

6500, 56500 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6500, 56500, 12"x12" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	4-way Throw		Neck Vel	Air Flow	Ps	Pt	4-way Throw							
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7	
6"	300	59	0.009	0.015	1 - 1 - 6	-	1.52	28	2.2	3.6	0.2 - 0.4 - 1.7	23	15	18	-	-	-	
	400	78	0.016	0.026	1 - 2 - 8	-	2.03	37	3.9	6.4	0.3 - 0.7 - 2.4	27	21	22	14	-	-	
	500	98	0.025	0.040	2 - 4 - 10	-	2.54	46	6.1	10.0	0.5 - 1.2 - 2.9	29	25	26	21	-	-	
	600	118	0.036	0.058	2 - 6 - 10	14	3.05	56	8.9	14.4	0.7 - 1.7 - 3.2	31	28	29	26	16	-	
	700	137	0.048	0.079	3 - 7 - 11	19	3.56	65	12.0	19.7	1.0 - 2.1 - 3.4	33	31	31	31	23	-	
	800	157	0.063	0.103	4 - 8 - 12	23	4.06	74	15.7	25.7	1.3 - 2.4 - 3.7	34	34	33	35	28	15	
	900	176	0.080	0.130	6 - 9 - 13	27	4.57	83	19.9	32.5	1.7 - 2.7 - 3.9	35	36	35	38	33	20	
	1000	196	0.099	0.161	7 - 10 - 13	30	5.08	93	24.6	40.1	2.0 - 2.9 - 4.1	36	38	37	41	37	24	
	1100	216	0.119	0.195	7 - 10 - 14	34	5.59	102	29.7	48.5	2.2 - 3.0 - 4.3	37	40	38	44	41	28	

IP/METRIC DATA: 6500, 56500, 12"x12" PANEL, 1 - 3-WAY (NO DAMPER)

	IP Data					NC	Metric Data				
	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw		Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw
	FPM	CFM	ft	ft	ft		m/s	L/s	m	m	m
6"	300	59	4 - 8 - 15	2 - 4 - 10	2 - 4 - 8	-	1.52	28	1.2 - 2.3 - 4.6	0.5 - 1.2 - 3.2	0.5 - 1.1 - 2.3
	400	78	7 - 10 - 20	3 - 7 - 14	3 - 5 - 10	-	2.03	37	2.0 - 3.1 - 6.1	0.9 - 2.1 - 4.2	0.9 - 1.5 - 3.1
	500	98	8 - 13 - 24	5 - 9 - 16	4 - 6 - 13	-	2.54	46	2.6 - 3.8 - 7.2	1.4 - 2.6 - 4.8	1.3 - 1.9 - 3.8
	600	118	10 - 15 - 26	7 - 10 - 17	5 - 8 - 14	-	3.05	56	3.1 - 4.6 - 7.9	2.1 - 3.2 - 5.2	1.5 - 2.3 - 4.2
	700	137	12 - 18 - 28	8 - 12 - 19	6 - 9 - 15	-	3.56	65	3.6 - 5.4 - 8.5	2.5 - 3.7 - 5.6	1.8 - 2.7 - 4.6
	800	157	13 - 20 - 30	9 - 14 - 20	7 - 10 - 16	-	4.06	74	4.1 - 6.1 - 9.1	2.8 - 4.2 - 6.0	2.0 - 3.1 - 4.9
	900	176	15 - 22 - 32	10 - 15 - 21	8 - 11 - 17	-	4.57	83	4.6 - 6.8 - 9.6	3.2 - 4.5 - 6.4	2.3 - 3.5 - 5.2
	1000	196	17 - 24 - 33	12 - 16 - 22	8 - 13 - 18	-	5.08	93	5.1 - 7.2 - 10.2	3.5 - 4.8 - 6.7	2.6 - 3.8 - 5.5
	1100	216	18 - 25 - 35	13 - 16 - 23	9 - 13 - 19	-	5.59	102	5.6 - 7.5 - 10.6	3.9 - 5.0 - 7.1	2.8 - 4.1 - 5.7

IP/METRIC DATA: 6500, 56500, 12"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw		Neck Vel	Air Flow	Ps	Pt	4-Way Throw							
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7	
6"	300	59	0.009	0.015	1 - 1 - 3	-	1.52	28	2.2	3.6	0.2 - 0.4 - 0.8	27	26	12	-	-	-	
	400	78	0.016	0.026	1 - 2 - 4	-	2.03	37	4.0	6.4	0.3 - 0.5 - 1.1	30	30	19	11	-	-	
	500	98	0.025	0.040	1 - 2 - 4	-	2.54	46	6.2	10.1	0.4 - 0.7 - 1.3	32	33	24	18	-	-	
	600	118	0.036	0.058	2 - 3 - 5	11	3.05	56	8.9	14.5	0.5 - 0.8 - 1.5	33	35	29	24	11	-	
	700	137	0.049	0.079	2 - 3 - 5	17	3.56	65	12.1	19.7	0.6 - 0.9 - 1.7	35	38	32	29	19	-	
	800	157	0.064	0.104	2 - 4 - 6	22	4.06	74	15.8	25.8	0.7 - 1.1 - 1.8	36	40	36	33	25	12	
	900	176	0.081	0.131	3 - 4 - 6	26	4.57	83	20.1	32.6	0.8 - 1.2 - 1.9	37	41	39	37	30	17	
	1000	196	0.099	0.162	3 - 4 - 7	30	5.08	93	24.8	40.3	0.9 - 1.3 - 2.0	38	43	41	40	35	22	
	1100	216	0.120	0.196	3 - 5 - 7	33	5.59	102	30.0	48.7	1.0 - 1.5 - 2.1	39	44	43	43	40	27	

IP/METRIC DATA: 6500, 56500, 12"x24" PANEL, 1 - 3-WAY (NO DAMPER)

	IP Data					NC	Metric Data				
	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw		Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw
	FPM	CFM	ft	ft	ft		m/s	L/s	m	m	m
6"	300	59	4 - 8 - 15	2 - 4 - 10	2 - 5 - 11	-	1.52	28	1.2 - 2.3 - 4.6	0.5 - 1.2 - 3.2	0.7 - 1.6 - 3.3
	400	78	7 - 10 - 20	3 - 7 - 14	4 - 7 - 14	-	2.03	37	2.0 - 3.1 - 6.1	0.9 - 2.1 - 4.2	1.3 - 2.2 - 4.3
	500	98	8 - 13 - 24	5 - 9 - 17	6 - 9 - 18	-	2.54	46	2.6 - 3.8 - 7.2	1.4 - 2.6 - 5.3	1.8 - 2.7 - 5.4
	600	118	10 - 15 - 26	7 - 10 - 20	7 - 11 - 19	-	3.05	56	3.1 - 4.6 - 7.9	2.1 - 3.2 - 6.2	2.2 - 3.3 - 5.9
	700	137	12 - 18 - 28	8 - 12 - 22	8 - 12 - 21	-	3.56	65	3.6 - 5.4 - 8.5	2.5 - 3.7 - 6.7	2.5 - 3.8 - 6.4
	800	157	13 - 20 - 30	9 - 14 - 23	10 - 14 - 22	-	4.06	74	4.1 - 6.1 - 9.1	2.8 - 4.2 - 7.1	2.9 - 4.3 - 6.8
	900	176	15 - 22 - 32	10 - 16 - 25	11 - 16 - 24	-	4.57	83	4.6 - 6.8 - 9.6	3.2 - 4.7 - 7.6	3.3 - 4.9 - 7.2
	1000	196	17 - 24 - 33	12 - 17 - 26	12 - 18 - 25	-	5.08	93	5.1 - 7.2 - 10.2	3.5 - 5.3 - 8.0	3.6 - 5.4 - 7.6
	1100	216	18 - 25 - 35	13 - 19 - 28	13 - 19 - 26	-	5.59	102	5.6 - 7.5 - 10.6	3.9 - 5.8 - 8.4	4.0 - 5.7 - 8.0

NOTE: See pages C1-34 and C1-35 for notes.

6500, 56500 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6500, 56500, 16"x16" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB					
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw		Neck Vel	Air Flow	Ps	Pt	4-Way Throw						
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m						
												2	3	4	5	6	7
6"	300	59	0.008	0.014	1 - 2 - 6	-	1.52	28	2.1	3.5	0.3 - 0.7 - 1.8	23	26	16	-	-	-
	400	78	0.015	0.025	2 - 4 - 8	-	2.03	37	3.7	6.1	0.6 - 1.2 - 2.4	27	30	22	16	-	-
	500	98	0.023	0.038	3 - 5 - 9	-	2.54	46	5.7	9.6	0.9 - 1.5 - 2.7	30	33	27	23	-	-
	600	118	0.033	0.055	4 - 6 - 10	15	3.05	56	8.2	13.8	1.2 - 1.8 - 2.9	32	36	31	28	17	-
	700	137	0.045	0.075	5 - 7 - 10	20	3.56	65	11.2	18.8	1.4 - 2.1 - 3.2	34	38	34	33	23	-
	800	157	0.059	0.099	5 - 8 - 11	24	4.06	74	14.6	24.5	1.6 - 2.4 - 3.4	36	40	37	37	29	14
	900	176	0.074	0.125	6 - 8 - 12	28	4.57	83	18.5	31.1	1.8 - 2.5 - 3.6	37	42	40	40	33	19
	1000	196	0.092	0.154	7 - 9 - 12	31	5.08	93	22.8	38.3	2.0 - 2.7 - 3.8	39	43	42	43	37	24
8"	1100	216	0.111	0.186	7 - 9 - 13	34	5.59	102	27.6	46.4	2.2 - 2.8 - 4.0	40	45	44	46	41	28
	200	70	0.004	0.006	1 - 1 - 5	-	1.02	33	0.9	1.5	0.2 - 0.4 - 1.6	23	25	14	-	-	-
	300	105	0.008	0.014	1 - 3 - 8	-	1.52	49	2.1	3.5	0.4 - 1.0 - 2.4	28	31	23	16	-	-
	400	140	0.015	0.025	3 - 5 - 10	12	2.03	66	3.7	6.1	0.8 - 1.6 - 3.2	32	35	29	25	14	-
	500	175	0.023	0.038	4 - 7 - 12	20	2.54	82	5.7	9.6	1.2 - 2.0 - 3.6	34	39	34	31	22	-
	600	209	0.033	0.055	5 - 8 - 13	25	3.05	99	8.2	13.8	1.6 - 2.4 - 3.9	37	41	37	37	29	14
	700	244	0.045	0.075	6 - 9 - 14	30	3.56	115	11.2	18.8	1.8 - 2.8 - 4.2	39	44	41	41	35	20
	800	279	0.059	0.099	7 - 10 - 15	34	4.06	132	14.6	24.5	2.1 - 3.2 - 4.5	41	46	44	45	40	26
10"	900	314	0.074	0.125	8 - 11 - 16	38	4.57	148	18.5	31.1	2.4 - 3.4 - 4.8	42	47	46	49	45	31
	1000	349	0.092	0.154	9 - 12 - 17	42	5.08	165	22.8	38.3	2.6 - 3.6 - 5.1	43	49	48	52	49	36
	200	109	0.004	0.006	1 - 2 - 7	-	1.02	51	0.9	1.5	0.2 - 0.5 - 2.0	26	29	19	11	-	-
	300	164	0.008	0.014	2 - 4 - 10	11	1.52	77	2.1	3.5	0.5 - 1.2 - 3.0	31	35	28	23	12	-
	400	218	0.015	0.025	3 - 7 - 13	20	2.03	103	3.7	6.1	1.0 - 2.0 - 4.0	35	39	34	31	23	-
	500	273	0.023	0.038	5 - 8 - 15	27	2.54	129	5.7	9.6	1.5 - 2.5 - 4.5	38	43	39	38	31	15
	600	327	0.033	0.055	7 - 10 - 16	33	3.05	154	8.2	13.8	2.0 - 3.0 - 4.9	40	45	43	43	38	23
	650	354	0.039	0.065	7 - 11 - 17	36	3.30	167	9.6	16.2	2.1 - 3.2 - 5.1	41	47	44	46	41	26
	700	382	0.045	0.075	8 - 11 - 17	38	3.56	180	11.2	18.8	2.3 - 3.5 - 5.3	42	48	46	48	44	29
	750	409	0.052	0.087	8 - 12 - 18	40	3.81	193	12.8	21.6	2.5 - 3.7 - 5.5	43	49	47	50	47	32
	800	436	0.059	0.099	9 - 13 - 19	42	4.06	206	14.6	24.5	2.6 - 4.0 - 5.7	44	50	49	52	49	35

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, re 10^{-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. The throw values given for 4-Way Throw is for [Total CFM/4] CFM per side (L/s). See Krueger's selection software for performance data not shown, including octave band data.

6500, 56500 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6500, 56500, 16"x16" PANEL, 1 - 3-WAY (NO DAMPER)

	IP Data					Metric Data				
	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw
	FPM	CFM	ft	ft	ft	m/s	L/s	m	m	m
6"	300	59	1 - 3 - 10	1 - 3 - 8	1 - 3 - 7	1.52	28	0.4 - 0.8 - 3.0	0.4 - 0.9 - 2.4	0.4 - 0.9 - 2.0
	400	78	2 - 5 - 13	2 - 5 - 11	2 - 4 - 9	2.03	37	0.6 - 1.4 - 4.0	0.7 - 1.6 - 3.2	0.7 - 1.4 - 2.7
	500	98	3 - 7 - 17	4 - 7 - 13	3 - 6 - 11	2.54	46	1.0 - 2.2 - 5.0	1.1 - 2.0 - 3.8	1.0 - 1.7 - 3.4
	600	118	5 - 10 - 20	5 - 8 - 14	4 - 7 - 13	3.05	56	1.4 - 3.0 - 6.0	1.6 - 2.4 - 4.2	1.4 - 2.0 - 4.0
	700	137	6 - 12 - 23	6 - 9 - 15	5 - 8 - 14	3.56	65	1.9 - 3.5 - 6.9	1.9 - 2.8 - 4.5	1.6 - 2.4 - 4.4
	800	157	8 - 13 - 24	7 - 11 - 16	6 - 9 - 15	4.06	74	2.5 - 4.0 - 7.4	2.1 - 3.2 - 4.8	1.8 - 2.7 - 4.7
	900	176	10 - 15 - 26	8 - 12 - 17	7 - 10 - 16	4.57	83	3.0 - 4.5 - 7.8	2.4 - 3.6 - 5.1	2.0 - 3.0 - 5.0
	1000	196	11 - 17 - 27	9 - 13 - 18	7 - 11 - 17	5.08	93	3.4 - 5.0 - 8.2	2.7 - 3.8 - 5.4	2.3 - 3.4 - 5.2
	1100	216	12 - 18 - 28	10 - 13 - 19	8 - 12 - 18	5.59	102	3.7 - 5.5 - 8.6	2.9 - 4.0 - 5.7	2.5 - 3.7 - 5.5
8"	200	70	1 - 2 - 6	1 - 2 - 7	1 - 2 - 6	1.02	33	0.2 - 0.5 - 1.9	0.2 - 0.5 - 2.1	0.2 - 0.5 - 1.8
	300	105	2 - 4 - 13	2 - 4 - 11	2 - 4 - 9	1.52	49	0.5 - 1.1 - 4.0	0.5 - 1.2 - 3.2	0.5 - 1.1 - 2.7
	400	140	3 - 6 - 18	3 - 7 - 14	3 - 6 - 12	2.03	66	0.8 - 1.9 - 5.4	0.9 - 2.1 - 4.3	0.9 - 1.8 - 3.6
	500	175	4 - 10 - 22	5 - 9 - 17	5 - 7 - 15	2.54	82	1.3 - 3.0 - 6.7	1.5 - 2.7 - 5.1	1.4 - 2.3 - 4.5
	600	209	6 - 13 - 26	7 - 11 - 18	6 - 9 - 18	3.05	99	1.9 - 4.0 - 8.1	2.1 - 3.2 - 5.6	1.8 - 2.7 - 5.4
	700	244	9 - 15 - 30	8 - 12 - 20	7 - 10 - 19	3.56	115	2.6 - 4.7 - 9.2	2.5 - 3.8 - 6.0	2.1 - 3.2 - 5.8
	800	279	11 - 18 - 32	9 - 14 - 21	8 - 12 - 21	4.06	132	3.4 - 5.4 - 9.8	2.9 - 4.3 - 6.4	2.4 - 3.6 - 6.2
	900	314	13 - 20 - 34	11 - 16 - 23	9 - 13 - 22	4.57	148	4.0 - 6.0 - 10.4	3.2 - 4.8 - 6.8	2.7 - 4.1 - 6.6
	1000	349	15 - 22 - 36	12 - 17 - 24	10 - 15 - 23	5.08	165	4.5 - 6.7 - 11.0	3.6 - 5.1 - 7.2	3.0 - 4.5 - 7.0
10"	200	109	1 - 2 - 8	1 - 2 - 9	1 - 2 - 7	1.02	51	0.3 - 0.6 - 2.4	0.3 - 0.7 - 2.7	0.3 - 0.6 - 2.3
	300	164	2 - 4 - 17	2 - 5 - 13	2 - 5 - 11	1.52	77	0.6 - 1.3 - 5.0	0.7 - 1.5 - 4.0	0.6 - 1.4 - 3.4
	400	218	3 - 8 - 22	4 - 9 - 18	4 - 7 - 15	2.03	103	1.1 - 2.4 - 6.7	1.2 - 2.7 - 5.4	1.1 - 2.3 - 4.5
	500	273	5 - 12 - 28	6 - 11 - 21	6 - 9 - 19	2.54	129	1.7 - 3.7 - 8.4	1.9 - 3.3 - 6.4	1.8 - 2.8 - 5.6
	600	327	8 - 17 - 33	9 - 13 - 23	7 - 11 - 22	3.05	154	2.4 - 5.0 - 10.1	2.7 - 4.0 - 7.0	2.3 - 3.4 - 6.8
	650	354	9 - 18 - 36	10 - 14 - 24	8 - 12 - 23	3.30	167	2.8 - 5.5 - 10.9	2.9 - 4.4 - 7.3	2.4 - 3.7 - 7.0
	700	382	11 - 19 - 38	10 - 15 - 25	9 - 13 - 24	3.56	180	3.3 - 5.9 - 11.5	3.1 - 4.7 - 7.5	2.6 - 3.9 - 7.3
	750	409	12 - 21 - 39	11 - 17 - 26	9 - 14 - 25	3.81	193	3.7 - 6.3 - 11.9	3.3 - 5.0 - 7.8	2.8 - 4.2 - 7.5
	800	436	14 - 22 - 40	12 - 18 - 27	10 - 15 - 26	4.06	206	4.2 - 6.7 - 12.3	3.6 - 5.4 - 8.1	3.0 - 4.5 - 7.8

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. The throw values given for 1-Way Throw is for [Total CFM] CFM per side (L/s). The throw values given for 2-Way Throw is for [Total CFM/2] CFM per side (L/s). The throw values given for 3-Way Throw is for [Total CFM/3] CFM per side (L/s). See Krueger's selection software for performance data not shown, including octave band data.

6500, 56500 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6500, 56500, 20"x20" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data											
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw		Neck Vel	Air Flow	Ps	Pt	4-Way Throw							
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7	
6"	300	59	0.011	0.017	1 - 2 - 5	-	1.52	28	2.8	4.2	0.3 - 0.6 - 1.6	25	28	19	-	-	-	
	400	78	0.020	0.030	2 - 3 - 7	-	2.03	37	4.9	7.4	0.5 - 1.1 - 2.1	29	32	25	17	-	-	
	500	98	0.031	0.046	2 - 4 - 9	-	2.54	46	7.7	11.6	0.7 - 1.3 - 2.6	31	35	29	24	12	-	
	600	118	0.044	0.067	3 - 5 - 9	17	3.05	56	11.1	16.7	1.1 - 1.6 - 2.9	33	38	33	29	20	-	
	700	137	0.061	0.091	4 - 6 - 10	22	3.56	65	15.1	22.7	1.2 - 1.9 - 3.1	35	40	36	34	26	13	
	800	157	0.079	0.119	5 - 7 - 11	26	4.06	74	19.7	29.6	1.4 - 2.1 - 3.3	36	42	39	38	31	18	
	900	176	0.100	0.151	5 - 8 - 12	30	4.57	83	24.9	37.5	1.6 - 2.4 - 3.5	37	44	41	42	36	22	
	1000	196	0.124	0.186	6 - 9 - 12	34	5.08	93	30.8	46.3	1.8 - 2.6 - 3.7	39	45	44	45	40	26	
	1100	216	0.149	0.225	6 - 9 - 13	37	5.59	102	37.2	56.0	2.0 - 2.7 - 3.9	40	47	46	48	44	30	
8"	300	105	0.011	0.017	1 - 3 - 7	-	1.52	49	2.8	4.2	0.4 - 0.8 - 2.1	28	30	22	14	-	-	
	400	140	0.020	0.030	2 - 5 - 9	-	2.03	66	4.9	7.4	0.6 - 1.4 - 2.9	31	34	28	23	11	-	
	500	175	0.031	0.046	3 - 6 - 11	17	2.54	82	7.7	11.6	1.0 - 1.8 - 3.5	34	38	33	29	19	-	
	600	209	0.044	0.067	5 - 7 - 13	23	3.05	99	11.1	16.7	1.4 - 2.1 - 3.8	36	40	37	35	27	14	
	700	244	0.061	0.091	5 - 8 - 14	28	3.56	115	15.1	22.7	1.7 - 2.5 - 4.1	37	42	40	40	33	19	
	800	279	0.079	0.119	6 - 9 - 15	33	4.06	132	19.7	29.6	1.9 - 2.9 - 4.4	39	44	43	44	38	25	
	900	314	0.100	0.151	7 - 11 - 15	36	4.57	148	24.9	37.5	2.1 - 3.2 - 4.7	40	46	45	47	43	29	
	1000	349	0.124	0.186	8 - 11 - 16	40	5.08	165	30.8	46.3	2.4 - 3.5 - 4.9	41	47	47	51	47	33	
	1050	366	0.136	0.205	8 - 12 - 17	42	5.33	173	33.9	51.0	2.5 - 3.6 - 5.1	42	48	48	52	49	35	
10"	200	109	0.005	0.007	1 - 1 - 6	-	1.02	51	1.2	1.9	0.2 - 0.4 - 1.8	26	26	17	-	-	-	
	300	164	0.011	0.017	1 - 3 - 9	-	1.52	77	2.8	4.2	0.4 - 1.0 - 2.7	30	32	25	18	-	-	
	400	218	0.020	0.030	3 - 6 - 12	14	2.03	103	4.9	7.4	0.8 - 1.8 - 3.6	33	36	31	27	16	-	
	500	273	0.031	0.046	4 - 7 - 14	22	2.54	129	7.7	11.6	1.2 - 2.2 - 4.4	36	39	36	34	25	12	
	600	327	0.044	0.067	6 - 9 - 16	28	3.05	154	11.1	16.7	1.8 - 2.7 - 4.8	38	42	39	39	32	19	
	700	382	0.061	0.091	7 - 10 - 17	33	3.56	180	15.1	22.7	2.1 - 3.1 - 5.2	39	44	43	44	38	25	
	750	409	0.070	0.105	7 - 11 - 18	35	3.81	193	17.3	26.0	2.2 - 3.3 - 5.3	40	45	44	46	41	27	
	800	436	0.079	0.119	8 - 12 - 18	37	4.06	206	19.7	29.6	2.4 - 3.6 - 5.5	41	46	45	48	44	30	
	900	491	0.100	0.151	9 - 13 - 19	41	4.57	231	24.9	37.5	2.7 - 4.0 - 5.9	42	47	48	52	49	34	
12"	200	157	0.005	0.007	1 - 2 - 7	-	1.02	74	1.2	1.9	0.2 - 0.5 - 2.1	27	27	19	-	-	-	
	300	235	0.011	0.017	2 - 4 - 11	-	1.52	111	2.8	4.2	0.5 - 1.2 - 3.2	32	33	27	22	-	-	
	400	314	0.020	0.030	3 - 7 - 14	19	2.03	148	4.9	7.4	0.9 - 2.1 - 4.3	35	37	33	31	20	-	
	500	392	0.031	0.046	5 - 9 - 17	26	2.54	185	7.7	11.6	1.5 - 2.7 - 5.2	37	40	38	38	29	16	
	600	471	0.044	0.067	7 - 11 - 19	32	3.05	222	11.1	16.7	2.1 - 3.2 - 5.7	39	43	42	43	37	23	
	650	510	0.052	0.079	8 - 11 - 20	35	3.30	241	13.0	19.6	2.3 - 3.5 - 6.0	40	44	43	46	40	26	
	700	549	0.061	0.091	8 - 12 - 20	37	3.56	259	15.1	22.7	2.5 - 3.7 - 6.2	41	45	45	48	43	29	
	750	589	0.070	0.105	9 - 13 - 21	39	3.81	278	17.3	26.0	2.7 - 4.0 - 6.4	42	46	46	50	46	31	
	800	628	0.079	0.119	9 - 14 - 22	41	4.06	296	19.7	29.6	2.9 - 4.3 - 6.6	43	47	48	52	48	34	

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, re 10⁻¹² 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. The throw values given for 4-Way Throw is for [Total CFM/4] CFM per side (L/s). See Krueger's selection software for performance data not shown, including octave band data.

6500, 56500 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6500, 56500, 20"x20" PANEL, 1 - 3-WAY (NO DAMPER)

	IP Data					Metric Data				
	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw
	FPM	CFM	ft	ft	ft	m/s	L/s	m	m	m
6"	300	59	2 - 4 - 11	1 - 3 - 7	1 - 2 - 7	1.52	28	0.5 - 1.2 - 3.2	0.3 - 0.8 - 2.1	0.3 - 0.7 - 2.0
	400	78	3 - 7 - 14	2 - 4 - 9	2 - 4 - 9	2.03	37	0.9 - 2.1 - 4.3	0.6 - 1.4 - 2.7	0.5 - 1.2 - 2.7
	500	98	5 - 9 - 16	3 - 6 - 11	3 - 6 - 11	2.54	46	1.5 - 2.7 - 4.9	1.0 - 1.7 - 3.4	0.8 - 1.7 - 3.3
	600	118	7 - 11 - 18	4 - 7 - 13	4 - 7 - 13	3.05	56	2.1 - 3.2 - 5.3	1.4 - 2.1 - 4.1	1.2 - 2.0 - 4.0
	700	137	8 - 12 - 19	5 - 8 - 15	5 - 8 - 15	3.56	65	2.5 - 3.7 - 5.8	1.6 - 2.4 - 4.5	1.6 - 2.3 - 4.5
	800	157	9 - 14 - 20	6 - 9 - 16	6 - 9 - 16	4.06	74	2.9 - 4.3 - 6.2	1.8 - 2.7 - 4.8	1.8 - 2.7 - 4.8
	900	176	11 - 15 - 22	7 - 10 - 17	7 - 10 - 17	4.57	83	3.2 - 4.6 - 6.5	2.1 - 3.1 - 5.1	2.0 - 3.0 - 5.1
	1000	196	12 - 16 - 23	7 - 11 - 18	7 - 11 - 18	5.08	93	3.6 - 4.9 - 6.9	2.3 - 3.4 - 5.3	2.2 - 3.3 - 5.4
	1100	216	13 - 17 - 24	8 - 12 - 18	8 - 12 - 19	5.59	102	3.9 - 5.1 - 7.2	2.5 - 3.8 - 5.6	2.5 - 3.7 - 5.6
8"	300	105	2 - 5 - 14	2 - 3 - 9	1 - 3 - 9	1.52	49	0.7 - 1.6 - 4.3	0.5 - 1.0 - 2.7	0.4 - 0.9 - 2.7
	400	140	4 - 9 - 19	3 - 6 - 12	2 - 5 - 12	2.03	66	1.3 - 2.8 - 5.7	0.8 - 1.8 - 3.6	0.7 - 1.6 - 3.6
	500	175	6 - 12 - 21	4 - 8 - 15	4 - 7 - 15	2.54	82	2.0 - 3.6 - 6.5	1.3 - 2.3 - 4.6	1.1 - 2.2 - 4.5
	600	209	9 - 14 - 23	6 - 9 - 18	5 - 9 - 18	3.05	99	2.8 - 4.3 - 7.1	1.8 - 2.7 - 5.5	1.6 - 2.7 - 5.4
	700	244	11 - 16 - 25	7 - 11 - 20	7 - 10 - 20	3.56	115	3.3 - 5.0 - 7.7	2.1 - 3.2 - 6.0	2.1 - 3.1 - 6.0
	800	279	13 - 19 - 27	8 - 12 - 21	8 - 12 - 21	4.06	132	3.8 - 5.7 - 8.2	2.4 - 3.6 - 6.4	2.4 - 3.6 - 6.4
	900	314	14 - 20 - 29	9 - 14 - 22	9 - 13 - 22	4.57	148	4.3 - 6.2 - 8.7	2.7 - 4.1 - 6.8	2.7 - 4.0 - 6.8
	1000	349	16 - 21 - 30	10 - 15 - 23	10 - 15 - 24	5.08	165	4.8 - 6.5 - 9.2	3.0 - 4.6 - 7.1	3.0 - 4.5 - 7.2
	1050	366	16 - 22 - 31	11 - 16 - 24	10 - 15 - 24	5.33	173	5.0 - 6.7 - 9.4	3.2 - 4.8 - 7.3	3.1 - 4.7 - 7.3
10"	200	109	1 - 3 - 12	1 - 2 - 7	1 - 2 - 7	1.02	51	0.4 - 0.9 - 3.5	0.3 - 0.6 - 2.3	0.2 - 0.5 - 2.0
	300	164	3 - 7 - 18	2 - 4 - 11	2 - 4 - 11	1.52	77	0.9 - 2.0 - 5.4	0.6 - 1.3 - 3.4	0.5 - 1.1 - 3.4
	400	218	5 - 12 - 23	3 - 7 - 15	3 - 7 - 15	2.03	103	1.6 - 3.5 - 7.1	1.0 - 2.3 - 4.6	0.9 - 2.0 - 4.5
	500	273	8 - 15 - 27	5 - 9 - 19	5 - 9 - 18	2.54	129	2.5 - 4.5 - 8.1	1.6 - 2.8 - 5.7	1.4 - 2.8 - 5.6
	600	327	12 - 18 - 29	7 - 11 - 22	7 - 11 - 22	3.05	154	3.5 - 5.4 - 8.9	2.3 - 3.4 - 6.8	2.0 - 3.4 - 6.7
	700	382	14 - 21 - 32	9 - 13 - 25	9 - 13 - 25	3.56	180	4.2 - 6.2 - 9.6	2.7 - 4.0 - 7.5	2.6 - 3.9 - 7.5
	750	409	15 - 22 - 33	9 - 14 - 25	9 - 14 - 26	3.81	193	4.5 - 6.7 - 10.0	2.8 - 4.3 - 7.7	2.8 - 4.2 - 7.8
	800	436	16 - 23 - 34	10 - 15 - 26	10 - 15 - 26	4.06	206	4.8 - 7.1 - 10.3	3.0 - 4.6 - 8.0	3.0 - 4.5 - 8.0
	900	491	18 - 25 - 36	11 - 17 - 28	11 - 17 - 28	4.57	231	5.4 - 7.7 - 10.9	3.4 - 5.1 - 8.4	3.4 - 5.0 - 8.5
12"	200	157	2 - 3 - 14	1 - 2 - 9	1 - 2 - 8	1.02	74	0.5 - 1.1 - 4.3	0.3 - 0.7 - 2.7	0.3 - 0.6 - 2.4
	300	235	3 - 8 - 21	2 - 5 - 13	2 - 4 - 13	1.52	111	1.1 - 2.4 - 6.4	0.7 - 1.6 - 4.1	0.6 - 1.4 - 4.0
	400	314	6 - 14 - 28	4 - 9 - 18	4 - 8 - 18	2.03	148	1.9 - 4.3 - 8.6	1.2 - 2.7 - 5.5	1.1 - 2.4 - 5.4
	500	392	10 - 18 - 32	6 - 11 - 22	6 - 11 - 22	2.54	185	3.0 - 5.4 - 9.8	1.9 - 3.4 - 6.8	1.7 - 3.4 - 6.7
	600	471	14 - 21 - 35	9 - 13 - 27	8 - 13 - 26	3.05	222	4.3 - 6.4 - 10.7	2.7 - 4.1 - 8.2	2.4 - 4.0 - 8.0
	650	510	15 - 23 - 37	10 - 15 - 28	9 - 14 - 29	3.30	241	4.6 - 7.0 - 11.1	3.0 - 4.4 - 8.6	2.8 - 4.4 - 8.7
	700	549	16 - 25 - 38	10 - 16 - 29	10 - 15 - 30	3.56	259	5.0 - 7.5 - 11.5	3.2 - 4.8 - 8.9	3.1 - 4.7 - 9.0
	750	589	18 - 26 - 39	11 - 17 - 30	11 - 17 - 31	3.81	278	5.4 - 8.0 - 11.9	3.4 - 5.1 - 9.3	3.4 - 5.0 - 9.3
	800	628	19 - 28 - 41	12 - 18 - 31	12 - 18 - 32	4.06	296	5.7 - 8.6 - 12.3	3.6 - 5.5 - 9.6	3.6 - 5.4 - 9.6

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. The throw values given for 1-Way Throw is for [Total CFM] CFM per side (L/s). The throw values given for 2-Way Throw is for [Total CFM/2] CFM per side (L/s). The throw values given for 3-Way Throw is for [Total CFM/3] CFM per side (L/s). See Krueger's selection software for performance data not shown, including octave band data.

6500, 56500 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6500, 56500, 24"x24" PANEL, 4-WAY (NO DAMPER)

	IP Data					NC	Metric Data					Octave Band, dB						
	Neck Vel	Air Flow	Ps	Pt	4-Way Throw		Neck Vel	Air Flow	Ps	Pt	4-Way Throw							
	FPM	CFM	"WG	"WG	ft		m/s	L/s	Pa	Pa	m	2	3	4	5	6	7	
6"	300	59	0.011	0.017	2 - 4 - 9	-	1.52	28	2.7	4.1	0.6 - 1.3 - 2.6	21	21	17	-	-	-	
	400	78	0.020	0.030	3 - 6 - 10	-	2.03	37	4.9	7.4	1.0 - 1.9 - 3.0	24	26	23	-	-	-	
	500	98	0.031	0.046	5 - 8 - 11	-	2.54	46	7.6	11.5	1.6 - 2.4 - 3.4	27	30	28	16	-	-	
	600	118	0.044	0.067	6 - 9 - 12	15	3.05	56	11.0	16.6	1.9 - 2.6 - 3.7	30	33	32	22	-	-	
	700	137	0.060	0.091	7 - 9 - 13	19	3.56	65	15.0	22.6	2.2 - 2.8 - 4.0	32	36	35	27	13	-	
	800	157	0.078	0.118	8 - 10 - 14	22	4.06	74	19.5	29.5	2.5 - 3.0 - 4.3	34	38	38	31	18	-	
	900	176	0.099	0.150	9 - 11 - 15	25	4.57	83	24.7	37.3	2.6 - 3.2 - 4.5	35	40	41	35	23	12	
	1000	196	0.123	0.185	9 - 11 - 16	28	5.08	93	30.5	46.1	2.8 - 3.4 - 4.8	37	42	43	38	28	16	
1100	216	0.148	0.224	10 - 12 - 17	30	5.59	102	36.9	55.7	2.9 - 3.6 - 5.0	38	44	45	41	32	20		
8"	300	105	0.011	0.017	2 - 6 - 12	-	1.52	49	2.7	4.1	0.7 - 1.7 - 3.5	25	24	21	-	-	-	
	400	140	0.020	0.030	4 - 8 - 13	-	2.03	66	4.9	7.4	1.3 - 2.5 - 4.0	28	29	27	15	-	-	
	500	175	0.031	0.046	7 - 10 - 15	15	2.54	82	7.6	11.5	2.1 - 3.2 - 4.5	31	33	32	22	-	-	
	600	209	0.044	0.067	8 - 12 - 16	19	3.05	99	11.0	16.6	2.5 - 3.5 - 5.0	34	36	36	27	13	-	
	700	244	0.060	0.091	10 - 12 - 18	23	3.56	115	15.0	22.6	3.0 - 3.8 - 5.4	36	38	39	32	20	-	
	800	279	0.078	0.118	11 - 13 - 19	27	4.06	132	19.5	29.5	3.3 - 4.0 - 5.7	38	41	42	36	25	15	
	900	314	0.099	0.150	12 - 14 - 20	30	4.57	148	24.7	37.3	3.5 - 4.3 - 6.1	39	43	45	40	30	19	
	1000	349	0.123	0.185	12 - 15 - 21	32	5.08	165	30.5	46.1	3.7 - 4.5 - 6.4	40	45	47	43	35	23	
1100	384	0.148	0.224	13 - 16 - 22	35	5.59	181	36.9	55.7	3.9 - 4.7 - 6.7	42	46	49	46	39	27		
10"	300	164	0.011	0.017	3 - 7 - 14	-	1.52	77	2.7	4.1	0.9 - 2.1 - 4.4	28	26	23	-	-	-	
	400	218	0.020	0.030	5 - 10 - 17	12	2.03	103	4.9	7.4	1.7 - 3.2 - 5.1	31	31	30	19	-	-	
	500	273	0.031	0.046	9 - 13 - 19	18	2.54	129	7.6	11.5	2.6 - 4.0 - 5.7	34	35	35	26	11	-	
	600	327	0.044	0.067	10 - 14 - 20	23	3.05	154	11.0	16.6	3.2 - 4.4 - 6.2	37	38	39	32	19	-	
	700	382	0.060	0.091	12 - 16 - 22	27	3.56	180	15.0	22.6	3.7 - 4.7 - 6.7	39	41	42	36	25	15	
	800	436	0.078	0.118	14 - 17 - 24	30	4.06	206	19.5	29.5	4.1 - 5.1 - 7.2	41	43	45	41	31	20	
	900	491	0.099	0.150	14 - 18 - 25	33	4.57	231	24.7	37.3	4.4 - 5.4 - 7.6	42	45	48	44	36	25	
	1000	545	0.123	0.185	15 - 19 - 26	36	5.08	257	30.5	46.1	4.6 - 5.7 - 8.0	43	47	50	47	40	29	
1100	600	0.148	0.224	16 - 20 - 28	38	5.59	283	36.9	55.7	4.8 - 5.9 - 8.4	45	48	52	50	44	33		
12"	300	235	0.011	0.017	4 - 8 - 17	-	1.52	111	2.7	4.1	1.1 - 2.5 - 5.3	30	27	26	14	-	-	
	400	314	0.020	0.030	7 - 12 - 20	15	2.03	148	4.9	7.4	2.0 - 3.8 - 6.1	34	32	32	23	-	-	
	500	392	0.031	0.046	10 - 16 - 22	21	2.54	185	7.6	11.5	3.1 - 4.7 - 6.8	37	36	37	30	15	-	
	600	471	0.044	0.067	12 - 17 - 24	26	3.05	222	11.0	16.6	3.8 - 5.3 - 7.4	39	40	41	35	23	14	
	700	549	0.060	0.091	15 - 19 - 26	30	3.56	259	15.0	22.6	4.4 - 5.7 - 8.0	41	42	44	40	30	20	
	800	628	0.078	0.118	16 - 20 - 28	33	4.06	296	19.5	29.5	5.0 - 6.1 - 8.6	43	45	47	44	35	25	
	900	706	0.099	0.150	17 - 21 - 30	36	4.57	333	24.7	37.3	5.3 - 6.4 - 9.1	45	47	50	48	40	30	
	1000	785	0.123	0.185	18 - 22 - 32	39	5.08	370	30.5	46.1	5.5 - 6.8 - 9.6	46	48	52	51	45	34	
1100	863	0.148	0.224	19 - 23 - 33	41	5.59	407	36.9	55.7	5.8 - 7.1 - 10.1	47	50	54	54	49	37		
14"	200	214	0.005	0.007	2 - 4 - 15	-	1.02	101	1.2	1.8	0.6 - 1.3 - 4.4	27	22	19	-	-	-	
	300	320	0.011	0.017	4 - 10 - 20	-	1.52	151	2.7	4.1	1.3 - 2.9 - 6.1	32	29	28	17	-	-	
	400	427	0.020	0.030	8 - 15 - 23	18	2.03	202	4.9	7.4	2.3 - 4.4 - 7.1	36	34	34	26	-	-	
	500	534	0.031	0.046	12 - 18 - 26	23	2.54	252	7.6	11.5	3.6 - 5.5 - 7.9	39	38	39	32	19	11	
	600	641	0.044	0.067	15 - 20 - 29	28	3.05	302	11.0	16.6	4.4 - 6.1 - 8.7	41	41	43	38	27	18	
	700	748	0.060	0.091	17 - 22 - 31	32	3.56	353	15.0	22.6	5.2 - 6.6 - 9.4	43	44	46	43	33	24	
	800	855	0.078	0.118	19 - 23 - 33	35	4.06	403	19.5	29.5	5.8 - 7.1 - 10.0	45	46	49	47	39	29	
	900	961	0.099	0.150	20 - 25 - 35	38	4.57	454	24.7	37.3	6.1 - 7.5 - 10.6	47	48	52	51	44	34	
1000	1068	0.123	0.185	21 - 26 - 37	41	5.08	504	30.5	46.1	6.5 - 7.9 - 11.2	48	50	54	54	48	38		
16"	200	279	0.005	0.007	2 - 5 - 17	-	1.02	132	1.2	1.8	0.7 - 1.5 - 5.1	28	23	21	-	-	-	
	300	419	0.011	0.017	5 - 11 - 23	12	1.52	198	2.7	4.1	1.5 - 3.4 - 7.0	34	30	29	19	-	-	
	400	558	0.020	0.030	9 - 17 - 27	20	2.03	263	4.9	7.4	2.6 - 5.1 - 8.1	38	35	36	28	13	-	
	500	698	0.031	0.046	14 - 21 - 30	25	2.54	329	7.6	11.5	4.1 - 6.3 - 9.0	41	39	41	35	22	14	
	600	837	0.044	0.067	17 - 23 - 33	30	3.05	395	11.0	16.6	5.1 - 7.0 - 9.9	43	42	45	41	30	21	
	700	977	0.060	0.091	19 - 25 - 35	34	3.56	461	15.0	22.6	5.9 - 7.6 - 10.7	45	45	48	45	37	27	
	800	1116	0.078	0.118	22 - 27 - 38	38	4.06	527	19.5	29.5	6.6 - 8.1 - 11.4	47	47	51	49	42	32	
	850	1186	0.089	0.134	22 - 27 - 39	39	4.32	560	22.1	33.3	6.8 - 8.3 - 11.8	48	48	52	51	45	35	
900	1256	0.099	0.150	23 - 28 - 40	41	4.57	593	24.7	37.3	7.0 - 8.6 - 12.1	48	49	54	53	47	37		

NOTE: See pages C1-36 for notes.

6500, 56500 (Supply) Performance Data: Horizontal Throw

IP/METRIC DATA: 6500, 56500, 24"x24" PANEL, 1 - 3-WAY (NO DAMPER)

	IP Data					Metric Data				
	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw	Neck Vel	Air Flow	1-Way Throw	2-Way Throw	3-Way Throw
	FPM	CFM	ft	ft	ft	m/s	L/s	m	m	m
6"	300	59	3 - 5 - 11	2 - 5 - 10	2 - 4 - 8	1.52	28	0.8 - 1.6 - 3.2	0.7 - 1.5 - 3.0	0.5 - 1.2 - 2.6
	400	78	5 - 7 - 12	4 - 7 - 11	3 - 6 - 10	2.03	37	1.5 - 2.2 - 3.7	1.2 - 2.1 - 3.5	1.0 - 1.8 - 2.9
	500	98	6 - 9 - 14	6 - 9 - 13	5 - 7 - 11	2.54	46	1.8 - 2.7 - 4.1	1.8 - 2.6 - 3.9	1.5 - 2.2 - 3.3
	600	118	7 - 11 - 15	7 - 10 - 14	6 - 8 - 12	3.05	56	2.2 - 3.2 - 4.5	2.1 - 3.0 - 4.2	1.8 - 2.6 - 3.6
	700	137	8 - 11 - 16	8 - 11 - 15	7 - 9 - 13	3.56	65	2.6 - 3.5 - 4.9	2.5 - 3.2 - 4.6	2.1 - 2.8 - 3.9
	800	157	10 - 12 - 17	9 - 11 - 16	8 - 10 - 14	4.06	74	2.9 - 3.7 - 5.2	2.8 - 3.5 - 4.9	2.4 - 2.9 - 4.2
	900	176	11 - 13 - 18	10 - 12 - 17	8 - 10 - 15	4.57	83	3.2 - 3.9 - 5.5	3.0 - 3.7 - 5.2	2.6 - 3.1 - 4.4
	1000	196	11 - 14 - 19	10 - 13 - 18	9 - 11 - 15	5.08	93	3.4 - 4.1 - 5.8	3.2 - 3.9 - 5.5	2.7 - 3.3 - 4.7
	1100	216	12 - 14 - 20	11 - 13 - 19	9 - 11 - 16	5.59	102	3.5 - 4.3 - 6.1	3.3 - 4.0 - 5.7	2.8 - 3.5 - 4.9
8"	300	105	4 - 7 - 14	3 - 7 - 13	2 - 5 - 11	1.52	49	1.1 - 2.2 - 4.3	0.9 - 2.1 - 4.0	0.7 - 1.6 - 3.4
	400	140	6 - 10 - 16	5 - 9 - 15	4 - 8 - 13	2.03	66	1.9 - 2.9 - 4.9	1.6 - 2.8 - 4.6	1.3 - 2.4 - 3.9
	500	175	8 - 12 - 18	8 - 12 - 17	7 - 10 - 14	2.54	82	2.4 - 3.7 - 5.5	2.3 - 3.5 - 5.1	2.0 - 3.0 - 4.4
	600	209	10 - 14 - 20	9 - 13 - 19	8 - 11 - 16	3.05	99	2.9 - 4.3 - 6.0	2.8 - 4.0 - 5.6	2.4 - 3.4 - 4.8
	700	244	11 - 15 - 21	11 - 14 - 20	9 - 12 - 17	3.56	115	3.4 - 4.6 - 6.5	3.3 - 4.3 - 6.1	2.8 - 3.7 - 5.2
	800	279	13 - 16 - 23	12 - 15 - 21	10 - 13 - 18	4.06	132	3.9 - 4.9 - 7.0	3.7 - 4.6 - 6.5	3.2 - 3.9 - 5.6
	900	314	14 - 17 - 24	13 - 16 - 23	11 - 14 - 19	4.57	148	4.3 - 5.2 - 7.4	4.0 - 4.9 - 6.9	3.4 - 4.2 - 5.9
	1000	349	15 - 18 - 26	14 - 17 - 24	12 - 14 - 20	5.08	165	4.5 - 5.5 - 7.8	4.2 - 5.1 - 7.3	3.6 - 4.4 - 6.2
	1100	384	16 - 19 - 27	15 - 18 - 25	12 - 15 - 21	5.59	181	4.7 - 5.8 - 8.2	4.4 - 5.4 - 7.6	3.8 - 4.6 - 6.5
10"	300	164	4 - 9 - 18	4 - 8 - 16	3 - 7 - 14	1.52	77	1.4 - 2.8 - 5.3	1.1 - 2.6 - 5.0	0.9 - 2.0 - 4.3
	400	218	8 - 12 - 20	7 - 12 - 19	5 - 10 - 16	2.03	103	2.4 - 3.7 - 6.2	2.0 - 3.5 - 5.8	1.6 - 3.0 - 4.9
	500	273	10 - 15 - 23	10 - 14 - 21	8 - 12 - 18	2.54	129	3.1 - 4.6 - 6.9	2.9 - 4.4 - 6.4	2.5 - 3.7 - 5.5
	600	327	12 - 18 - 25	12 - 16 - 23	10 - 14 - 20	3.05	154	3.7 - 5.3 - 7.5	3.5 - 5.0 - 7.0	3.0 - 4.3 - 6.0
	700	382	14 - 19 - 27	13 - 18 - 25	11 - 15 - 21	3.56	180	4.3 - 5.8 - 8.1	4.1 - 5.4 - 7.6	3.5 - 4.6 - 6.5
	800	436	16 - 20 - 29	15 - 19 - 27	13 - 16 - 23	4.06	206	4.9 - 6.2 - 8.7	4.7 - 5.8 - 8.1	4.0 - 4.9 - 6.9
	900	491	18 - 21 - 30	16 - 20 - 28	14 - 17 - 24	4.57	231	5.3 - 6.5 - 9.2	5.0 - 6.1 - 8.6	4.3 - 5.2 - 7.4
	1000	545	18 - 23 - 32	17 - 21 - 30	15 - 18 - 26	5.08	257	5.6 - 6.9 - 9.7	5.3 - 6.4 - 9.1	4.5 - 5.5 - 7.8
	1100	600	19 - 24 - 34	18 - 22 - 31	15 - 19 - 27	5.59	283	5.9 - 7.2 - 10.2	5.5 - 6.7 - 9.5	4.7 - 5.8 - 8.1
12"	300	235	5 - 11 - 21	5 - 10 - 20	4 - 8 - 17	1.52	111	1.6 - 3.3 - 6.4	1.4 - 3.1 - 6.0	1.1 - 2.4 - 5.1
	400	314	10 - 14 - 24	8 - 14 - 23	6 - 12 - 19	2.03	148	2.9 - 4.4 - 7.4	2.4 - 4.2 - 6.9	1.9 - 3.6 - 5.9
	500	392	12 - 18 - 27	12 - 17 - 25	10 - 15 - 22	2.54	185	3.7 - 5.5 - 8.3	3.5 - 5.3 - 7.7	3.0 - 4.5 - 6.6
	600	471	14 - 21 - 30	14 - 20 - 28	12 - 17 - 24	3.05	222	4.4 - 6.4 - 9.0	4.2 - 6.0 - 8.5	3.6 - 5.1 - 7.2
	700	549	17 - 23 - 32	16 - 21 - 30	14 - 18 - 26	3.56	259	5.1 - 6.9 - 9.8	4.9 - 6.5 - 9.1	4.2 - 5.5 - 7.8
	800	628	19 - 24 - 34	18 - 23 - 32	16 - 19 - 27	4.06	296	5.9 - 7.4 - 10.4	5.6 - 6.9 - 9.8	4.8 - 5.9 - 8.3
	900	706	21 - 26 - 36	20 - 24 - 34	17 - 21 - 29	4.57	333	6.4 - 7.8 - 11.1	6.0 - 7.3 - 10.4	5.1 - 6.3 - 8.8
	1000	785	22 - 27 - 38	21 - 25 - 36	18 - 22 - 31	5.08	370	6.7 - 8.3 - 11.7	6.3 - 7.7 - 10.9	5.4 - 6.6 - 9.3
	1100	863	23 - 28 - 40	22 - 27 - 38	19 - 23 - 32	5.59	407	7.1 - 8.7 - 12.2	6.6 - 8.1 - 11.5	5.6 - 6.9 - 9.8
14"	200	214	3 - 6 - 17	2 - 5 - 16	2 - 4 - 14	1.02	101	0.8 - 1.9 - 5.1	0.7 - 1.6 - 4.9	0.6 - 1.3 - 4.2
	300	320	6 - 13 - 25	5 - 12 - 23	4 - 9 - 20	1.52	151	1.9 - 3.9 - 7.5	1.6 - 3.6 - 7.0	1.3 - 2.9 - 6.0
	400	427	11 - 17 - 28	9 - 16 - 27	7 - 14 - 23	2.03	202	3.4 - 5.1 - 8.6	2.9 - 4.9 - 8.1	2.3 - 4.2 - 6.9
	500	534	14 - 21 - 32	13 - 20 - 30	11 - 17 - 25	2.54	252	4.3 - 6.4 - 9.6	4.1 - 6.1 - 9.0	3.5 - 5.2 - 7.7
	600	641	17 - 25 - 35	16 - 23 - 32	14 - 20 - 28	3.05	302	5.1 - 7.5 - 10.6	4.9 - 7.0 - 9.9	4.2 - 6.0 - 8.4
	700	748	20 - 27 - 37	19 - 25 - 35	16 - 21 - 30	3.56	353	6.0 - 8.1 - 11.4	5.7 - 7.5 - 10.7	4.9 - 6.4 - 9.1
	800	855	23 - 28 - 40	22 - 27 - 37	18 - 23 - 32	4.06	403	6.8 - 8.6 - 12.2	6.6 - 8.1 - 11.4	5.6 - 6.9 - 9.7
	900	961	25 - 30 - 43	23 - 28 - 40	20 - 24 - 34	4.57	454	7.5 - 9.1 - 12.9	7.0 - 8.5 - 12.1	6.0 - 7.3 - 10.3
	1000	1068	26 - 32 - 45	24 - 30 - 42	21 - 25 - 36	5.08	504	7.9 - 9.6 - 13.6	7.4 - 9.0 - 12.7	6.3 - 7.7 - 10.9
16"	200	279	3 - 7 - 19	3 - 6 - 18	2 - 5 - 16	1.02	132	1.0 - 2.2 - 5.9	0.8 - 1.8 - 5.6	0.6 - 1.4 - 4.8
	300	419	7 - 14 - 28	6 - 14 - 26	5 - 11 - 22	1.52	198	2.2 - 4.4 - 8.5	1.8 - 4.1 - 8.0	1.4 - 3.3 - 6.8
	400	558	13 - 19 - 32	11 - 18 - 30	8 - 16 - 26	2.03	263	3.9 - 5.9 - 9.8	3.3 - 5.6 - 9.2	2.6 - 4.8 - 7.9
	500	698	16 - 24 - 36	15 - 23 - 34	13 - 20 - 29	2.54	329	4.9 - 7.3 - 11.0	4.7 - 7.0 - 10.3	4.0 - 6.0 - 8.8
	600	837	19 - 28 - 40	18 - 26 - 37	16 - 22 - 32	3.05	395	5.9 - 8.5 - 12.1	5.6 - 8.0 - 11.3	4.8 - 6.8 - 9.6
	700	977	23 - 30 - 43	22 - 28 - 40	18 - 24 - 34	3.56	461	6.8 - 9.2 - 13.0	6.6 - 8.6 - 12.2	5.6 - 7.4 - 10.4
	800	1116	26 - 32 - 46	25 - 30 - 43	21 - 26 - 37	4.06	527	7.8 - 9.8 - 13.9	7.5 - 9.2 - 13.0	6.4 - 7.9 - 11.1
	900	1256	28 - 34 - 49	26 - 32 - 45	22 - 27 - 39	4.57	593	8.5 - 10.4 - 14.8	8.0 - 9.8 - 13.8	6.8 - 8.3 - 11.8
	1000	1395	30 - 36 - 51	28 - 34 - 48	24 - 29 - 41	5.08	658	9.0 - 11.0 - 15.6	8.4 - 10.3 - 14.6	7.2 - 8.8 - 12.4

NOTE: See pages C1-37 for notes.