x 254	0.05	0.51	26	1.6	0.5 - 1.0 - 3.4
		200	111	.026	6 - 11 - 19	-			1.02	52	6.4	1.8 - 3.4 - 5.9
		300	167	.058	11 - 17 - 24	11			1.52	79	14.3	3.4 - 5.1 - 7.2
		400	222	.102	15 - 19 - 27	19			2.03	105	25.5	4.5 - 5.9 - 8.3
		500	278	.160	18 - 22 - 31	26			2.54	131	39.8	5.4 - 6.6 - 9.3
		600	333	.230	19 - 24 - 34	31			3.05	157	57.3	5.9 - 7.2 - 10.2
		700	389	.313	21 - 26 - 36	35			3.56	184	78.0	6.4 - 7.8 - 11.0
		800	444	.409	22 - 27 - 39	39			4.06	210	101.9	6.8 - 8.3 - 11.8
		900	500	.518	24 - 29 - 41	42			4.57	236	128.9	7.2 - 8.8 - 12.5
10" x 10"	0.69	100	69	.006	2 - 4 - 12	-	254 x 254	0.06	0.51	33	1.5	0.5 - 1.1 - 3.7
		200	139	.025	6 - 12 - 22	-			1.02	66	6.1	2.0 - 3.7 - 6.6
		300	208	.055	12 - 18 - 27	12			1.52	98	13.8	3.7 - 5.6 - 8.1
		350	243	.075	14 - 20 - 29	16			1.78	115	18.7	4.4 - 6.2 - 8.7
		400	278	.098	16 - 22 - 31	20			2.03	131	24.4	5.0 - 6.6 - 9.3
		500	347	.153	20 - 24 - 34	26			2.54	164	38.2	6.0 - 7.4 - 10.4
		600	417	.221	22 - 27 - 38	31			3.05	197	55.0	6.6 - 8.1 - 11.4
		700	486	.301	23 - 29 - 41	35			3.56	229	74.9	7.1 - 8.7 - 12.3
		800	556	.393	25 - 31 - 43	39			4.06	262	97.8	7.6 - 9.3 - 13.2

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (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 value of less than 10. 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.

51350 Performance Data: Horizontal Throw

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IP Data							Metric Data						
Nom Duct	Duct Area	Neck Vel	Air Flow	Pt	Throw	NC	Nom Duct	Duct Area	Neck Vel	Air Flow	Pt	Throw	
in	ft²	FPM	CFM	"WG	ft		mm	m²	m/s	L/s	Pa	m	
10" x 12"	0.83	200	167	.024	7 - 13 - 24	-	254 x 305	0.08	1.02	79	6.0	2.1 - 4.1 - 7.2	
		300	250	.054	13 - 20 - 29	12			1.52	118	13.4	4.1 - 6.1 - 8.8	
		400	333	.096	18 - 24 - 34	20			2.03	157	23.8	5.4 - 7.2 - 10.2	
		450	375	.121	20 - 25 - 36	23			2.29	177	30.1	6.1 - 7.7 - 10.8	
		500	417	.149	22 - 27 - 38	26			2.54	197	37.2	6.6 - 8.1 - 11.4	
		600	500	.215	24 - 29 - 41	31			3.05	236	53.6	7.2 - 8.8 - 12.5	
		700	583	.293	26 - 31 - 44	36			3.56	275	72.9	7.8 - 9.5 - 13.5	
		800	667	.382	27 - 34 - 47	39			4.06	315	95.2	8.3 - 10.2 - 14.4	
		900	750	.484	29 - 36 - 50	43			4.57	354	120.5	8.8 - 10.8 - 15.3	
10" x 14"	0.97	200	194	.017	7 - 14 - 26	-	254 x 356	0.09	1.02	92	4.3	2.3 - 4.4 - 7.8	
		250	243	.027	12 - 18 - 29	-			1.27	115	6.6	3.5 - 5.5 - 8.7	
		300	292	.038	14 - 22 - 31	13			1.52	138	9.6	4.4 - 6.6 - 9.5	
		400	389	.068	19 - 26 - 36	21			2.03	184	17.0	5.8 - 7.8 - 11.0	
		500	486	.107	23 - 29 - 41	27			2.54	229	26.6	7.1 - 8.7 - 12.3	
		600	583	.154	26 - 31 - 44	32			3.05	275	38.3	7.8 - 9.5 - 13.5	
		700	681	.209	28 - 34 - 48	36			3.56	321	52.1	8.4 - 10.3 - 14.6	
		800	778	.273	30 - 36 - 51	40			4.06	367	68.1	9.0 - 11.0 - 15.6	
		900	875	.346	31 - 38 - 54	43			4.57	413	86.1	9.5 - 11.7 - 16.5	
12" x 12"	1.00	200	200	.017	7 - 15 - 26	-	305 x 305	0.09	1.02	94	4.3	2.3 - 4.4 - 7.9	
		250	250	.027	12 - 18 - 29	-			1.27	118	6.6	3.5 - 5.5 - 8.8	
		300	300	.038	15 - 22 - 32	13			1.52	142	9.6	4.4 - 6.7 - 9.7	
		400	400	.068	19 - 26 - 37	21			2.03	189	17.0	5.9 - 7.9 - 11.2	
		500	500	.107	24 - 29 - 41	27			2.54	236	26.6	7.2 - 8.8 - 12.5	
		600	600	.154	26 - 32 - 45	32			3.05	283	38.3	7.9 - 9.7 - 13.7	
		700	700	.209	28 - 34 - 49	36			3.56	330	52.1	8.5 - 10.5 - 14.8	
		800	800	.273	30 - 37 - 52	40			4.06	378	68.1	9.1 - 11.2 - 15.8	
		900	900	.346	32 - 39 - 55	43			4.57	425	86.1	9.7 - 11.9 - 16.8	
12" x 14"	1.17	100	117	.004	2 - 4 - 16	-	305 x 356	0.11	0.51	55	1.1	0.6 - 1.4 - 4.8	
		200	233	.017	8 - 16 - 28	-			1.02	110	4.3	2.4 - 4.8 - 8.5	
		250	292	.027	12 - 20 - 31	-			1.27	138	6.6	3.8 - 6.0 - 9.5	
		300	350	.038	16 - 24 - 34	13			1.52	165	9.6	4.8 - 7.2 - 10.5	
		400	467	.068	21 - 28 - 40	21			2.03	220	17.0	6.4 - 8.5 - 12.1	
		500	583	.107	26 - 31 - 44	27			2.54	275	26.6	7.8 - 9.5 - 13.5	
		600	700	.154	28 - 34 - 49	32			3.05	330	38.3	8.5 - 10.5 - 14.8	
		700	817	.209	30 - 37 - 53	37			3.56	385	52.1	9.2 - 11.3 - 16.0	
		800	933	.273	32 - 40 - 56	40			4.06	440	68.1	9.9 - 12.1 - 17.1	
12" x 16"	1.33	100	133	.004	2 - 5 - 17	-	305 x 406	0.12	0.51	63	1.1	0.6 - 1.4 - 5.1	
		200	267	.017	8 - 17 - 30	-			1.02	126	4.3	2.6 - 5.1 - 9.1	
		250	333	.027	13 - 21 - 34	-			1.27	157	6.6	4.0 - 6.4 - 10.2	
		300	400	.038	17 - 25 - 37	13			1.52	189	9.6	5.1 - 7.6 - 11.2	
		400	533	.068	22 - 30 - 42	21			2.03	252	17.0	6.8 - 9.1 - 12.9	
		500	667	.107	27 - 34 - 47	28			2.54	315	26.6	8.3 - 10.2 - 14.4	
		600	800	.154	30 - 37 - 52	33			3.05	378	38.3	9.1 - 11.2 - 15.8	
		700	933	.209	32 - 40 - 56	37			3.56	440	52.1	9.9 - 12.1 - 17.1	
		800	1067	.273	35 - 42 - 60	41			4.06	503	68.1	10.5 - 12.9 - 18.3	
14" x 14"	1.36	100	136	.004	2 - 5 - 17	-	356 x 356	0.13	0.51	64	1.1	0.6 - 1.4 - 5.1	
		200	272	.017	8 - 17 - 30	-			1.02	128	4.3	2.6 - 5.1 - 9.2	
		250	340	.027	13 - 21 - 34	-			1.27	161	6.6	4.0 - 6.4 - 10.3	
		300	408	.038	17 - 25 - 37	13			1.52	193	9.6	5.1 - 7.7 - 11.3	
		400	544	.068	22 - 30 - 43	21			2.03	257	17.0	6.8 - 9.2 - 13.0	
		500	681	.107	28 - 34 - 48	28			2.54	321	26.6	8.4 - 10.3 - 14.6	
		600	817	.154	30 - 37 - 53	33			3.05	385	38.3	9.2 - 11.3 - 16.0	
		700	953	.209	33 - 40 - 57	37			3.56	450	52.1	10.0 - 12.2 - 17.3	
		800	1089	.273	35 - 43 - 61	41			4.06	514	68.1	10.6 - 13.0 - 18.4	

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (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 value of less than 10. 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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IP Data						NC	Metric Data					
Nom Duct	Duct Area	Neck Vel	Air Flow	Pt	Throw		Nom Duct	Duct Area	Neck Vel	Air Flow	Pt	Throw
in	ft²	FPM	CFM	"WG	ft		mm	m²	m/s	L/s	Pa	m
14" x 16"	1.56	100	156	.004	2 - 5 - 18	-	356 x 406	0.14	0.51	73	1.1	0.7 - 1.5 - 5.5
		200	311	.017	9 - 18 - 32	-			1.02	147	4.3	2.7 - 5.5 - 9.9
		250	389	.027	14 - 22 - 36	-			1.27	184	6.6	4.3 - 6.8 - 11.0
		300	467	.038	18 - 27 - 40	14			1.52	220	9.6	5.5 - 8.2 - 12.1
		400	622	.068	24 - 32 - 46	22			2.03	294	17.0	7.3 - 9.9 - 13.9
		500	778	.107	30 - 36 - 51	28			2.54	367	26.6	9.0 - 11.0 - 15.6
		600	933	.154	32 - 40 - 56	33			3.05	440	38.3	9.9 - 12.1 - 17.1
		700	1089	.209	35 - 43 - 61	37			3.56	514	52.1	10.6 - 13.0 - 18.4
800	1244	.273	37 - 46 - 65	41	4.06	587	68.1	11.4 - 13.9 - 19.7				
14" x 18"	1.75	100	175	.005	2 - 5 - 19	-	356 x 457	0.16	0.51	83	1.4	0.7 - 1.6 - 5.8
		200	350	.022	9 - 19 - 34	-			1.02	165	5.4	2.9 - 5.8 - 10.5
		250	438	.034	15 - 24 - 38	-			1.27	206	8.5	4.5 - 7.2 - 11.7
		300	525	.049	19 - 29 - 42	14			1.52	248	12.2	5.8 - 8.7 - 12.8
		400	700	.087	25 - 34 - 49	22			2.03	330	21.8	7.7 - 10.5 - 14.8
		500	875	.137	31 - 38 - 54	28			2.54	413	34.0	9.5 - 11.7 - 16.5
		600	1050	.197	34 - 42 - 60	33			3.05	496	49.0	10.5 - 12.8 - 18.1
		700	1225	.268	37 - 46 - 64	38			3.56	578	66.6	11.3 - 13.8 - 19.6
800	1400	.350	40 - 49 - 69	41	4.06	661	87.0	12.1 - 14.8 - 20.9				
16" x 16"	1.78	100	178	.004	2 - 5 - 19	-	406 x 406	0.17	0.51	84	1.1	0.7 - 1.6 - 5.8
		200	356	.017	9 - 19 - 35	-			1.02	168	4.3	2.9 - 5.8 - 10.5
		250	444	.027	15 - 24 - 39	-			1.27	210	6.6	4.5 - 7.3 - 11.8
		300	533	.038	19 - 29 - 42	14			1.52	252	9.6	5.8 - 8.7 - 12.9
		400	711	.068	26 - 35 - 49	22			2.03	336	17.0	7.8 - 10.5 - 14.9
		500	889	.107	32 - 39 - 55	28			2.54	420	26.6	9.6 - 11.8 - 16.7
		600	1067	.154	35 - 42 - 60	33			3.05	503	38.3	10.5 - 12.9 - 18.3
		700	1244	.209	37 - 46 - 65	38			3.56	587	52.1	11.4 - 13.9 - 19.7
800	1422	.273	40 - 49 - 69	41	4.06	671	68.1	12.2 - 14.9 - 21.1				
14" x 20"	1.94	100	194	.004	2 - 6 - 20	-	356 x 508	0.18	0.51	92	1.1	0.8 - 1.7 - 6.1
		200	389	.017	10 - 20 - 36	-			1.02	184	4.3	3.0 - 6.1 - 11.0
		250	486	.027	15 - 25 - 41	-			1.27	229	6.6	4.7 - 7.6 - 12.3
		300	583	.038	20 - 30 - 44	14			1.52	275	9.6	6.1 - 9.1 - 13.5
		400	778	.068	27 - 36 - 51	22			2.03	367	17.0	8.1 - 11.0 - 15.6
		500	972	.107	33 - 41 - 57	29			2.54	459	26.6	10.1 - 12.3 - 17.4
		600	1167	.154	36 - 44 - 63	34			3.05	551	38.3	11.0 - 13.5 - 19.1
		700	1361	.209	39 - 48 - 68	38			3.56	642	52.1	11.9 - 14.6 - 20.6
800	1556	.273	42 - 51 - 73	42	4.06	734	68.1	12.7 - 15.6 - 22.0				
14" x 22"	2.14	100	214	.004	3 - 6 - 21	-	356 x 559	0.20	0.51	101	1.1	0.8 - 1.8 - 6.4
		200	428	.017	10 - 21 - 38	-			1.02	202	4.3	3.1 - 6.4 - 11.6
		250	535	.027	16 - 26 - 43	-			1.27	252	6.6	4.9 - 8.0 - 12.9
		300	642	.038	21 - 31 - 47	15			1.52	303	9.6	6.4 - 9.5 - 14.2
		400	856	.068	28 - 38 - 54	23			2.03	404	17.0	8.5 - 11.6 - 16.3
		500	1069	.107	35 - 43 - 60	29			2.54	505	26.6	10.6 - 12.9 - 18.3
		600	1283	.154	38 - 47 - 66	34			3.05	606	38.3	11.6 - 14.2 - 20.0
		700	1497	.209	41 - 50 - 71	38			3.56	707	52.1	12.5 - 15.3 - 21.6
800	1711	.273	44 - 54 - 76	42	4.06	808	68.1	13.3 - 16.3 - 23.1				
16" x 20"	2.22	200	444	.017	10 - 21 - 39	-	406 x 508	0.21	1.02	210	4.3	3.2 - 6.5 - 11.8
		300	667	.038	21 - 32 - 47	15			1.52	315	9.6	6.5 - 9.7 - 14.4
		350	778	.052	25 - 36 - 51	19			1.78	367	13.0	7.6 - 11.0 - 15.6
		400	889	.068	28 - 39 - 55	23			2.03	420	17.0	8.6 - 11.8 - 16.7
		450	1000	.086	32 - 41 - 58	26			2.29	472	21.5	9.7 - 12.5 - 17.7
		500	1111	.107	35 - 43 - 61	29			2.54	524	26.6	10.8 - 13.2 - 18.6
		600	1333	.154	39 - 47 - 67	34			3.05	629	38.3	11.8 - 14.4 - 20.4
		700	1556	.209	42 - 51 - 73	38			3.56	734	52.1	12.7 - 15.6 - 22.0
800	1778	.273	45 - 55 - 78	42	4.06	839	68.1	13.6 - 16.7 - 23.6				

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (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 value of less than 10. 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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Nom Duct	Duct Area	Neck Vel	Air Flow	Pt	Throw		Nom Duct	Duct Area	Neck Vel	Air Flow	Pt	Throw
in	ft²	FPM	CFM	"WG	ft		mm	m²	m/s	L/s	Pa	m
16" x 22"	2.44	200	489	.017	11 - 22 - 41	-	406 x 559	0.23	1.02	231	4.3	3.3 - 6.8 - 12.4
		300	733	.038	22 - 33 - 50	15			1.52	346	9.6	6.8 - 10.2 - 15.1
		350	856	.052	26 - 38 - 54	19			1.78	404	13.0	7.9 - 11.6 - 16.3
		400	978	.068	30 - 41 - 57	23			2.03	461	17.0	9.0 - 12.4 - 17.5
		450	1100	.086	33 - 43 - 61	26			2.29	519	21.5	10.2 - 13.1 - 18.5
		500	1222	.107	37 - 45 - 64	29			2.54	577	26.6	11.3 - 13.8 - 19.5
		600	1467	.154	41 - 50 - 70	34			3.05	692	38.3	12.4 - 15.1 - 21.4
		700	1711	.209	44 - 54 - 76	39			3.56	808	52.1	13.3 - 16.3 - 23.1
800	1956	.273	47 - 57 - 81	42	4.06	923	68.1	14.3 - 17.5 - 24.7				
18" x 20"	2.50	200	500	.017	11 - 23 - 41	-	457 x 508	0.23	1.02	236	4.3	3.3 - 6.8 - 12.5
		300	750	.038	23 - 34 - 50	15			1.52	354	9.6	6.8 - 10.3 - 15.3
		350	875	.052	26 - 38 - 54	19			1.78	413	13.0	8.0 - 11.7 - 16.5
		400	1000	.068	30 - 41 - 58	23			2.03	472	17.0	9.1 - 12.5 - 17.7
		450	1125	.086	34 - 44 - 62	26			2.29	531	21.5	10.3 - 13.3 - 18.7
		500	1250	.107	38 - 46 - 65	29			2.54	590	26.6	11.4 - 14.0 - 19.8
		600	1500	.154	41 - 50 - 71	34			3.05	708	38.3	12.5 - 15.3 - 21.6
		700	1750	.209	44 - 54 - 77	39			3.56	826	52.1	13.5 - 16.5 - 23.4
800	2000	.273	47 - 58 - 82	42	4.06	944	68.1	14.4 - 17.7 - 25.0				
20" x 20"	2.78	100	278	.005	3 - 6 - 24	-	508 x 508	0.26	0.51	131	1.3	0.9 - 2.0 - 7.2
		200	556	.021	12 - 24 - 43	-			1.02	262	5.2	3.5 - 7.2 - 13.2
		250	694	.033	18 - 30 - 48	-			1.27	328	8.1	5.5 - 9.0 - 14.7
		300	833	.047	24 - 36 - 53	15			1.52	393	11.7	7.2 - 10.8 - 16.1
		400	1111	.084	32 - 43 - 61	23			2.03	524	20.9	9.6 - 13.2 - 18.6
		500	1389	.131	39 - 48 - 69	30			2.54	655	32.6	12.0 - 14.7 - 20.8
		600	1667	.188	43 - 53 - 75	35			3.05	787	46.9	13.2 - 16.1 - 22.8
		700	1944	.256	47 - 57 - 81	39			3.56	918	63.9	14.2 - 17.4 - 24.6
800	2222	.335	50 - 61 - 87	43	4.06	1049	83.4	15.2 - 18.6 - 26.3				
20" x 22"	3.06	100	306	.004	3 - 7 - 25	-	508 x 559	0.28	0.51	144	1.1	0.9 - 2.1 - 7.5
		200	611	.017	12 - 25 - 45	-			1.02	288	4.3	3.6 - 7.5 - 13.8
		250	764	.027	19 - 31 - 51	11			1.27	361	6.6	5.7 - 9.4 - 15.4
		300	917	.038	25 - 37 - 56	16			1.52	433	9.6	7.5 - 11.3 - 16.9
		400	1222	.068	33 - 45 - 64	24			2.03	577	17.0	10.1 - 13.8 - 19.5
		500	1528	.107	41 - 51 - 72	30			2.54	721	26.6	12.6 - 15.4 - 21.8
		600	1833	.154	45 - 56 - 79	35			3.05	865	38.3	13.8 - 16.9 - 23.9
		700	2139	.209	49 - 60 - 85	39			3.56	1009	52.1	14.9 - 18.3 - 25.8
800	2444	.273	52 - 64 - 91	43	4.06	1154	68.1	16.0 - 19.5 - 27.6				
22" x 22"	3.36	100	336	.004	3 - 7 - 26	-	559 x 559	0.31	0.51	159	1.1	1.0 - 2.1 - 7.9
		200	672	.017	13 - 26 - 48	-			1.02	317	4.3	3.8 - 7.9 - 14.5
		250	840	.027	20 - 32 - 53	11			1.27	397	6.6	5.9 - 9.9 - 16.2
		300	1008	.038	26 - 39 - 58	16			1.52	476	9.6	7.9 - 11.8 - 17.7
		400	1344	.068	35 - 48 - 67	24			2.03	635	17.0	10.5 - 14.5 - 20.5
		500	1681	.107	43 - 53 - 75	30			2.54	793	26.6	13.2 - 16.2 - 22.9
		600	2017	.154	48 - 58 - 83	35			3.05	952	38.3	14.5 - 17.7 - 25.1
		700	2353	.209	51 - 63 - 89	39			3.56	1110	52.1	15.7 - 19.2 - 27.1
800	2689	.273	55 - 67 - 95	43	4.06	1269	68.1	16.7 - 20.5 - 29.0				
24" x 24"	4.00	100	400	.004	3 - 8 - 28	-	610 x 610	0.37	0.51	189	1.1	1.0 - 2.3 - 8.6
		200	800	.017	14 - 28 - 52	-			1.02	378	4.3	4.1 - 8.6 - 15.8
		250	1000	.027	21 - 35 - 58	11			1.27	472	6.6	6.4 - 10.7 - 17.7
		300	1200	.038	28 - 42 - 64	16			1.52	566	9.6	8.6 - 12.9 - 19.4
		400	1600	.068	38 - 52 - 74	24			2.03	755	17.0	11.4 - 15.8 - 22.4
		500	2000	.107	47 - 58 - 82	31			2.54	944	26.6	14.3 - 17.7 - 25.0
		600	2400	.154	52 - 64 - 90	36			3.05	1133	38.3	15.8 - 19.4 - 27.4
		700	2800	.209	56 - 69 - 97	40			3.56	1321	52.1	17.1 - 20.9 - 29.6
800	3200	.273	60 - 74 - 104	44	4.06	1510	68.1	18.3 - 22.4 - 31.6				

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (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 value of less than 10. 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.

51350 Performance Data: Horizontal Throw

IP/METRIC DATA: 51350 (NO DAMPER)

IP Data						NC	Metric Data					
Nom Duct	Duct Area	Neck Vel	Air Flow	Pt	Throw		Nom Duct	Duct Area	Neck Vel	Air Flow	Pt	Throw
in	ft²	FPM	CFM	"WG	ft		mm	m²	m/s	L/s	Pa	m
26" x 26"	4.69	100	469	.004	4 - 8 - 31	-	660 x 660	0.44	0.51	222	1.1	1.1 - 2.5 - 9.3
		200	939	.017	15 - 31 - 56	-			1.02	443	4.3	4.4 - 9.3 - 17.1
		300	1408	.038	31 - 46 - 69	17			1.52	665	9.6	9.3 - 13.9 - 21.0
		350	1643	.052	36 - 53 - 75	21			1.78	775	13.0	10.8 - 16.0 - 22.7
		300	1408	.038	31 - 46 - 69	17			1.52	665	9.6	9.3 - 13.9 - 21.0
		400	1878	.068	41 - 56 - 80	25			2.03	886	17.0	12.4 - 17.1 - 24.2
		500	2347	.107	51 - 63 - 89	31			2.54	1108	26.6	15.5 - 19.1 - 27.1
		600	2817	.154	56 - 69 - 98	36			3.05	1329	38.3	17.1 - 21.0 - 29.7
28" x 28"	5.44	700	3286	.209	61 - 75 - 105	41	711 x 711	0.51	3.56	1551	52.1	18.5 - 22.7 - 32.0
		100	544	.004	4 - 9 - 33	-			0.51	257	1.1	1.2 - 2.7 - 10.0
		200	1089	.017	16 - 33 - 61	-			1.02	514	4.3	4.7 - 10.0 - 18.4
		300	1633	.038	33 - 49 - 74	17			1.52	771	9.6	10.0 - 15.0 - 22.6
		350	1906	.052	38 - 57 - 80	22			1.78	899	13.0	11.6 - 17.3 - 24.4
		300	1633	.038	33 - 49 - 74	17			1.52	771	9.6	10.0 - 15.0 - 22.6
		400	2178	.068	44 - 61 - 86	25			2.03	1028	17.0	13.3 - 18.4 - 26.1
		500	2722	.107	55 - 68 - 96	32			2.54	1285	26.6	16.6 - 20.6 - 29.2
30" x 30"	6.25	600	3267	.154	61 - 74 - 105	37	762 x 762	0.58	3.05	1542	38.3	18.4 - 22.6 - 31.9
		700	3811	.209	66 - 80 - 113	41			3.56	1799	52.1	19.9 - 24.4 - 34.5
		100	625	.004	4 - 9 - 35	-			0.51	295	1.1	1.3 - 2.8 - 10.7
		200	1250	.017	17 - 35 - 65	-			1.02	590	4.3	5.0 - 10.7 - 19.8
		300	1875	.038	35 - 53 - 80	18			1.52	885	9.6	10.7 - 16.0 - 24.2
		350	2188	.052	41 - 61 - 86	22			1.78	1032	13.0	12.4 - 18.5 - 26.1
		300	1875	.038	35 - 53 - 80	18			1.52	885	9.6	10.7 - 16.0 - 24.2
		400	2500	.068	47 - 65 - 92	26			2.03	1180	17.0	14.2 - 19.8 - 27.9
		500	3125	.107	58 - 73 - 103	32			2.54	1475	26.6	17.8 - 22.1 - 31.2
		600	3750	.154	65 - 80 - 113	37			3.05	1770	38.3	19.8 - 24.2 - 34.2
		700	4375	.209	70 - 86 - 122	41			3.56	2065	52.1	21.3 - 26.1 - 37.0

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (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 value of less than 10. 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.