1240, 51240 Performance Data: Horizontal Throw

IP/METRIC DATA: 1240, 51240, 1-CORE (NO DAMPER)

	IP Data						Metric Data											
Neck Size	Neck Vel FPM	Air Flow CFM	Ps "WG	Pt "WG	1-Core Throw ft	NC	Neck Vel m/s	Air Flow L/s	Ps Pa	Pt Pa	1-Core Throw m	Octave Band, dB 2	3	4	5	6	7
6" x 6"	300	75	0.005	0.011	3 - 6 - 8	-	1.52	35	1.3	2.7	1.0 - 1.7 - 2.4	23	20	12	-	-	-
	400	100	0.009	0.019	5 - 6 - 9	-	2.03	47	2.3	4.8	1.6 - 1.9 - 2.7	29	25	19	-	-	-
	500	125	0.014	0.030	6 - 7 - 10	-	2.54	59	3.6	7.5	1.8 - 2.2 - 3.1	32	29	24	13	-	-
	600	150	0.021	0.043	6 - 8 - 11	12	3.05	71	5.2	10.7	1.9 - 2.4 - 3.4	36	33	29	19	14	-
	700	175	0.028	0.059	7 - 8 - 12	16	3.56	83	7.0	14.6	2.1 - 2.6 - 3.6	38	35	32	24	20	11
	800	200	0.037	0.077	7 - 9 - 13	20	4.06	94	9.2	19.1	2.2 - 2.7 - 3.9	41	38	36	29	25	17
	900	225	0.047	0.097	8 - 10 - 14	23	4.57	106	11.6	24.2	2.4 - 2.9 - 4.1	43	40	38	32	29	23
	1000	250	0.058	0.120	8 - 10 - 14	26	5.08	118	14.3	29.8	2.5 - 3.1 - 4.3	45	42	41	36	33	28
	1100	275	0.070	0.145	9 - 11 - 15	29	5.59	130	17.3	36.1	2.6 - 3.2 - 4.6	46	43	43	39	36	32
8" x 8"	300	133	0.008	0.013	4 - 7 - 10	-	1.52	63	1.9	3.3	1.3 - 2.2 - 3.2	26	24	16	-	-	-
	400	178	0.013	0.023	7 - 9 - 12	-	2.03	84	3.3	5.8	2.1 - 2.6 - 3.7	31	29	23	11	-	-
	500	222	0.021	0.036	8 - 10 - 13	12	2.54	105	5.2	9.1	2.4 - 2.9 - 4.1	34	33	29	18	12	-
	600	267	0.030	0.053	9 - 10 - 15	17	3.05	126	7.5	13.1	2.6 - 3.2 - 4.5	38	36	33	24	19	-
	700	311	0.041	0.071	9 - 11 - 16	21	3.56	147	10.2	17.8	2.8 - 3.4 - 4.8	40	39	37	29	24	17
	800	356	0.053	0.093	10 - 12 - 17	25	4.06	168	13.3	23.2	3.0 - 3.7 - 5.2	43	41	40	34	29	23
	900	400	0.068	0.118	10 - 13 - 18	28	4.57	189	16.8	29.4	3.2 - 3.9 - 5.5	45	44	43	38	34	28
	1000	444	0.084	0.146	11 - 13 - 19	31	5.08	210	20.8	36.3	3.3 - 4.1 - 5.8	47	45	46	41	38	33
	1100	489	0.101	0.177	12 - 14 - 20	34	5.59	231	25.2	43.9	3.5 - 4.3 - 6.1	48	47	48	44	41	37
10" x 10"	300	208	0.011	0.016	5 - 9 - 13	-	1.52	98	2.6	4.0	1.6 - 2.8 - 4.0	27	27	20	-	-	-
	400	278	0.019	0.029	9 - 11 - 15	-	2.03	131	4.7	7.1	2.6 - 3.2 - 4.6	32	32	27	15	-	-
	500	347	0.029	0.045	10 - 12 - 17	16	2.54	164	7.3	11.2	3.0 - 3.6 - 5.1	36	36	32	22	16	-
	600	417	0.042	0.065	11 - 13 - 18	21	3.05	197	10.5	16.1	3.2 - 4.0 - 5.6	39	39	37	28	22	14
	700	486	0.057	0.088	12 - 14 - 20	25	3.56	229	14.3	21.9	3.5 - 4.3 - 6.1	42	42	41	33	28	21
	800	556	0.075	0.115	12 - 15 - 21	29	4.06	262	18.6	28.6	3.7 - 4.6 - 6.5	44	44	44	38	33	27
	900	625	0.095	0.145	13 - 16 - 23	32	4.57	295	23.6	36.2	4.0 - 4.9 - 6.9	46	46	47	42	38	33
	1000	694	0.117	0.179	14 - 17 - 24	35	5.08	328	29.1	44.6	4.2 - 5.1 - 7.2	48	48	49	45	41	37
	1100	764	0.142	0.217	14 - 18 - 25	38	5.59	361	35.2	54.0	4.4 - 5.4 - 7.6	50	50	52	48	45	42
12" x 12"	300	300	0.014	0.020	6 - 11 - 16	-	1.52	142	3.5	4.9	1.9 - 3.4 - 4.8	28	29	23	-	-	-
	400	400	0.025	0.035	10 - 13 - 18	13	2.03	189	6.3	8.8	3.2 - 3.9 - 5.5	33	34	30	18	11	-
	500	500	0.039	0.055	12 - 14 - 20	19	2.54	236	9.8	13.7	3.5 - 4.3 - 6.1	37	38	35	26	19	-
	600	600	0.057	0.079	13 - 16 - 22	24	3.05	283	14.1	19.7	3.9 - 4.8 - 6.7	41	41	40	32	26	18
	700	700	0.077	0.108	14 - 17 - 24	28	3.56	330	19.3	26.9	4.2 - 5.1 - 7.3	43	44	44	37	31	25
	750	750	0.089	0.124	14 - 18 - 25	30	3.81	354	22.1	30.8	4.3 - 5.3 - 7.5	44	45	45	39	34	28
	800	800	0.101	0.141	15 - 18 - 26	32	4.06	378	25.1	35.1	4.5 - 5.5 - 7.8	46	47	47	41	36	31
	900	900	0.128	0.178	16 - 19 - 27	35	4.57	425	31.8	44.4	4.8 - 5.8 - 8.2	48	49	50	45	41	36
	1000	1000	0.158	0.220	17 - 20 - 29	38	5.08	472	39.3	54.8	5.0 - 6.1 - 8.7	50	51	52	48	44	41
14" x 14"	300	408	0.019	0.024	7 - 13 - 18	-	1.52	193	4.6	6.0	2.3 - 3.9 - 5.6	29	31	25	12	-	-
	400	544	0.033	0.043	12 - 15 - 21	16	2.03	257	8.2	10.7	3.7 - 4.5 - 6.4	34	36	32	21	13	-
	500	681	0.052	0.067	14 - 17 - 24	22	2.54	321	12.8	16.7	4.1 - 5.1 - 7.2	38	40	38	28	21	12
	600	817	0.074	0.097	15 - 18 - 26	27	3.05	385	18.5	24.1	4.5 - 5.6 - 7.9	42	43	42	34	28	20
	700	953	0.101	0.132	16 - 20 - 28	31	3.56	450	25.1	32.7	4.9 - 6.0 - 8.5	44	46	46	39	34	27
	750	1021	0.116	0.151	17 - 20 - 29	33	3.81	482	28.9	37.6	5.1 - 6.2 - 8.8	46	47	48	42	36	31
	800	1089	0.132	0.172	17 - 21 - 30	35	4.06	514	32.8	42.8	5.2 - 6.4 - 9.1	47	49	49	44	39	34
	900	1225	0.167	0.217	18 - 22 - 32	38	4.57	578	41.6	54.1	5.6 - 6.8 - 9.6	49	51	52	48	43	39
	1000	1361	0.206	0.268	19 - 24 - 33	41	5.08	642	51.3	66.8	5.9 - 7.2 - 10.1	51	53	55	51	47	44

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB 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 software for performance data not shown.

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1240, 51240 Performance Data: Horizontal Throw

IP/METRIC DATA: 1240, 51240, 1-CORE (NO DAMPER)

	IP Data						Metric Data											
Neck Size	Neck Vel FPM	Air Flow CFM	Ps "WG	Pt "WG	1-Core Throw ft	NC	Neck Vel m/s	Air Flow L/s	Ps Pa	Pt Pa	1-Core Throw m	Octave Band, dB 2	3	4	5	6	7
16" x 16"	300	533	0.024	0.029	9 - 15 - 21	-	1.52	252	5.9	7.3	2.6 - 4.5 - 6.3	30	33	28	14	-	-
	400	711	0.042	0.052	14 - 17 - 24	18	2.03	336	10.4	12.9	4.2 - 5.2 - 7.3	35	38	35	24	15	-
	500	889	0.065	0.081	16 - 19 - 27	24	2.54	420	16.3	20.2	4.7 - 5.8 - 8.2	39	42	40	31	24	15
	600	1067	0.094	0.117	17 - 21 - 30	29	3.05	503	23.5	29.1	5.2 - 6.3 - 9.0	43	45	44	37	30	23
	700	1244	0.128	0.159	18 - 23 - 32	33	3.56	587	31.9	39.5	5.6 - 6.9 - 9.7	45	48	48	42	36	30
	750	1333	0.147	0.182	19 - 23 - 33	35	3.81	629	36.7	45.4	5.8 - 7.1 - 10.0	46	49	50	44	39	33
	800	1422	0.168	0.207	20 - 24 - 34	37	4.06	671	41.7	51.7	6.0 - 7.3 - 10.4	48	50	51	46	41	36
	900	1600	0.212	0.263	21 - 26 - 36	40	4.57	755	52.8	65.4	6.3 - 7.8 - 11.0	50	52	54	50	45	41
	1000	1778	0.262	0.324	22 - 27 - 38	43	5.08	839	65.2	80.7	6.7 - 8.2 - 11.6	52	54	57	54	49	46
18" x 18"	300	675	0.029	0.035	10 - 17 - 23	12	1.52	319	7.3	8.7	2.9 - 5.1 - 7.1	31	34	29	16	-	-
	400	900	0.052	0.062	16 - 19 - 27	20	2.03	425	12.9	15.4	4.7 - 5.8 - 8.2	36	39	36	26	17	-
	500	1125	0.081	0.097	18 - 21 - 30	26	2.54	531	20.2	24.1	5.3 - 6.5 - 9.2	40	43	42	33	26	17
	600	1350	0.117	0.139	19 - 23 - 33	31	3.05	637	29.1	34.7	5.8 - 7.1 - 10.1	43	47	46	39	32	25
	650	1463	0.137	0.164	20 - 24 - 35	33	3.30	690	34.2	40.7	6.1 - 7.4 - 10.5	45	48	48	42	35	29
	700	1575	0.159	0.190	21 - 25 - 36	35	3.56	743	39.6	47.2	6.3 - 7.7 - 10.9	46	49	50	44	38	32
	750	1688	0.183	0.218	21 - 26 - 37	37	3.81	796	45.5	54.2	6.5 - 8.0 - 11.3	47	51	52	46	41	35
	800	1800	0.208	0.248	22 - 27 - 38	39	4.06	850	51.8	61.7	6.7 - 8.2 - 11.7	48	52	53	48	43	38
	900	2025	0.263	0.314	23 - 29 - 41	42	4.57	956	65.5	78.1	7.1 - 8.7 - 12.4	51	54	56	52	47	44
20" x 20"	200	556	0.016	0.018	5 - 11 - 21	-	1.02	262	3.9	4.6	1.4 - 3.2 - 6.5	25	28	21	-	-	-
	300	833	0.036	0.041	11 - 18 - 26	14	1.52	393	8.9	10.3	3.2 - 5.6 - 7.9	32	36	31	18	-	-
	400	1111	0.063	0.073	17 - 21 - 30	22	2.03	524	15.8	18.2	5.3 - 6.5 - 9.2	37	41	38	28	19	-
	500	1389	0.099	0.114	19 - 24 - 34	28	2.54	655	24.6	28.5	5.9 - 7.2 - 10.2	41	45	44	35	27	19
	600	1667	0.142	0.165	21 - 26 - 37	33	3.05	787	35.4	41.0	6.5 - 7.9 - 11.2	44	48	48	41	34	27
	650	1806	0.167	0.193	22 - 27 - 38	35	3.30	852	41.6	48.2	6.7 - 8.3 - 11.7	46	49	50	43	37	31
	700	1944	0.194	0.224	23 - 28 - 40	37	3.56	918	48.2	55.9	7.0 - 8.6 - 12.1	47	51	52	46	40	34
	800	2222	0.253	0.293	25 - 30 - 43	41	4.06	1049	63.0	73.0	7.5 - 9.2 - 13.0	49	53	55	50	45	40
	900	2500	0.320	0.371	26 - 32 - 45	44	4.57	1180	79.8	92.3	7.9 - 9.7 - 13.7	51	55	58	54	49	46
22" x 22"	100	336	0.005	0.005	1 - 3 - 12	-	0.51	159	1.2	1.3	0.4 - 0.9 - 3.6	13	17	-	-	-	-
	200	672	0.019	0.021	5 - 12 - 23	-	1.02	317	4.7	5.3	1.6 - 3.6 - 7.1	25	30	23	-	-	-
	300	1008	0.043	0.048	12 - 20 - 29	15	1.52	476	10.6	12.0	3.6 - 6.2 - 8.7	33	37	33	20	-	-
	400	1344	0.076	0.086	19 - 23 - 33	23	2.03	635	18.9	21.3	5.8 - 7.1 - 10.1	38	42	40	29	21	11
	500	1681	0.118	0.134	21 - 26 - 37	30	2.54	793	29.5	33.4	6.5 - 8.0 - 11.3	42	46	45	37	29	21
	550	1849	0.143	0.162	22 - 27 - 39	32	2.79	872	35.7	40.4	6.8 - 8.4 - 11.8	43	48	48	40	33	25
	600	2017	0.170	0.193	23 - 29 - 41	35	3.05	952	42.4	48.0	7.1 - 8.7 - 12.3	45	49	50	43	36	29
	700	2353	0.232	0.263	25 - 31 - 44	39	3.56	1110	57.8	65.4	7.7 - 9.4 - 13.3	47	52	53	48	42	36
	800	2689	0.303	0.343	27 - 33 - 47	43	4.06	1269	75.4	85.4	8.2 - 10.1 - 14.3	50	54	57	52	46	42
24" x 24"	100	400	0.006	0.006	3 - 8 - 18	-	0.51	189	1.4	1.5	1.0 - 2.3 - 5.5	14	18	-	-	-	-
	200	800	0.022	0.025	13 - 18 - 26	-	1.02	378	5.6	6.2	4.1 - 5.5 - 7.8	26	31	24	-	-	-
	300	1200	0.050	0.056	18 - 22 - 31	17	1.52	566	12.5	13.9	5.5 - 6.7 - 9.5	33	38	34	21	12	-
	400	1600	0.089	0.099	21 - 26 - 36	25	2.03	755	22.3	24.7	6.3 - 7.8 - 11.0	38	43	41	31	22	12
	500	2000	0.140	0.155	23 - 29 - 40	31	2.54	944	34.8	38.7	7.1 - 8.7 - 12.3	42	47	47	38	31	22
	550	2200	0.169	0.188	24 - 30 - 42	34	2.79	1038	42.1	46.8	7.4 - 9.1 - 12.9	44	49	49	41	34	27
	600	2400	0.201	0.224	26 - 31 - 44	36	3.05	1133	50.1	55.7	7.8 - 9.5 - 13.5	45	50	51	44	37	31
	700	2800	0.274	0.304	28 - 34 - 48	41	3.56	1321	68.2	75.8	8.4 - 10.3 - 14.5	48	53	55	49	43	38
	800	3200	0.358	0.398	30 - 36 - 51	44	4.06	1510	89.1	99.0	9.0 - 11.0 - 15.6	50	55	58	54	48	44

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB 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 software for performance data not shown.

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1240, 51240 Performance Data: Horizontal Throw

IP/METRIC DATA: 1240, 51240, 2-, 3-, & 4-CORE (NO DAMPER)

	IP Data					Metric Data				
Neck Size	Neck Vel FPM	Air Flow CFM	2-Core Throw ft	3-Core Throw ft	4-Core Throw ft	Neck Vel m/s	Air Flow L/s	2-Core Throw m	3-Core Throw m	4-Core Throw m
6" x 6"	300	75	6 - 8 - 11	7 - 9 - 13	9 - 11 - 16	1.52	35	1.8 - 2.4 - 3.4	2.1 - 2.7 - 3.9	2.7 - 3.3 - 4.7
	400	100	7 - 9 - 13	9 - 10 - 15	10 - 13 - 18	2.03	47	2.3 - 2.8 - 3.9	2.6 - 3.2 - 4.5	3.1 - 3.8 - 5.4
	500	125	8 - 10 - 14	10 - 12 - 17	12 - 14 - 20	2.54	59	2.5 - 3.1 - 4.4	2.9 - 3.5 - 5.0	3.5 - 4.3 - 6.1
	600	150	9 - 11 - 16	10 - 13 - 18	13 - 16 - 22	3.05	71	2.8 - 3.4 - 4.8	3.2 - 3.9 - 5.5	3.8 - 4.7 - 6.7
	700	175	10 - 12 - 17	11 - 14 - 20	14 - 17 - 24	3.56	83	3.0 - 3.7 - 5.2	3.4 - 4.2 - 5.9	4.2 - 5.1 - 7.2
	800	200	11 - 13 - 18	12 - 15 - 21	15 - 18 - 25	4.06	94	3.2 - 3.9 - 5.5	3.7 - 4.5 - 6.3	4.4 - 5.4 - 7.7
	900	225	11 - 14 - 19	13 - 16 - 22	16 - 19 - 27	4.57	106	3.4 - 4.2 - 5.9	3.9 - 4.8 - 6.7	4.7 - 5.8 - 8.2
	1000	250	12 - 14 - 20	13 - 17 - 23	16 - 20 - 28	5.08	118	3.6 - 4.4 - 6.2	4.1 - 5.0 - 7.1	5.0 - 6.1 - 8.6
	1100	275	12 - 15 - 21	14 - 17 - 24	17 - 21 - 30	5.59	130	3.8 - 4.6 - 6.5	4.3 - 5.3 - 7.4	5.2 - 6.4 - 9.0
8" x 8"	300	133	8 - 11 - 15	9 - 12 - 17	12 - 15 - 21	1.52	63	2.4 - 3.2 - 4.5	2.8 - 3.7 - 5.2	3.6 - 4.4 - 6.3
	400	178	10 - 12 - 17	11 - 14 - 20	14 - 17 - 24	2.03	84	3.0 - 3.7 - 5.2	3.5 - 4.2 - 6.0	4.2 - 5.1 - 7.3
	500	222	11 - 14 - 19	13 - 16 - 22	15 - 19 - 27	2.54	105	3.4 - 4.1 - 5.8	3.9 - 4.7 - 6.7	4.7 - 5.7 - 8.1
	600	267	12 - 15 - 21	14 - 17 - 24	17 - 21 - 29	3.05	126	3.7 - 4.5 - 6.4	4.2 - 5.2 - 7.3	5.1 - 6.3 - 8.9
	700	311	13 - 16 - 23	15 - 18 - 26	18 - 22 - 32	3.56	147	4.0 - 4.9 - 6.9	4.6 - 5.6 - 7.9	5.5 - 6.8 - 9.6
	800	356	14 - 17 - 24	16 - 20 - 28	19 - 24 - 34	4.06	168	4.3 - 5.2 - 7.4	4.9 - 6.0 - 8.5	5.9 - 7.3 - 10.3
	900	400	15 - 18 - 26	17 - 21 - 30	21 - 25 - 36	4.57	189	4.5 - 5.5 - 7.8	5.2 - 6.3 - 9.0	6.3 - 7.7 - 10.9
	1000	444	16 - 19 - 27	18 - 22 - 31	22 - 27 - 38	5.08	210	4.8 - 5.8 - 8.3	5.5 - 6.7 - 9.5	6.6 - 8.1 - 11.5
	1100	489	16 - 20 - 29	19 - 23 - 33	23 - 28 - 40	5.59	231	5.0 - 6.1 - 8.7	5.7 - 7.0 - 9.9	6.9 - 8.5 - 12.0
10" x 10"	300	208	10 - 13 - 19	11 - 15 - 21	15 - 18 - 26	1.52	98	3.0 - 4.0 - 5.7	3.5 - 4.6 - 6.5	4.5 - 5.6 - 7.9
	400	278	12 - 15 - 21	14 - 17 - 25	17 - 21 - 30	2.03	131	3.8 - 4.6 - 6.5	4.3 - 5.3 - 7.5	5.2 - 6.4 - 9.1
	500	347	14 - 17 - 24	16 - 19 - 28	19 - 24 - 33	2.54	164	4.2 - 5.2 - 7.3	4.8 - 5.9 - 8.4	5.9 - 7.2 - 10.1
	600	417	15 - 19 - 26	17 - 21 - 30	21 - 26 - 37	3.05	197	4.6 - 5.7 - 8.0	5.3 - 6.5 - 9.2	6.4 - 7.9 - 11.1
	700	486	16 - 20 - 28	19 - 23 - 33	23 - 28 - 39	3.56	229	5.0 - 6.1 - 8.6	5.7 - 7.0 - 9.9	6.9 - 8.5 - 12.0
	800	556	18 - 21 - 30	20 - 25 - 35	24 - 30 - 42	4.06	262	5.3 - 6.5 - 9.2	6.1 - 7.5 - 10.6	7.4 - 9.1 - 12.8
	900	625	19 - 23 - 32	21 - 26 - 37	26 - 32 - 45	4.57	295	5.7 - 6.9 - 9.8	6.5 - 7.9 - 11.2	7.9 - 9.6 - 13.6
	1000	694	20 - 24 - 34	22 - 28 - 39	27 - 33 - 47	5.08	328	6.0 - 7.3 - 10.3	6.8 - 8.4 - 11.8	8.3 - 10.1 - 14.3
	1100	764	21 - 25 - 36	24 - 29 - 41	29 - 35 - 49	5.59	361	6.3 - 7.7 - 10.8	7.2 - 8.8 - 12.4	8.7 - 10.6 - 15.0
12" x 12"	300	300	12 - 16 - 22	14 - 18 - 26	18 - 22 - 31	1.52	142	3.6 - 4.8 - 6.8	4.1 - 5.5 - 7.8	5.4 - 6.7 - 9.4
	400	400	15 - 18 - 26	17 - 21 - 30	21 - 25 - 36	2.03	189	4.5 - 5.5 - 7.8	5.2 - 6.3 - 9.0	6.3 - 7.7 - 10.9
	500	500	17 - 20 - 29	19 - 23 - 33	23 - 28 - 40	2.54	236	5.1 - 6.2 - 8.8	5.8 - 7.1 - 10.0	7.0 - 8.6 - 12.2
	600	600	18 - 22 - 32	21 - 26 - 36	25 - 31 - 44	3.05	283	5.5 - 6.8 - 9.6	6.3 - 7.8 - 11.0	7.7 - 9.4 - 13.3
	700	700	20 - 24 - 34	23 - 28 - 39	27 - 33 - 47	3.56	330	6.0 - 7.3 - 10.4	6.9 - 8.4 - 11.9	8.3 - 10.2 - 14.4
	750	750	20 - 25 - 35	23 - 29 - 40	28 - 35 - 49	3.81	354	6.2 - 7.6 - 10.7	7.1 - 8.7 - 12.3	8.6 - 10.5 - 14.9
	800	800	21 - 26 - 36	24 - 30 - 42	29 - 36 - 51	4.06	378	6.4 - 7.8 - 11.1	7.3 - 9.0 - 12.7	8.9 - 10.9 - 15.4
	900	900	22 - 27 - 39	26 - 31 - 44	31 - 38 - 54	4.57	425	6.8 - 8.3 - 11.8	7.8 - 9.5 - 13.5	9.4 - 11.5 - 16.3
	1000	1000	24 - 29 - 41	27 - 33 - 47	33 - 40 - 57	5.08	472	7.2 - 8.8 - 12.4	8.2 - 10.0 - 14.2	9.9 - 12.2 - 17.2
14" x 14"	300	408	14 - 18 - 26	16 - 21 - 30	21 - 26 - 36	1.52	193	4.2 - 5.6 - 7.9	4.8 - 6.4 - 9.1	6.3 - 7.8 - 11.0
	400	544	17 - 21 - 30	20 - 24 - 34	24 - 30 - 42	2.03	257	5.3 - 6.5 - 9.1	6.0 - 7.4 - 10.5	7.3 - 9.0 - 12.7
	500	681	19 - 24 - 34	22 - 27 - 39	27 - 33 - 47	2.54	321	5.9 - 7.2 - 10.2	6.8 - 8.3 - 11.7	8.2 - 10.0 - 14.2
	600	817	21 - 26 - 37	24 - 30 - 42	30 - 36 - 51	3.05	385	6.5 - 7.9 - 11.2	7.4 - 9.1 - 12.8	9.0 - 11.0 - 15.5
	700	953	23 - 28 - 40	26 - 32 - 46	32 - 39 - 55	3.56	450	7.0 - 8.6 - 12.1	8.0 - 9.8 - 13.9	9.7 - 11.9 - 16.8
	750	1021	24 - 29 - 41	27 - 33 - 47	33 - 40 - 57	3.81	482	7.2 - 8.9 - 12.5	8.3 - 10.1 - 14.3	10.0 - 12.3 - 17.4
	800	1089	25 - 30 - 43	28 - 34 - 49	34 - 42 - 59	4.06	514	7.5 - 9.1 - 12.9	8.6 - 10.5 - 14.8	10.4 - 12.7 - 18.0
	900	1225	26 - 32 - 45	30 - 37 - 52	36 - 44 - 63	4.57	578	7.9 - 9.7 - 13.7	9.1 - 11.1 - 15.7	11.0 - 13.5 - 19.0
	1000	1361	27 - 34 - 48	31 - 39 - 54	38 - 47 - 66	5.08	642	8.4 - 10.2 - 14.5	9.6 - 11.7 - 16.6	11.6 - 14.2 - 20.1

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection software for performance data not shown.

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1240, 51240 Performance Data: Horizontal Throw

IP/METRIC DATA: 1240, 51240, 2-, 3-, & 4-CORE (NO DAMPER)

	IP Data					Metric Data				
Neck Size	Neck Vel FPM	Air Flow CFM	2-Core Throw ft	3-Core Throw ft	4-Core Throw ft	Neck Vel m/s	Air Flow L/s	2-Core Throw m	3-Core Throw m	4-Core Throw m
16" x 16"	300	533	16 - 21 - 30	18 - 24 - 34	24 - 29 - 41	1.52	252	4.8 - 6.4 - 9.1	5.5 - 7.3 - 10.4	7.2 - 8.9 - 12.6
	400	711	20 - 24 - 34	23 - 28 - 39	28 - 34 - 48	2.03	336	6.0 - 7.4 - 10.5	6.9 - 8.5 - 12.0	8.4 - 10.3 - 14.5
	500	889	22 - 27 - 38	25 - 31 - 44	31 - 38 - 53	2.54	420	6.7 - 8.3 - 11.7	7.7 - 9.5 - 13.4	9.4 - 11.5 - 16.2
	600	1067	24 - 30 - 42	28 - 34 - 48	34 - 41 - 58	3.05	503	7.4 - 9.1 - 12.8	8.5 - 10.4 - 14.7	10.3 - 12.6 - 17.8
	700	1244	26 - 32 - 45	30 - 37 - 52	36 - 45 - 63	3.56	587	8.0 - 9.8 - 13.8	9.1 - 11.2 - 15.8	11.1 - 13.6 - 19.2
	750	1333	27 - 33 - 47	31 - 38 - 54	38 - 46 - 65	3.81	629	8.3 - 10.1 - 14.3	9.5 - 11.6 - 16.4	11.5 - 14.0 - 19.9
	800	1422	28 - 34 - 49	32 - 39 - 56	39 - 48 - 68	4.06	671	8.5 - 10.5 - 14.8	9.8 - 12.0 - 16.9	11.8 - 14.5 - 20.5
	900	1600	30 - 36 - 52	34 - 42 - 59	41 - 51 - 72	4.57	755	9.1 - 11.1 - 15.7	10.4 - 12.7 - 18.0	12.6 - 15.4 - 21.8
	1000	1778	31 - 38 - 54	36 - 44 - 62	44 - 53 - 75	5.08	839	9.5 - 11.7 - 16.5	10.9 - 13.4 - 18.9	13.2 - 16.2 - 22.9
18" x 18"	300	675	18 - 24 - 34	20 - 27 - 38	27 - 33 - 47	1.52	319	5.4 - 7.2 - 10.2	6.2 - 8.2 - 11.7	8.1 - 10.0 - 14.1
	400	900	22 - 27 - 39	26 - 31 - 44	31 - 38 - 54	2.03	425	6.8 - 8.3 - 11.8	7.8 - 9.5 - 13.5	9.4 - 11.5 - 16.3
	500	1125	25 - 31 - 43	29 - 35 - 50	35 - 42 - 60	2.54	531	7.6 - 9.3 - 13.1	8.7 - 10.6 - 15.1	10.5 - 12.9 - 18.3
	600	1350	27 - 34 - 47	31 - 38 - 54	38 - 47 - 66	3.05	637	8.3 - 10.2 - 14.4	9.5 - 11.7 - 16.5	11.5 - 14.1 - 20.0
	650	1463	28 - 35 - 49	33 - 40 - 56	40 - 48 - 68	3.30	690	8.7 - 10.6 - 15.0	9.9 - 12.1 - 17.2	12.0 - 14.7 - 20.8
	700	1575	30 - 36 - 51	34 - 41 - 59	41 - 50 - 71	3.56	743	9.0 - 11.0 - 15.6	10.3 - 12.6 - 17.8	12.5 - 15.3 - 21.6
	750	1688	31 - 37 - 53	35 - 43 - 61	42 - 52 - 74	3.81	796	9.3 - 11.4 - 16.1	10.6 - 13.0 - 18.4	12.9 - 15.8 - 22.4
	800	1800	32 - 39 - 55	36 - 44 - 63	44 - 54 - 76	4.06	850	9.6 - 11.8 - 16.6	11.0 - 13.5 - 19.0	13.3 - 16.3 - 23.1
	900	2025	34 - 41 - 58	38 - 47 - 66	47 - 57 - 81	4.57	956	10.2 - 12.5 - 17.6	11.7 - 14.3 - 20.2	14.1 - 17.3 - 24.5
20" x 20"	200	556	9 - 20 - 30	11 - 23 - 35	15 - 30 - 42	1.02	262	2.6 - 6.0 - 9.2	3.5 - 6.9 - 10.6	4.5 - 9.0 - 12.8
	300	833	20 - 26 - 37	23 - 30 - 43	30 - 37 - 52	1.52	393	6.0 - 8.0 - 11.3	6.9 - 9.2 - 13.0	9.0 - 11.1 - 15.7
	400	1111	25 - 30 - 43	28 - 35 - 49	34 - 42 - 60	2.03	524	7.5 - 9.2 - 13.1	8.6 - 10.6 - 15.0	10.5 - 12.8 - 18.1
	500	1389	28 - 34 - 48	32 - 39 - 55	39 - 47 - 67	2.54	655	8.4 - 10.3 - 14.6	9.7 - 11.8 - 16.7	11.7 - 14.3 - 20.3
	600	1667	30 - 37 - 53	35 - 43 - 60	42 - 52 - 73	3.05	787	9.2 - 11.3 - 16.0	10.6 - 13.0 - 18.3	12.8 - 15.7 - 22.2
	650	1806	32 - 39 - 55	36 - 44 - 63	44 - 54 - 76	3.30	852	9.6 - 11.8 - 16.7	11.0 - 13.5 - 19.1	13.3 - 16.3 - 23.1
	700	1944	33 - 40 - 57	38 - 46 - 65	46 - 56 - 79	3.56	918	10.0 - 12.2 - 17.3	11.4 - 14.0 - 19.8	13.9 - 17.0 - 24.0
	800	2222	35 - 43 - 61	40 - 49 - 70	49 - 60 - 84	4.06	1049	10.7 - 13.1 - 18.5	12.2 - 15.0 - 21.2	14.8 - 18.1 - 25.7
	900	2500	37 - 46 - 64	43 - 52 - 74	52 - 63 - 89	4.57	1180	11.3 - 13.9 - 19.6	13.0 - 15.9 - 22.4	15.7 - 19.2 - 27.2
22" x 22"	100	336	2 - 5 - 22	3 - 7 - 25	4 - 9 - 33	0.51	159	0.7 - 1.6 - 6.6	1.0 - 2.2 - 7.6	1.2 - 2.8 - 9.9
	200	672	10 - 22 - 33	13 - 25 - 38	16 - 33 - 46	1.02	317	2.9 - 6.6 - 10.2	3.8 - 7.6 - 11.6	4.9 - 9.9 - 14.1
	300	1008	22 - 29 - 41	25 - 33 - 47	33 - 40 - 57	1.52	476	6.6 - 8.8 - 12.4	7.6 - 10.1 - 14.3	9.9 - 12.2 - 17.3
	400	1344	27 - 33 - 47	31 - 38 - 54	38 - 46 - 66	2.03	635	8.3 - 10.2 - 14.4	9.5 - 11.6 - 16.5	11.5 - 14.1 - 20.0
	500	1681	31 - 37 - 53	35 - 43 - 61	42 - 52 - 73	2.54	793	9.3 - 11.4 - 16.1	10.6 - 13.0 - 18.4	12.9 - 15.8 - 22.3
	550	1849	32 - 39 - 55	37 - 45 - 64	44 - 54 - 77	2.79	872	9.7 - 11.9 - 16.9	11.1 - 13.7 - 19.3	13.5 - 16.5 - 23.4
	600	2017	33 - 41 - 58	38 - 47 - 66	46 - 57 - 80	3.05	952	10.2 - 12.4 - 17.6	11.6 - 14.3 - 20.2	14.1 - 17.3 - 24.4
	700	2353	36 - 44 - 63	41 - 51 - 72	50 - 61 - 87	3.56	1110	11.0 - 13.4 - 19.0	12.6 - 15.4 - 21.8	15.2 - 18.7 - 26.4
	800	2689	39 - 47 - 67	44 - 54 - 77	54 - 66 - 93	4.06	1269	11.7 - 14.4 - 20.3	13.4 - 16.5 - 23.3	16.3 - 20.0 - 28.2
24" x 24"	100	400	6 - 14 - 26	8 - 18 - 30	10 - 23 - 36	0.51	189	1.9 - 4.2 - 7.8	2.5 - 5.5 - 9.0	3.2 - 7.1 - 10.9
	200	800	21 - 26 - 36	24 - 30 - 42	29 - 36 - 51	1.02	378	6.4 - 7.8 - 11.1	7.3 - 9.0 - 12.7	8.9 - 10.9 - 15.4
	300	1200	26 - 32 - 45	30 - 36 - 51	36 - 44 - 62	1.52	566	7.8 - 9.6 - 13.6	9.0 - 11.0 - 15.6	10.9 - 13.3 - 18.8
	400	1600	30 - 36 - 52	34 - 42 - 59	41 - 51 - 72	2.03	755	9.1 - 11.1 - 15.7	10.4 - 12.7 - 18.0	12.6 - 15.4 - 21.8
	500	2000	33 - 41 - 58	38 - 47 - 66	46 - 57 - 80	2.54	944	10.1 - 12.4 - 17.5	11.6 - 14.2 - 20.1	14.0 - 17.2 - 24.3
	550	2200	35 - 43 - 60	40 - 49 - 69	48 - 59 - 84	2.79	1038	10.6 - 13.0 - 18.4	12.2 - 14.9 - 21.1	14.7 - 18.0 - 25.5
	600	2400	36 - 45 - 63	42 - 51 - 72	51 - 62 - 88	3.05	1133	11.1 - 13.6 - 19.2	12.7 - 15.6 - 22.0	15.4 - 18.8 - 26.7
	700	2800	39 - 48 - 68	45 - 55 - 78	55 - 67 - 95	3.56	1321	12.0 - 14.7 - 20.7	13.7 - 16.8 - 23.8	16.6 - 20.4 - 28.8
	800	3200	42 - 52 - 73	48 - 59 - 84	58 - 72 - 101	4.06	1510	12.8 - 15.7 - 22.2	14.7 - 18.0 - 25.4	17.8 - 21.8 - 30.8

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection software for performance data not shown.

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