DMDR

Duct Mounted Grille | Drum Louver, Radius End Caps

INTRODUCTION

The DMDR duct mounted drum louver series delivers air with extremely long throws, which makes them ideally suited for installation in large enclosures. They provide both horizontal and vertical air stream control. Controlling length of throw and its direction is made possible by the adjustable drum and vane design. The long throw is adjusted by the louver vanes while air directional control is obtained by rotating the drum. The drum rotation features angular adjustment of the jet. The ability to mount the DMDR directly to spiral or round duct work without the use of costly transition taps makes the DMDR ideal for exposed ceiling installations.

DMDR
Single Vane

DMDR
Split Vane

MODEL

DMDR - Duct mounted drum louver with radius end cap

FEATURES

- Mounts directly to spiral or round duct
- Easy finger tip adjustment
- Heavy gage aluminum construction
- Foam gasket to seal unit to duct

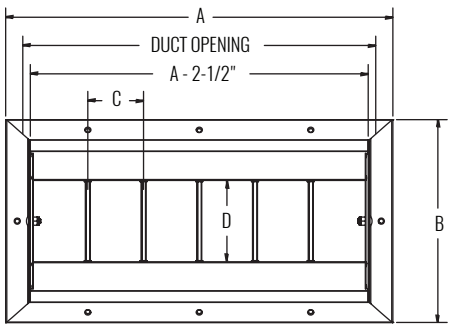
ACCESSORIES

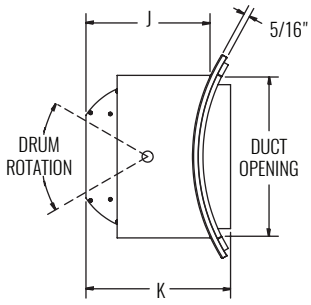
- Damper/Extractor

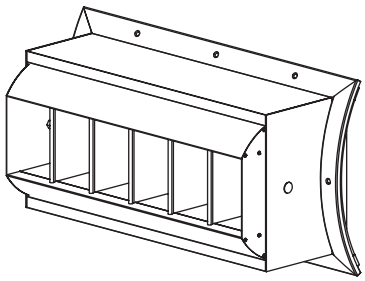
FINISHES

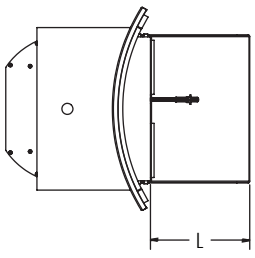
- Standard Finish is #44 British White
- Optional finishes available

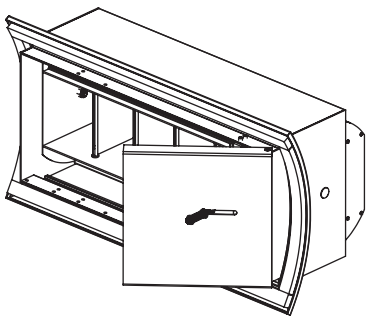
DIMENSIONAL DATA

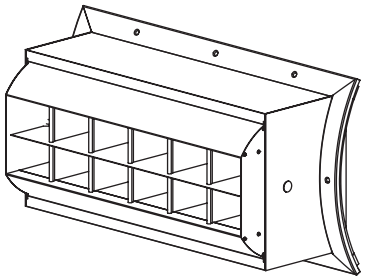












DMDR

Duct Mounted Grille | Drum Louver, Radius End Caps

KRUEGER

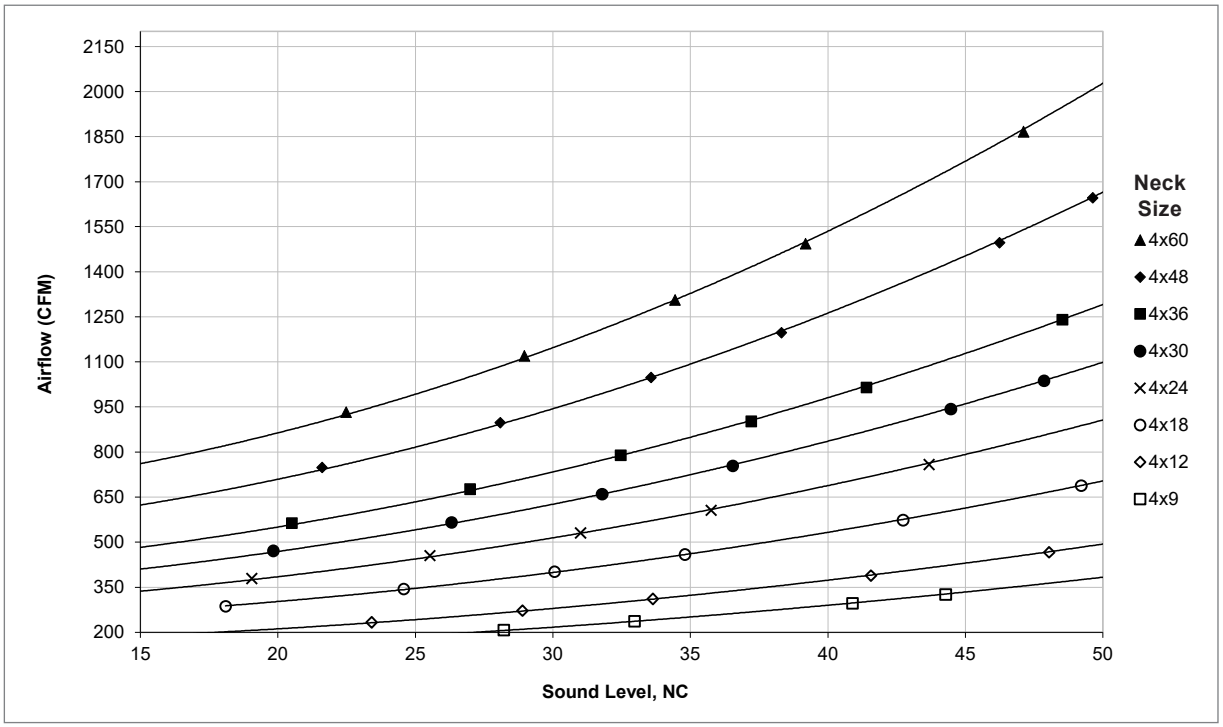
DIMENSIONAL DATA

SIZE (LxH)	B (MAX)	A	BLADE QTY [1]	BLADE QTY [2]	C	D	J	K	L (MAX)	MIN DUCT DIA.	MOUNTING HOLE QTY	DUCT OPENING
12" x 04"	6 1/2"	14 7/8"	3	6	3"	2 3/8"	3 15/16"	5 1/32"	3 3/8"	8"	6	12 1/2" x 4 1/2"
18" x 04"		20 7/8"	5	9							8	18 1/2" x 4 1/2"
24" x 04"		26 7/8"	7	12							10	24 1/2" x 4 1/2"
30" x 04"		32 7/8"	9	15							12	30 1/2" x 4 1/2"
36" x 04"		38 7/8"	11	18							14	36 1/2" x 4 1/2"
42" x 04"		44 7/8"	13	21							16	42 1/2" x 4 1/2"
48" x 04"		50 7/8"	15	24							18	48 1/2" x 4 1/2"
60" x 04"		62 7/8"	19	30							20	60 1/2" x 4 1/2"
12" x 06"	8 1/2"	14 7/8"	3	6	3"	3 3/8"	4 5/32"	5 9/32"	4 1/32"	10"	6	12 1/2" x 6 1/2"
18" x 06"		20 7/8"	5	9							8	18 1/2" x 6 1/2"
24" x 06"		26 7/8"	7	12							10	24 1/2" x 6 1/2"
30" x 06"		32 7/8"	9	15							12	30 1/2" x 6 1/2"
36" x 06"		38 7/8"	11	18							14	36 1/2" x 6 1/2"
42" x 06"		44 7/8"	13	21							16	42 1/2" x 6 1/2"
48" x 06"		50 7/8"	15	24							18	48 1/2" x 6 1/2"
60" x 06"		62 7/8"	19	30							20	60 1/2" x 6 1/2"
12" x 08"	10 1/2"	14 7/8"	3	6	3"	4 3/8"	5 5/8"	6 3/4"	5 11/32"	14"	6	12 1/2" x 8 1/2"
18" x 08"		20 7/8"	5	9							8	18 1/2" x 8 1/2"
24" x 08"		26 7/8"	7	12							10	24 1/2" x 8 1/2"
30" x 08"		32 7/8"	9	15							12	30 1/2" x 8 1/2"
36" x 08"		38 7/8"	11	18							14	38 1/2" x 8 1/2"
42" x 08"		44 7/8"	13	21							16	42 1/2" x 8 1/2"
48" x 08"		50 7/8"	15	24							18	48 1/2" x 8 1/2"
60" x 08"		62 7/8"	19	30							20	60 1/2" x 8 1/2"
12" x 10"	12 1/2"	14 7/8"	2	6	5"	5 7/8"	7 1/8"	8 7/32"	6 21/32"	14"	6	12 1/2" x 10 1/2"
18" x 10"		20 7/8"	3	9							8	18 1/2" x 10 1/2"
24" x 10"		26 7/8"	4	12							10	24 1/2" x 10 1/2"
30" x 10"		32 7/8"	5	15							12	30 1/2" x 10 1/2"
36" x 10"		38 7/8"	6	18							14	38 1/2" x 10 1/2"
42" x 10"		44 7/8"	8	21							16	42 1/2" x 10 1/2"
48" x 10"		50 7/8"	9	24							18	48 1/2" x 10 1/2"
60" x 10"		62 7/8"	11	30							20	60 1/2" x 10 1/2"
12" x 12"	14 1/2"	14 7/8"	2	6	5"	6 7/8"	7 13/16"	8 29/32"	7 31/32"	18"	6	12 1/2" x 12 1/2"
18" x 12"		20 7/8"	3	9							8	18 1/2" x 12 1/2"
24" x 12"		26 7/8"	4	12							10	24 1/2" x 12 1/2"
30" x 12"		32 7/8"	5	15							12	30 1/2" x 12 1/2"
36" x 12"		38 7/8"	6	18							14	38 1/2" x 12 1/2"
42" x 12"		44 7/8"	8	21							16	42 1/2" x 12 1/2"
48" x 12"		50 7/8"	9	24							18	48 1/2" x 12 1/2"
60" x 12"		62 7/8"	11	30							20	60 1/2" x 12 1/2"
15" x 15"	17 1/2"	14 7/8"	2	6	5"	9 13/16"	8 13/32"	9 1/2"	10 11/16"	28"	6	12 1/2" x 15 1/2"
18" x 15"		20 7/8"	3	9							8	18 1/2" x 15 1/2"
24" x 15"		26 7/8"	4	12							10	24 1/2" x 15 1/2"
30" x 15"		32 7/8"	5	15							12	30 1/2" x 15 1/2"
36" x 15"		38 7/8"	6	18							14	38 1/2" x 15 1/2"
42" x 15"		44 7/8"	8	21							16	42 1/2" x 15 1/2"
48" x 15"		50 7/8"	9	24							18	48 1/2" x 15 1/2"
60" x 15"		62 7/8"	11	30							20	60 1/2" x 15 1/2"

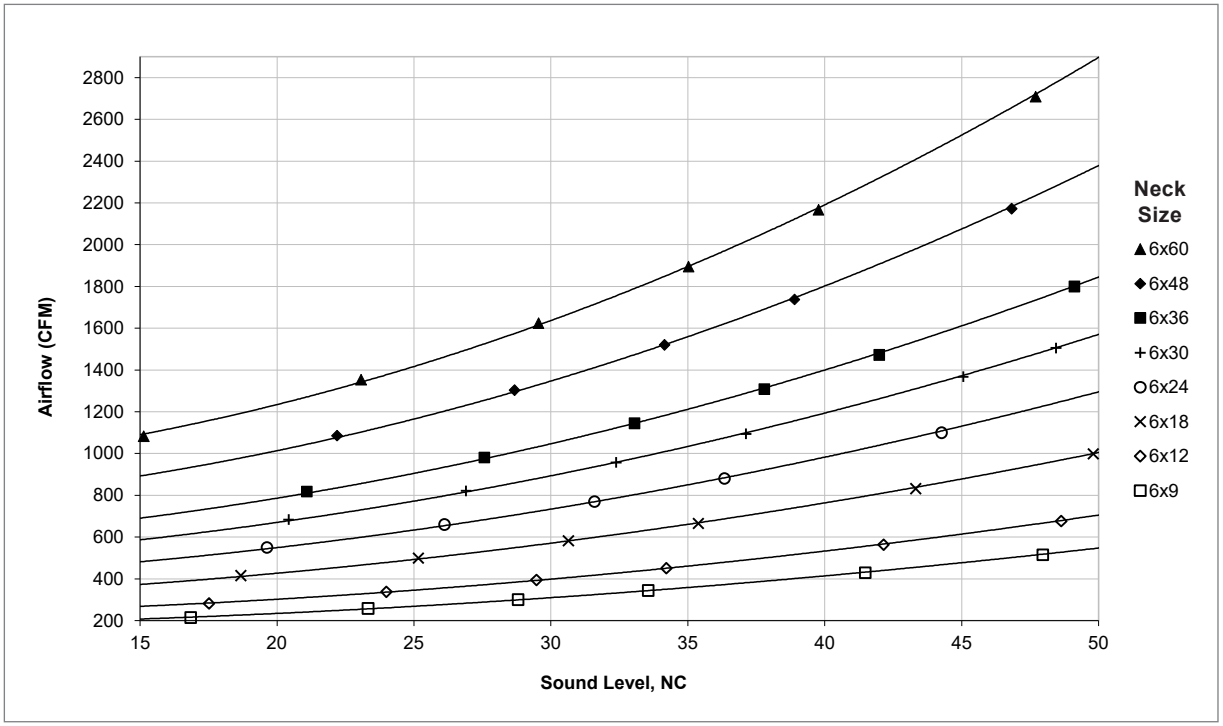
NOTES: Minimum duct diameters for each unit height are listed. Diameters may be specified in 2" increments to a maximum duct diameter of 36". Unit may be selected with C [1] or C [2] blade spacing

SOUND CHARTS

AIRFLOW VS. NC LEVEL: 4" (NO DAMPER)

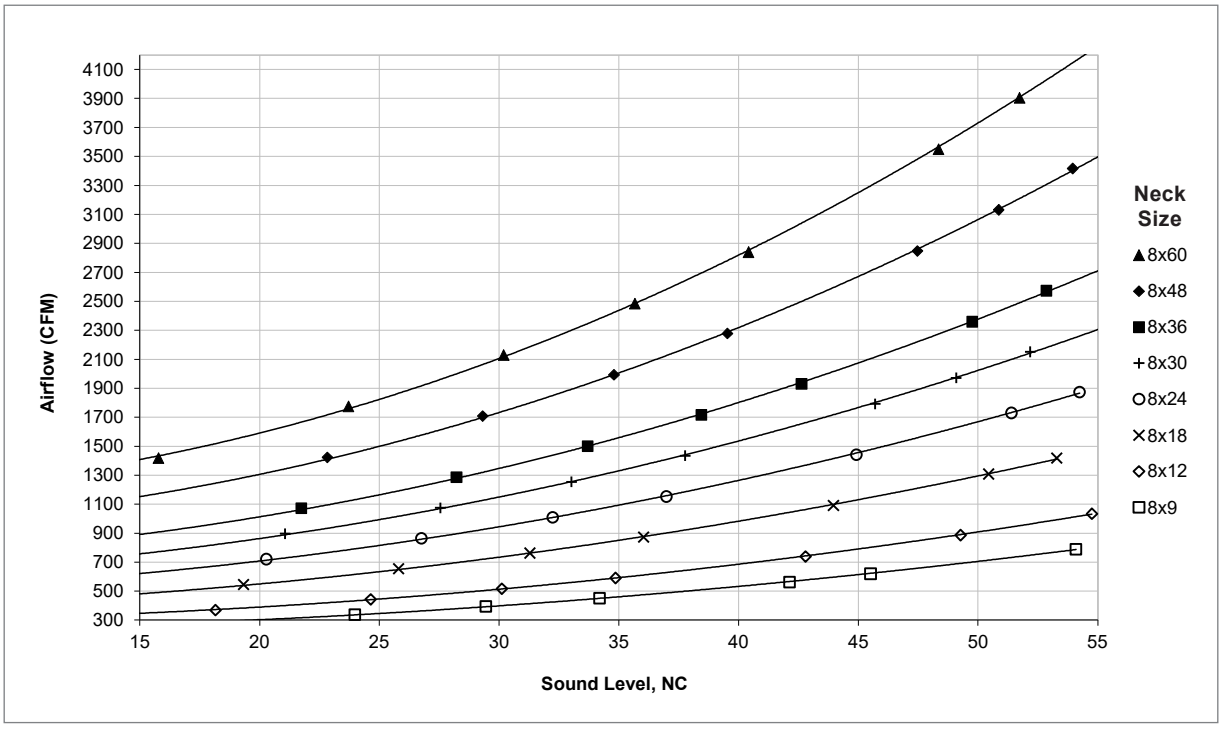


AIRFLOW VS. NC LEVEL: 6" (NO DAMPER)

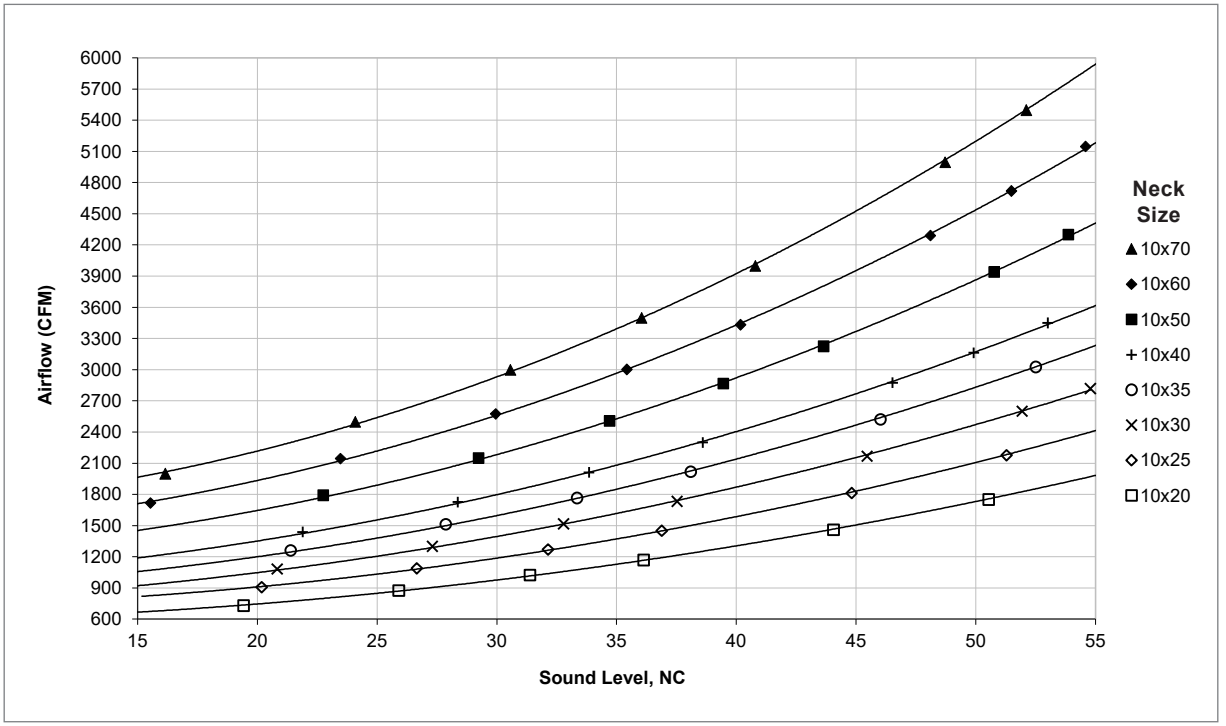


SOUND CHARTS

AIRFLOW VS. NC LEVEL: 8" (NO DAMPER)

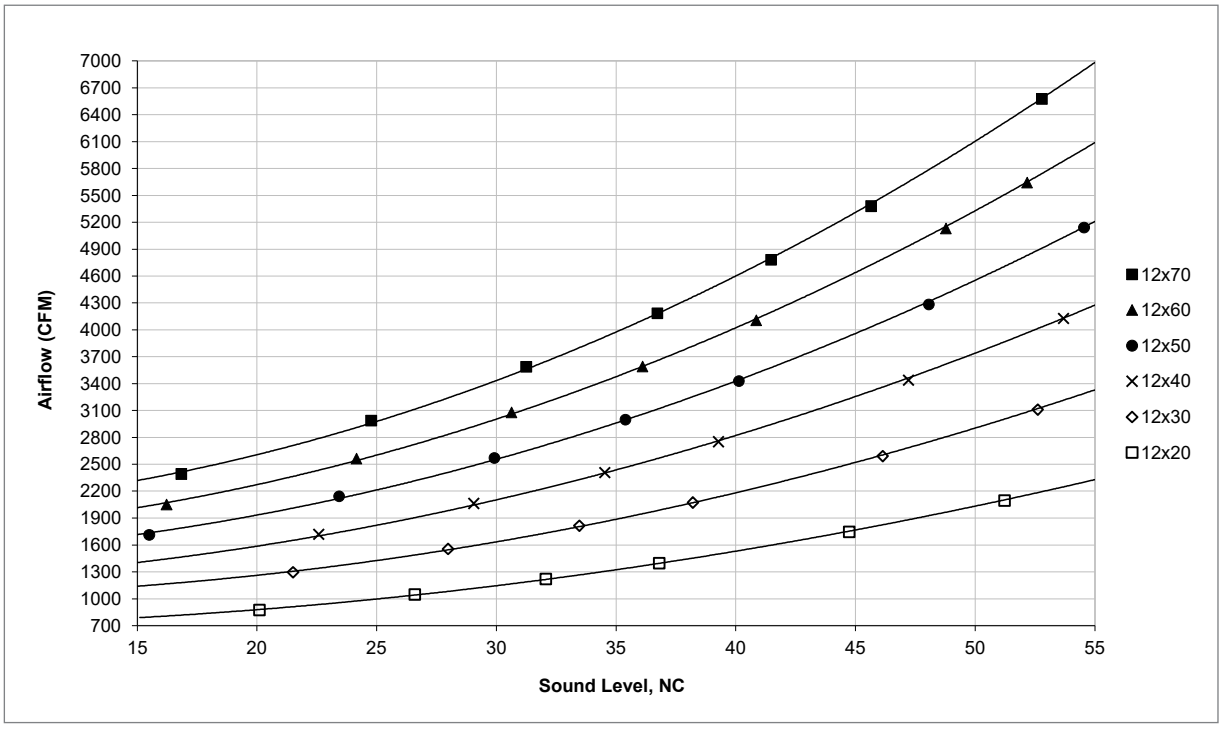


AIRFLOW VS. NC LEVEL: 10" (NO DAMPER)

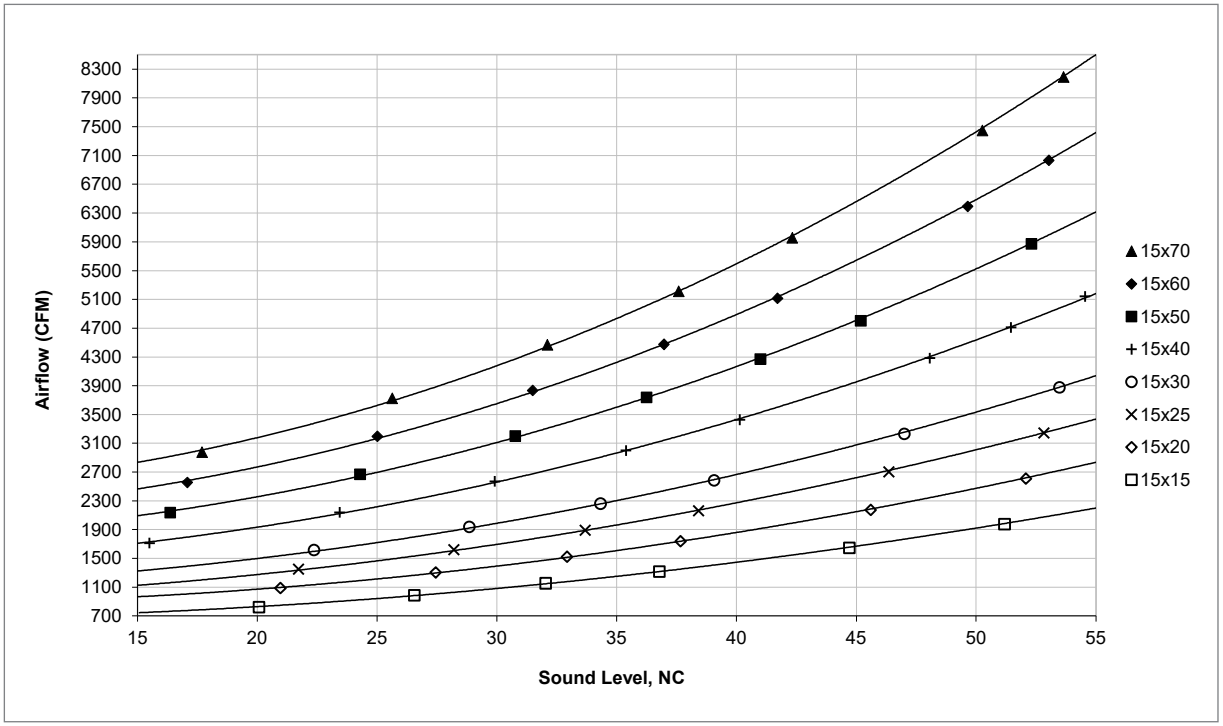


SOUND CHARTS

AIRFLOW VS. NC LEVEL: 12" (NO DAMPER)



AIRFLOW VS. NC LEVEL: 15" (NO DAMPER)



PERFORMANCE DATA | 4" LOUVER (NO DAMPER)

LISTED SIZE (H x W)	IP DATA				NC	METRIC SIZE (H x W)	METRIC DATA				OCTAVE BAND, dB					
	DUCT VEL	AIR FLOW	Pt	THROW			DUCT VEL	AIR FLOW	Pt	THROW						
in.	FPM	CFM	"WG	ft		mm	m/s	L/s	Pa	m	2	3	4	5	6	7
4" x 9"	300	89	.036	1 - 3 - 11	-	102 x 229	1.52	42	9.1	0.4 - 0.9 - 3.4	22	19	17	-	-	-
	400	119	.065	2 - 5 - 15	-		2.03	56	16.1	0.7 - 1.6 - 4.6	30	27	25	20	15	-
	500	148	.101	4 - 8 - 19	16		2.54	70	25.2	1.1 - 2.5 - 5.7	36	33	32	28	24	11
	600	178	.146	5 - 11 - 23	23		3.05	84	36.3	1.6 - 3.4 - 6.9	41	38	37	34	31	19
	700	207	.199	7 - 13 - 26	28		3.56	98	49.4	2.2 - 4.0 - 7.9	45	42	42	40	38	26
	800	237	.259	9 - 15 - 28	33		4.06	112	64.6	2.8 - 4.6 - 8.4	49	46	46	44	43	31
	1000	296	.405	13 - 19 - 31	41		5.08	140	100.9	3.8 - 5.7 - 9.4	55	52	52	52	52	41
	1100	326	.490	14 - 21 - 33	44		5.59	154	122.1	4.2 - 6.3 - 9.9	58	55	55	56	56	45
	1400	415	.794	18 - 26 - 37	53		7.11	196	197.8	5.3 - 7.9 - 11.2	65	62	62	64	66	55
4" x 12"	300	117	.036	2 - 5 - 15	-	102 x 305	1.52	55	9.1	0.7 - 1.5 - 4.5	22	19	18	11	-	-
	400	155	.065	4 - 9 - 20	-		2.03	73	16.1	1.2 - 2.7 - 6.0	30	27	26	21	15	-
	500	194	.101	6 - 12 - 25	17		2.54	92	25.2	1.9 - 3.7 - 7.5	37	34	33	29	24	12
	600	233	.146	9 - 15 - 28	23		3.05	110	36.3	2.7 - 4.5 - 8.4	42	39	38	35	32	20
	700	272	.199	12 - 17 - 30	29		3.56	128	49.4	3.5 - 5.2 - 9.0	46	43	43	40	38	26
	800	311	.259	13 - 20 - 32	34		4.06	147	64.6	4.0 - 6.0 - 9.7	50	47	47	45	44	32
	1000	389	.405	16 - 25 - 36	42		5.08	183	100.9	5.0 - 7.5 - 10.8	56	53	53	53	53	41
	1200	466	.584	20 - 28 - 39	48		6.10	220	145.3	6.0 - 8.4 - 11.8	61	58	58	59	60	49
	1400	544	.794	23 - 30 - 42	54		7.11	257	197.8	7.0 - 9.0 - 12.8	65	62	63	65	67	56
4" x 18"	300	172	.036	5 - 11 - 22	-	102 x 457	1.52	81	9.1	1.5 - 3.3 - 6.6	24	21	19	12	-	-
	400	229	.065	9 - 15 - 27	-		2.03	108	16.1	2.6 - 4.4 - 8.3	32	29	27	22	16	-
	500	287	.101	12 - 18 - 31	18		2.54	135	25.2	3.7 - 5.5 - 9.3	38	35	34	30	25	13
	600	344	.146	15 - 22 - 33	25		3.05	162	36.3	4.4 - 6.6 - 10.2	43	40	39	36	33	21
	700	401	.199	17 - 25 - 36	30		3.56	189	49.4	5.2 - 7.7 - 11.0	47	44	44	42	39	27
	800	459	.259	19 - 27 - 39	35		4.06	216	64.6	5.9 - 8.3 - 11.7	51	48	48	46	45	33
	1000	573	.405	24 - 31 - 43	43		5.08	271	100.9	7.4 - 9.3 - 13.1	57	54	54	54	54	42
	1200	688	.584	27 - 33 - 47	49		6.10	325	145.3	8.3 - 10.2 - 14.4	62	59	60	61	61	50
	1300	745	.685	28 - 35 - 49	52		6.60	352	170.5	8.6 - 10.6 - 15.0	65	62	62	63	65	53
4" x 24"	300	227	.036	9 - 14 - 27	-	102 x 610	1.52	107	9.1	2.6 - 4.4 - 8.3	25	22	20	13	-	-
	400	303	.065	13 - 19 - 31	11		2.03	143	16.1	3.9 - 5.8 - 9.5	33	30	28	23	17	-
	500	379	.101	16 - 24 - 35	19		2.54	179	25.2	4.9 - 7.3 - 10.7	39	36	35	31	26	14
	600	455	.146	19 - 27 - 38	26		3.05	215	36.3	5.8 - 8.3 - 11.7	44	41	40	37	34	22
	700	531	.199	22 - 29 - 41	31		3.56	250	49.4	6.8 - 8.9 - 12.6	48	45	45	43	40	28
	800	606	.259	26 - 31 - 44	36		4.06	286	64.6	7.8 - 9.5 - 13.5	52	49	49	47	46	34
	1000	758	.405	29 - 35 - 50	44		5.08	358	100.9	8.7 - 10.7 - 15.1	58	55	55	55	55	43
	1200	910	.584	31 - 38 - 54	50		6.10	429	145.3	9.5 - 11.7 - 16.5	63	60	61	62	62	51
	1300	985	.685	33 - 40 - 57	53		6.60	465	170.5	9.9 - 12.2 - 17.2	66	63	63	64	65	54

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. Sound is based on a 0˚ spread; for 20˚ spread, add 4 NC; for 40˚ spread, add 9 NC. Throw is based on a 15˚ upward deflection; for 0˚ deflection, multiply throws by 1.2; for 30˚ deflection, multiply by 0.8. 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 program for performance data not shown, including octave band data.

PERFORMANCE DATA | 4" LOUVER (NO DAMPER)

LISTED SIZE (H x W)	IP DATA				NC	METRIC SIZE (H x W)	METRIC DATA				OCTAVE BAND, dB					
	DUCT VEL	AIR FLOW	Pt	THROW			DUCT VEL	AIR FLOW	Pt	THROW						
in.	FPM	CFM	"WG	ft		mm	m/s	L/s	Pa	m	2	3	4	5	6	7
4" x 30"	300	283	.036	12 - 18 - 30	-	102 x 762	1.52	133	9.1	3.6 - 5.5 - 9.2	25	22	21	14	-	-
	400	377	.065	16 - 24 - 35	12		2.03	178	16.1	4.8 - 7.3 - 10.6	34	31	29	24	18	-
	500	471	.101	20 - 28 - 39	20		2.54	222	25.2	6.1 - 8.4 - 11.9	40	37	36	31	27	15
	600	566	.146	24 - 30 - 43	26		3.05	267	36.3	7.3 - 9.2 - 13.0	45	42	41	38	35	22
	700	660	.199	27 - 33 - 46	32		3.56	311	49.4	8.1 - 9.9 - 14.1	49	46	46	43	41	29
	800	754	.259	29 - 35 - 49	37		4.06	356	64.6	8.7 - 10.6 - 15.0	53	50	50	48	46	35
	1000	943	.405	32 - 39 - 55	44		5.08	445	100.9	9.7 - 11.9 - 16.8	59	56	56	56	55	44
	1100	1037	.490	33 - 41 - 58	48		5.59	489	122.1	10.2 - 12.5 - 17.6	62	59	59	59	59	48
	1200	1131	.584	35 - 43 - 61	51		6.10	534	145.3	10.6 - 13.0 - 18.4	64	61	62	62	63	52
4" x 36"	300	338	.036	14 - 21 - 33	-	102 x 914	1.52	160	9.1	4.3 - 6.5 - 10.1	26	23	21	14	-	-
	400	451	.065	19 - 27 - 38	13		2.03	213	16.1	5.8 - 8.2 - 11.6	34	31	30	24	19	-
	500	564	.101	24 - 30 - 43	21		2.54	266	25.2	7.2 - 9.2 - 13.0	40	37	36	32	28	15
	600	676	.146	27 - 33 - 47	27		3.05	319	36.3	8.2 - 10.1 - 14.2	46	43	42	39	35	23
	700	789	.199	29 - 36 - 51	32		3.56	372	49.4	8.9 - 10.9 - 15.4	50	47	46	44	42	30
	800	902	.259	31 - 38 - 54	37		4.06	426	64.6	9.5 - 11.6 - 16.4	54	51	50	49	47	35
	900	1015	.328	33 - 41 - 57	41		4.57	479	81.7	10.1 - 12.3 - 17.4	57	54	54	53	52	40
	1100	1240	.490	37 - 45 - 63	49		5.59	585	122.1	11.1 - 13.6 - 19.3	63	60	60	60	60	49
	1200	1353	.584	38 - 47 - 66	52		6.10	638	145.3	11.6 - 14.2 - 20.1	65	62	62	63	64	52
4" x 48"	300	449	.036	19 - 27 - 38	-	102 x 1219	1.52	212	9.1	5.8 - 8.2 - 11.6	27	24	23	15	-	-
	400	599	.065	25 - 31 - 44	14		2.03	283	16.1	7.7 - 9.5 - 13.4	35	32	31	25	20	-
	500	748	.101	28 - 35 - 49	22		2.54	353	25.2	8.7 - 10.6 - 15.0	42	39	38	33	29	16
	600	898	.146	31 - 38 - 54	28		3.05	424	36.3	9.5 - 11.6 - 16.4	47	44	43	40	36	24
	700	1048	.199	34 - 41 - 58	34		3.56	494	49.4	10.2 - 12.5 - 17.7	51	48	48	45	43	31
	800	1197	.259	36 - 44 - 62	38		4.06	565	64.6	10.9 - 13.4 - 19.0	55	52	51	50	48	36
	1000	1497	.405	40 - 49 - 70	46		5.08	706	100.9	12.2 - 15.0 - 21.2	61	58	58	58	57	46
	1100	1646	.490	42 - 52 - 73	50		5.59	777	122.1	12.8 - 15.7 - 22.2	64	61	61	61	61	50
	1200	1796	.584	44 - 54 - 76	53		6.10	848	145.3	13.4 - 16.4 - 23.2	66	63	63	64	65	53
4" x 60"	300	560	.036	24 - 30 - 43	-	102 x 1524	1.52	264	9.1	7.2 - 9.2 - 13.0	28	25	23	16	-	-
	400	746	.065	28 - 35 - 49	15		2.03	352	16.1	8.6 - 10.6 - 15.0	36	33	32	26	21	-
	500	933	.101	32 - 39 - 55	22		2.54	440	25.2	9.7 - 11.8 - 16.7	43	40	39	34	30	17
	600	1120	.146	35 - 43 - 60	29		3.05	528	36.3	10.6 - 13.0 - 18.3	48	45	44	41	37	25
	700	1306	.199	38 - 46 - 65	34		3.56	616	49.4	11.4 - 14.0 - 19.8	52	49	48	46	43	31
	800	1493	.259	40 - 49 - 70	39		4.06	705	64.6	12.2 - 15.0 - 21.2	56	53	52	51	49	37
	1000	1866	.405	45 - 55 - 78	47		5.08	881	100.9	13.7 - 16.7 - 23.7	62	59	59	59	58	47
	1100	2053	.490	47 - 58 - 82	51		5.59	969	122.1	14.3 - 17.5 - 24.8	65	62	62	62	62	51
	1200	2239	.584	49 - 60 - 85	54		6.10	1057	145.3	15.0 - 18.3 - 25.9	67	64	64	65	66	54

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. Sound is based on a 0˚ spread; for 20˚ spread, add 4 NC; for 40˚ spread, add 9 NC. Throw is based on a 15˚ upward deflection; for 0˚ deflection, multiply throws by 1.2; for 30˚ deflection, multiply by 0.8. 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 program for performance data not shown, including octave band data.

DMDR

Duct Mounted Grille | Drum Louver, Radius End Caps

KRUEGER

PERFORMANCE DATA | 6" LOUVER (NO DAMPER)

LISTED SIZE (H x W)	IP DATA				NC	METRIC SIZE (H x W)	METRIC DATA				OCTAVE BAND, dB					
	DUCT VEL	AIR FLOW	Pt	THROW			DUCT VEL	AIR FLOW	Pt	THROW						
in.	FPM	CFM	"WG	ft		mm	m/s	L/s	Pa	m	2	3	4	5	6	7
6" x 9"	300	129	.046	3 - 6 - 16	-	152 x 229	1.52	61	11.4	0.8 - 1.9 - 5.0	22	19	18	11	-	-
	400	172	.081	5 - 11 - 22	-		2.03	81	20.2	1.5 - 3.3 - 6.6	30	27	26	21	15	-
	500	215	.127	8 - 14 - 26	17		2.54	101	31.5	2.3 - 4.1 - 8.0	37	34	33	28	24	12
	600	258	.182	11 - 16 - 29	23		3.05	122	45.4	3.3 - 5.0 - 8.8	42	39	38	35	32	19
	700	301	.248	13 - 19 - 31	29		3.56	142	61.8	3.9 - 5.8 - 9.5	46	43	43	40	38	26
	800	344	.324	15 - 22 - 33	34		4.06	162	80.8	4.4 - 6.6 - 10.2	50	47	47	45	43	32
	1000	430	.507	18 - 26 - 37	41		5.08	203	126.2	5.5 - 8.0 - 11.4	56	53	53	53	53	41
	1100	473	.613	20 - 28 - 39	45		5.59	223	152.7	6.1 - 8.4 - 11.9	59	56	56	56	56	45
	1400	602	.993	25 - 31 - 44	53		7.11	284	247.3	7.7 - 9.5 - 13.4	66	63	63	65	66	55
6" x 12"	300	169	.046	5 - 11 - 21	-	152 x 305	1.52	80	11.4	1.4 - 3.2 - 6.5	23	20	18	11	-	-
	400	226	.081	8 - 14 - 27	-		2.03	106	20.2	2.6 - 4.4 - 8.2	31	28	27	21	16	-
	500	282	.127	12 - 18 - 30	18		2.54	133	31.5	3.6 - 5.4 - 9.2	37	34	33	29	25	12
	600	338	.182	14 - 21 - 33	24		3.05	160	45.4	4.4 - 6.5 - 10.1	43	40	39	36	32	20
	700	395	.248	17 - 25 - 36	29		3.56	186	61.8	5.1 - 7.6 - 10.9	47	44	43	41	39	27
	800	451	.324	19 - 27 - 38	34		4.06	213	80.8	5.8 - 8.2 - 11.6	51	48	47	46	44	32
	1000	564	.507	24 - 30 - 43	42		5.08	266	126.2	7.3 - 9.2 - 13.0	57	54	54	54	53	42
	1200	677	.730	27 - 33 - 47	49		6.10	319	181.7	8.2 - 10.1 - 14.2	62	59	59	60	61	49
	1400	790	.993	29 - 36 - 51	54		7.11	373	247.3	8.9 - 10.9 - 15.4	66	63	64	65	67	56
6" x 18"	300	250	.046	10 - 16 - 28	-	152 x 457	1.52	118	11.4	3.1 - 4.8 - 8.7	24	21	20	12	-	-
	400	333	.081	14 - 21 - 33	11		2.03	157	20.2	4.3 - 6.4 - 10.0	33	30	28	22	17	-
	500	416	.127	18 - 26 - 37	19		2.54	196	31.5	5.3 - 7.9 - 11.2	39	36	35	30	26	13
	600	499	.182	21 - 28 - 40	25		3.05	236	45.4	6.4 - 8.7 - 12.2	44	41	40	37	33	21
	700	582	.248	25 - 31 - 43	31		3.56	275	61.8	7.5 - 9.3 - 13.2	48	45	45	42	40	28
	800	666	.324	27 - 33 - 46	35		4.06	314	80.8	8.2 - 10.0 - 14.1	52	49	49	47	45	33
	1000	832	.507	30 - 37 - 52	43		5.08	393	126.2	9.1 - 11.2 - 15.8	58	55	55	55	54	43
	1200	998	.730	33 - 40 - 57	50		6.10	471	181.7	10.0 - 12.2 - 17.3	63	60	61	61	62	50
	1300	1082	.856	34 - 42 - 59	53		6.60	510	213.3	10.4 - 12.7 - 18.0	66	63	63	64	65	54
6" x 24"	300	330	.046	14 - 21 - 33	-	152 x 610	1.52	156	11.4	4.2 - 6.4 - 9.9	25	22	21	13	-	-
	400	440	.081	19 - 27 - 38	12		2.03	208	20.2	5.7 - 8.1 - 11.5	34	31	29	23	18	-
	500	550	.127	23 - 30 - 42	20		2.54	260	31.5	7.1 - 9.1 - 12.8	40	37	36	31	27	14
	600	660	.182	27 - 33 - 46	26		3.05	311	45.4	8.1 - 9.9 - 14.1	45	42	41	38	34	22
	700	770	.248	29 - 35 - 50	32		3.56	363	61.8	8.8 - 10.7 - 15.2	49	46	46	43	41	28
	800	880	.324	31 - 38 - 53	36		4.06	415	80.8	9.4 - 11.5 - 16.2	53	50	50	48	46	34
	1000	1100	.507	34 - 42 - 60	44		5.08	519	126.2	10.5 - 12.8 - 18.2	59	56	56	56	55	44
	1200	1320	.730	38 - 46 - 65	51		6.10	623	181.7	11.5 - 14.1 - 19.9	64	61	62	62	63	51
	1300	1430	.856	39 - 48 - 68	54		6.60	675	213.3	12.0 - 14.6 - 20.7	67	64	64	65	66	55

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. Sound is based on a 0˚ spread; for 20˚ spread, add 4 NC; for 40˚ spread, add 9 NC. Throw is based on a 15˚ upward deflection; for 0˚ deflection, multiply throws by 1.2; for 30˚ deflection, multiply by 0.8. 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 program for performance data not shown, including octave band data.

PERFORMANCE DATA | 6" LOUVER (NO DAMPER)

LISTED SIZE (H x W)	IP DATA				NC	METRIC SIZE (H x W)	METRIC DATA				OCTAVE BAND, dB					
	DUCT VEL	AIR FLOW	Pt	THROW			DUCT VEL	AIR FLOW	Pt	THROW						
in.	FPM	CFM	"WG	ft		mm	m/s	L/s	Pa	m	2	3	4	5	6	7
6" x 30	300	410	.046	17 - 26 - 36	-	152 x 762	1.52	194	11.4	5.3 - 7.8 - 11.1	26	23	22	14	-	-
	400	547	.081	23 - 30 - 42	12		2.03	258	20.2	7.0 - 9.1 - 12.8	34	31	30	24	18	-
	500	684	.127	27 - 33 - 47	20		2.54	323	31.5	8.3 - 10.1 - 14.3	41	38	37	32	28	15
	600	821	.182	30 - 36 - 52	27		3.05	387	45.4	9.1 - 11.1 - 15.7	46	43	42	39	35	23
	700	958	.248	32 - 39 - 56	32		3.56	452	61.8	9.8 - 12.0 - 16.9	50	47	46	44	41	29
	800	1094	.324	34 - 42 - 60	37		4.06	517	80.8	10.5 - 12.8 - 18.1	54	51	50	49	47	35
	1000	1368	.507	38 - 47 - 67	45		5.08	646	126.2	11.7 - 14.3 - 20.3	60	57	57	56	56	44
	1100	1505	.613	40 - 49 - 70	48		5.59	710	152.7	12.3 - 15.0 - 21.2	63	60	60	60	60	48
	1200	1642	.730	42 - 52 - 73	52		6.10	775	181.7	12.8 - 15.7 - 22.2	65	62	62	63	63	52
6" x 36"	300	491	.046	21 - 28 - 40	-	152 x 914	1.52	232	11.4	6.3 - 8.6 - 12.1	27	24	22	15	-	-
	400	654	.081	27 - 33 - 46	13		2.03	309	20.2	8.1 - 9.9 - 14.0	35	32	31	25	19	-
	500	818	.127	30 - 36 - 52	21		2.54	386	31.5	9.0 - 11.1 - 15.7	41	38	37	33	28	16
	600	982	.182	33 - 40 - 56	28		3.05	463	45.4	9.9 - 12.1 - 17.2	46	43	43	39	36	23
	700	1145	.248	35 - 43 - 61	33		3.56	540	61.8	10.7 - 13.1 - 18.5	51	48	47	45	42	30
	800	1309	.324	38 - 46 - 65	38		4.06	618	80.8	11.4 - 14.0 - 19.8	54	51	51	49	47	36
	900	1472	.410	40 - 49 - 69	42		4.57	695	102.2	12.1 - 14.9 - 21.0	58	55	55	53	52	41
	1100	1800	.613	44 - 54 - 76	49		5.59	849	152.7	13.4 - 16.4 - 23.2	63	60	60	61	60	49
	1200	1963	.730	46 - 56 - 80	52		6.10	927	181.7	14.0 - 17.2 - 24.3	66	63	63	64	64	53
6" x 48"	300	652	.046	27 - 33 - 46	-	152 x 1219	1.52	308	11.4	8.1 - 9.9 - 14.0	28	25	23	16	-	-
	400	869	.081	31 - 38 - 53	14		2.03	410	20.2	9.3 - 11.4 - 16.1	36	33	32	26	20	-
	500	1086	.127	34 - 42 - 59	22		2.54	513	31.5	10.4 - 12.8 - 18.0	42	39	38	34	29	17
	600	1303	.182	38 - 46 - 65	29		3.05	615	45.4	11.4 - 14.0 - 19.8	48	45	44	40	37	24
	700	1520	.248	41 - 50 - 70	34		3.56	718	61.8	12.3 - 15.1 - 21.4	52	49	48	46	43	31
	800	1738	.324	43 - 53 - 75	39		4.06	820	80.8	13.2 - 16.1 - 22.8	56	53	52	50	48	37
	1000	2172	.507	48 - 59 - 84	47		5.08	1025	126.2	14.7 - 18.0 - 25.5	62	59	59	58	58	46
	1100	2389	.613	51 - 62 - 88	50		5.59	1128	152.7	15.5 - 18.9 - 26.8	65	62	62	62	62	50
	1200	2607	.730	53 - 65 - 92	53		6.10	1230	181.7	16.1 - 19.8 - 28.0	67	64	64	65	65	54
6" x 60"	300	812	.046	30 - 36 - 51	-	152 x 1524	1.52	383	11.4	9.0 - 11.0 - 15.6	29	26	24	17	-	-
	400	1083	.081	34 - 42 - 59	15		2.03	511	20.2	10.4 - 12.7 - 18.0	37	34	33	27	21	-
	500	1354	.127	38 - 47 - 66	23		2.54	639	31.5	11.6 - 14.3 - 20.2	43	40	39	35	30	18
	600	1625	.182	42 - 51 - 73	30		3.05	767	45.4	12.7 - 15.6 - 22.1	48	45	45	41	38	25
	700	1896	.248	45 - 55 - 78	35		3.56	895	61.8	13.8 - 16.9 - 23.8	53	50	49	47	44	32
	800	2167	.324	48 - 59 - 84	40		4.06	1022	80.8	14.7 - 18.0 - 25.5	56	53	53	51	49	37
	1000	2708	.507	54 - 66 - 94	48		5.08	1278	126.2	16.5 - 20.2 - 28.5	63	60	60	59	58	47
	1100	2979	.613	57 - 70 - 98	51		5.59	1406	152.7	17.3 - 21.1 - 29.9	65	62	62	62	62	51
	1200	3250	.730	59 - 73 - 103	54		6.10	1534	181.7	18.0 - 22.1 - 31.2	68	65	65	66	66	55

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. Sound is based on a 0˚ spread; for 20˚ spread, add 4 NC; for 40˚ spread, add 9 NC. Throw is based on a 15˚ upward deflection; for 0˚ deflection, multiply throws by 1.2; for 30˚ deflection, multiply by 0.8. 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 program for performance data not shown, including octave band data.

PERFORMANCE DATA | 8" LOUVER (NO DAMPER)

LISTED SIZE (H x W)	IP DATA				NC	METRIC SIZE (H x W)	METRIC DATA				OCTAVE BAND, dB					
	DUCT VEL	AIR FLOW	Pt	THROW			DUCT VEL	AIR FLOW	Pt	THROW						
in.	FPM	CFM	"WG	ft		mm	m/s	L/s	Pa	m	2	3	4	5	6	7
8" x 9"	300	169	.038	5 - 11 - 21	-	203 x 229	1.52	80	9.4	1.4 - 3.2 - 6.5	23	20	18	11	-	-
	400	225	.067	8 - 14 - 27	-		2.03	106	16.7	2.5 - 4.3 - 8.2	31	28	27	21	16	-
	500	282	.105	12 - 18 - 30	17		2.54	133	26.1	3.6 - 5.4 - 9.2	37	34	33	29	25	12
	600	338	.151	14 - 21 - 33	24		3.05	160	37.6	4.3 - 6.5 - 10.1	43	40	39	36	32	20
	700	395	.205	17 - 25 - 36	29		3.56	186	51.2	5.1 - 7.6 - 10.9	47	44	43	41	39	26
	800	451	.268	19 - 27 - 38	34		4.06	213	66.8	5.8 - 8.2 - 11.6	51	48	47	46	44	32
	1000	564	.419	24 - 30 - 43	42		5.08	266	104.4	7.2 - 9.2 - 13.0	57	54	54	54	53	42
	1100	620	.507	26 - 32 - 45	46		5.59	293	126.3	7.9 - 9.6 - 13.6	60	57	57	57	57	46
	1400	789	.822	29 - 36 - 51	54		7.11	372	204.6	8.9 - 10.9 - 15.4	66	63	64	65	67	56
8" x 12"	300	222	.038	8 - 14 - 27	-	203 x 305	1.52	105	9.4	2.4 - 4.3 - 8.2	24	21	19	12	-	-
	400	296	.067	12 - 19 - 31	-		2.03	140	16.7	3.8 - 5.7 - 9.4	32	29	28	22	16	-
	500	370	.105	16 - 23 - 35	18		2.54	174	26.1	4.7 - 7.1 - 10.5	38	35	34	30	25	13
	600	444	.151	19 - 27 - 38	25		3.05	209	37.6	5.7 - 8.2 - 11.5	43	40	40	36	33	21
	700	518	.205	22 - 29 - 41	30		3.56	244	51.2	6.6 - 8.8 - 12.5	48	45	44	42	39	27
	800	591	.268	25 - 31 - 44	35		4.06	279	66.8	7.6 - 9.4 - 13.3	51	48	48	46	45	33
	1000	739	.419	28 - 35 - 49	43		5.08	349	104.4	8.6 - 10.5 - 14.9	58	55	55	54	54	42
	1200	887	.604	31 - 38 - 54	49		6.10	419	150.3	9.4 - 11.5 - 16.3	63	60	60	61	61	50
	1400	1035	.822	33 - 41 - 58	55		7.11	488	204.6	10.2 - 12.5 - 17.6	67	64	65	66	67	56
8" x 18"	300	327	.038	14 - 21 - 33	-	203 x 457	1.52	154	9.4	4.2 - 6.3 - 9.9	25	22	21	13	-	-
	400	436	.067	18 - 27 - 38	11		2.03	206	16.7	5.6 - 8.1 - 11.4	33	30	29	23	17	-
	500	545	.105	23 - 30 - 42	19		2.54	257	26.1	7.0 - 9.0 - 12.8	40	37	36	31	26	14
	600	654	.151	27 - 33 - 46	26		3.05	309	37.6	8.1 - 9.9 - 14.0	45	42	41	37	34	22
	700	763	.205	29 - 35 - 50	31		3.56	360	51.2	8.7 - 10.7 - 15.1	49	46	45	43	40	28
	800	873	.268	31 - 38 - 53	36		4.06	412	66.8	9.3 - 11.4 - 16.2	53	50	49	48	46	34
	1000	1091	.419	34 - 42 - 59	44		5.08	515	104.4	10.4 - 12.8 - 18.1	59	56	56	55	55	43
	1200	1309	.604	38 - 46 - 65	50		6.10	618	150.3	11.4 - 14.0 - 19.8	64	61	61	62	62	51
	1300	1418	.709	39 - 48 - 68	53		6.60	669	176.4	11.9 - 14.6 - 20.6	66	63	64	65	66	54
8" x 24"	300	433	.038	18 - 26 - 37	-	203 x 610	1.52	204	9.4	5.5 - 8.1 - 11.4	26	23	22	14	-	-
	400	577	.067	24 - 31 - 43	12		2.03	272	16.7	7.4 - 9.3 - 13.2	34	31	30	24	18	-
	500	721	.105	28 - 34 - 48	20		2.54	340	26.1	8.5 - 10.4 - 14.7	41	38	37	32	27	15
	600	865	.151	31 - 37 - 53	27		3.05	408	37.6	9.3 - 11.4 - 16.1	46	43	42	38	35	22
	700	1009	.205	33 - 40 - 57	32		3.56	476	51.2	10.0 - 12.3 - 17.4	50	47	46	44	41	29
	800	1154	.268	35 - 43 - 61	37		4.06	544	66.8	10.7 - 13.2 - 18.6	54	51	50	48	47	35
	1000	1442	.419	39 - 48 - 68	45		5.08	681	104.4	12.0 - 14.7 - 20.8	60	57	57	56	56	44
	1200	1730	.604	43 - 53 - 75	51		6.10	817	150.3	13.2 - 16.1 - 22.8	65	62	62	63	63	52
	1300	1875	.709	45 - 55 - 78	54		6.60	885	176.4	13.7 - 16.8 - 23.7	67	64	65	66	66	55

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. Sound is based on a 0˚ spread; for 20˚ spread, add 4 NC; for 40˚ spread, add 9 NC. Throw is based on a 15˚ upward deflection; for 0˚ deflection, multiply throws by 1.2; for 30˚ deflection, multiply by 0.8. 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 program for performance data not shown, including octave band data.

PERFORMANCE DATA | 8" LOUVER (NO DAMPER)

LISTED SIZE (H x W)	IP DATA				NC	METRIC SIZE (H x W)	METRIC DATA				OCTAVE BAND, dB					
	DUCT VEL	AIR FLOW	Pt	THROW			DUCT VEL	AIR FLOW	Pt	THROW						
in.	FPM	CFM	"WG	ft		mm	m/s	L/s	Pa	m	2	3	4	5	6	7
8" x 30"	300	538	.038	23 - 30 - 42	-	203 x 762	1.52	254	9.4	6.9 - 9.0 - 12.7	27	24	22	15	-	-
	400	717	.067	28 - 34 - 48	13		2.03	339	16.7	8.5 - 10.4 - 14.7	35	32	31	25	19	-
	500	897	.105	31 - 38 - 54	21		2.54	423	26.1	9.5 - 11.6 - 16.4	41	38	37	33	28	15
	600	1076	.151	34 - 42 - 59	28		3.05	508	37.6	10.4 - 12.7 - 18.0	46	43	43	39	36	23
	700	1255	.205	37 - 45 - 64	33		3.56	592	51.2	11.2 - 13.7 - 19.4	51	48	47	45	42	30
	800	1435	.268	39 - 48 - 68	38		4.06	677	66.8	12.0 - 14.7 - 20.7	55	52	51	49	47	35
	1000	1793	.419	44 - 54 - 76	46		5.08	846	104.4	13.4 - 16.4 - 23.2	61	58	58	57	56	45
	1100	1973	.507	46 - 57 - 80	49		5.59	931	126.3	14.0 - 17.2 - 24.3	63	60	61	60	60	49
	1200	2152	.604	48 - 59 - 84	52		6.10	1016	150.3	14.7 - 18.0 - 25.4	66	63	63	64	64	53
8" x 36"	300	643	.038	26 - 32 - 46	-	203 x 914	1.52	304	9.4	8.0 - 9.8 - 13.9	28	25	23	15	-	-
	400	858	.067	30 - 37 - 53	14		2.03	405	16.7	9.3 - 11.3 - 16.0	36	33	31	26	20	-
	500	1072	.105	34 - 42 - 59	22		2.54	506	26.1	10.4 - 12.7 - 17.9	42	39	38	33	29	16
	600	1287	.151	37 - 46 - 65	28		3.05	607	37.6	11.3 - 13.9 - 19.6	47	44	43	40	36	24
	700	1501	.205	40 - 49 - 70	34		3.56	709	51.2	12.3 - 15.0 - 21.2	52	49	48	45	43	30
	800	1716	.268	43 - 53 - 75	38		4.06	810	66.8	13.1 - 16.0 - 22.7	55	52	52	50	48	36
	900	1930	.340	46 - 56 - 79	43		4.57	911	84.6	13.9 - 17.0 - 24.1	59	56	55	54	53	41
	1100	2359	.507	51 - 62 - 88	50		5.59	1113	126.3	15.4 - 18.8 - 26.6	64	61	61	61	61	50
	1200	2574	.604	53 - 65 - 91	53		6.10	1215	150.3	16.0 - 19.6 - 27.8	67	64	64	64	65	53
8" x 48"	300	854	.038	30 - 37 - 53	-	203 x 1219	1.52	403	9.4	9.2 - 11.3 - 16.0	29	26	24	17	-	-
	400	1139	.067	35 - 43 - 61	15		2.03	538	16.7	10.7 - 13.1 - 18.5	37	34	33	27	21	-
	500	1424	.105	39 - 48 - 68	23		2.54	672	26.1	11.9 - 14.6 - 20.7	43	40	39	35	30	17
	600	1708	.151	43 - 53 - 74	29		3.05	806	37.6	13.1 - 16.0 - 22.6	48	45	45	41	37	25
	700	1993	.205	46 - 57 - 80	35		3.56	941	51.2	14.1 - 17.3 - 24.5	53	50	49	46	44	31
	800	2278	.268	50 - 61 - 86	40		4.06	1075	66.8	15.1 - 18.5 - 26.1	56	53	53	51	49	37
	1000	2847	.419	56 - 68 - 96	47		5.08	1344	104.4	16.9 - 20.7 - 29.2	63	60	60	59	58	47
	1100	3132	.507	58 - 71 - 101	51		5.59	1478	126.3	17.7 - 21.7 - 30.7	65	62	62	62	62	51
	1200	3417	.604	61 - 74 - 105	54		6.10	1613	150.3	18.5 - 22.6 - 32.0	68	65	65	65	66	54
8" x 60"	300	1065	.038	34 - 42 - 59	-	203 x 1524	1.52	503	9.4	10.3 - 12.6 - 17.9	30	27	25	17	-	-
	400	1420	.067	39 - 48 - 68	16		2.03	670	16.7	11.9 - 14.6 - 20.6	38	35	33	28	22	-
	500	1775	.105	44 - 54 - 76	24		2.54	838	26.1	13.3 - 16.3 - 23.1	44	41	40	35	31	18
	600	2130	.151	48 - 59 - 83	30		3.05	1005	37.6	14.6 - 17.9 - 25.3	49	46	45	42	38	26
	700	2485	.205	52 - 64 - 90	36		3.56	1173	51.2	15.8 - 19.3 - 27.3	54	51	50	47	44	32
	800	2840	.268	55 - 68 - 96	40		4.06	1340	66.8	16.9 - 20.6 - 29.2	57	54	54	52	50	38
	1000	3550	.419	62 - 76 - 107	48		5.08	1675	104.4	18.8 - 23.1 - 32.6	64	61	60	60	59	47
	1100	3905	.507	65 - 80 - 113	52		5.59	1843	126.3	19.8 - 24.2 - 34.2	66	63	63	63	63	51
	1200	4260	.604	68 - 83 - 118	55		6.10	2011	150.3	20.6 - 25.3 - 35.7	69	66	66	66	66	55

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. Sound is based on a 0˚ spread; for 20˚ spread, add 4 NC; for 40˚ spread, add 9 NC. Throw is based on a 15˚ upward deflection; for 0˚ deflection, multiply throws by 1.2; for 30˚ deflection, multiply by 0.8. 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 program for performance data not shown, including octave band data.

DMDR

Duct Mounted Grille | Drum Louver, Radius End Caps

KRUEGER

PERFORMANCE DATA | 10" LOUVER (NO DAMPER)

LISTED SIZE (H x W)	IP DATA				NC	METRIC SIZE (H x W)	METRIC DATA				OCTAVE BAND, dB					
	DUCT VEL	AIR FLOW	Pt	THROW			DUCT VEL	AIR FLOW	Pt	THROW						
in.	FPM	CFM	"WG	ft		mm	m/s	L/s	Pa	m	2	3	4	5	6	7
10" x 20"	300	438	.031	18 - 27 - 38	-	254 x 508	1.52	207	7.6	5.6 - 8.1 - 11.5	26	23	21	13	-	-
	400	584	.055	25 - 31 - 44	11		2.03	275	13.6	7.5 - 9.4 - 13.2	34	31	29	23	17	-
	500	730	.085	28 - 34 - 49	19		2.54	344	21.2	8.5 - 10.5 - 14.8	40	37	36	31	26	14
	600	875	.123	31 - 38 - 53	26		3.05	413	30.6	9.4 - 11.5 - 16.2	45	42	41	38	34	21
	700	1021	.167	33 - 41 - 58	31		3.56	482	41.6	10.1 - 12.4 - 17.5	49	46	46	43	40	28
	800	1167	.218	36 - 44 - 62	36		4.06	551	54.3	10.8 - 13.2 - 18.7	53	50	50	48	46	34
	1000	1459	.341	40 - 49 - 69	44		5.08	689	84.9	12.1 - 14.8 - 20.9	59	56	56	56	55	43
	1200	1751	.491	44 - 53 - 75	51		6.10	826	122.2	13.2 - 16.2 - 22.9	64	61	62	62	62	51
	1400	2043	.668	47 - 58 - 81	56		7.11	964	166.3	14.3 - 17.5 - 24.8	69	66	66	67	68	57
10" x 25"	300	544	.031	23 - 30 - 42	-	254 x 635	1.52	257	7.6	7.0 - 9.0 - 12.8	26	23	22	14	-	-
	400	725	.055	28 - 34 - 49	12		2.03	342	13.6	8.5 - 10.4 - 14.7	34	31	30	24	18	-
	500	906	.085	31 - 38 - 54	20		2.54	428	21.2	9.5 - 11.7 - 16.5	41	38	37	32	27	14
	600	1088	.123	34 - 42 - 59	27		3.05	513	30.6	10.4 - 12.8 - 18.1	46	43	42	38	35	22
	700	1269	.167	37 - 45 - 64	32		3.56	599	41.6	11.3 - 13.8 - 19.5	50	47	47	44	41	29
	800	1450	.218	40 - 49 - 69	37		4.06	684	54.3	12.0 - 14.7 - 20.9	54	51	50	48	46	34
	1000	1813	.341	44 - 54 - 77	45		5.08	856	84.9	13.5 - 16.5 - 23.3	60	57	57	56	55	44
	1200	2175	.491	49 - 59 - 84	51		6.10	1027	122.2	14.7 - 18.1 - 25.5	65	62	62	63	63	51
	1400	2538	.668	52 - 64 - 91	57		7.11	1198	166.3	15.9 - 19.5 - 27.6	70	67	67	68	69	58
10" x 30"	300	650	.031	27 - 32 - 46	-	254 x 762	1.52	307	7.6	8.1 - 9.9 - 14.0	27	24	22	15	-	-
	400	867	.055	31 - 38 - 53	13		2.03	409	13.6	9.3 - 11.4 - 16.1	35	32	31	25	19	-
	500	1083	.085	34 - 42 - 59	21		2.54	511	21.2	10.4 - 12.7 - 18.0	41	38	37	33	28	15
	600	1300	.123	38 - 46 - 65	27		3.05	614	30.6	11.4 - 14.0 - 19.7	47	44	43	39	35	23
	700	1517	.167	41 - 50 - 70	33		3.56	716	41.6	12.3 - 15.1 - 21.3	51	48	47	44	41	29
	800	1733	.218	43 - 53 - 75	38		4.06	818	54.3	13.2 - 16.1 - 22.8	55	52	51	49	47	35
	1000	2167	.341	48 - 59 - 84	45		5.08	1023	84.9	14.7 - 18.0 - 25.5	61	58	58	57	56	44
	1200	2600	.491	53 - 65 - 92	52		6.10	1227	122.2	16.1 - 19.7 - 27.9	66	63	63	63	63	52
	1300	2817	.576	55 - 68 - 96	55		6.60	1329	143.4	16.8 - 20.6 - 29.1	68	65	65	66	67	56
10" x 35"	300	756	.031	29 - 35 - 50	-	254 x 889	1.52	357	7.6	8.7 - 10.6 - 15.1	28	25	23	15	-	-
	400	1008	.055	33 - 40 - 57	13		2.03	476	13.6	10.0 - 12.3 - 17.4	36	33	31	25	19	-
	500	1260	.085	37 - 45 - 64	21		2.54	595	21.2	11.2 - 13.7 - 19.4	42	39	38	33	28	16
	600	1512	.123	40 - 50 - 70	28		3.05	714	30.6	12.3 - 15.1 - 21.3	47	44	43	39	36	23
	700	1764	.167	44 - 54 - 76	33		3.56	833	41.6	13.3 - 16.3 - 23.0	51	48	48	45	42	30
	800	2016	.218	47 - 57 - 81	38		4.06	952	54.3	14.2 - 17.4 - 24.6	55	52	52	50	47	35
	1000	2520	.341	52 - 64 - 90	46		5.08	1189	84.9	15.9 - 19.4 - 27.5	61	58	58	57	57	45
	1200	3024	.491	57 - 70 - 99	53		6.10	1427	122.2	17.4 - 21.3 - 30.1	66	63	64	64	64	53
	1300	3276	.576	60 - 73 - 103	55		6.60	1546	143.4	18.1 - 22.2 - 31.4	69	66	66	67	67	56

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. Sound is based on a 0˚ spread; for 20˚ spread, add 4 NC; for 40˚ spread, add 9 NC. Throw is based on a 15˚ upward deflection; for 0˚ deflection, multiply throws by 1.2; for 30˚ deflection, multiply by 0.8. 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 program for performance data not shown, including octave band data.

PERFORMANCE DATA | 10" LOUVER (NO DAMPER)

LISTED SIZE (H x W)	IP DATA				NC	METRIC SIZE (H x W)	METRIC DATA				OCTAVE BAND, dB					
	DUCT VEL	AIR FLOW	Pt	THROW			DUCT VEL	AIR FLOW	Pt	THROW						
in.	FPM	CFM	"WG	ft		mm	m/s	L/s	Pa	m	2	3	4	5	6	7
10" x 40"	300	862	.031	31 - 37 - 53	-	254 x 1016	1.52	407	7.6	9.3 - 11.4 - 16.1	28	25	23	16	-	-
	400	1150	.055	35 - 43 - 61	14		2.03	543	13.6	10.7 - 13.1 - 18.6	36	33	32	26	20	-
	500	1437	.085	39 - 48 - 68	22		2.54	678	21.2	12.0 - 14.7 - 20.8	43	40	38	34	29	16
	600	1724	.123	43 - 53 - 75	28		3.05	814	30.6	13.1 - 16.1 - 22.7	48	45	44	40	36	24
	700	2012	.167	47 - 57 - 81	34		3.56	949	41.6	14.2 - 17.4 - 24.6	52	49	48	45	42	30
	800	2299	.218	50 - 61 - 86	39		4.06	1085	54.3	15.2 - 18.6 - 26.3	56	53	52	50	48	36
	1000	2874	.341	56 - 68 - 97	47		5.08	1356	84.9	17.0 - 20.8 - 29.4	62	59	59	58	57	45
	1100	3161	.412	58 - 72 - 101	50		5.59	1492	102.7	17.8 - 21.8 - 30.8	65	62	62	61	61	49
	1200	3449	.491	61 - 75 - 106	53		6.10	1628	122.2	18.6 - 22.7 - 32.2	67	64	64	64	65	53
10" x 50"	300	1074	.031	34 - 42 - 59	-	254 x 1270	1.52	507	7.6	10.4 - 12.7 - 18.0	29	26	24	16	-	-
	400	1433	.055	39 - 48 - 68	15		2.03	676	13.6	12.0 - 14.7 - 20.7	37	34	33	27	20	-
	500	1791	.085	44 - 54 - 76	23		2.54	845	21.2	13.4 - 16.4 - 23.2	43	40	39	34	30	17
	600	2149	.123	48 - 59 - 84	29		3.05	1014	30.6	14.7 - 18.0 - 25.4	48	45	45	41	37	25
	700	2507	.167	52 - 64 - 90	35		3.56	1183	41.6	15.8 - 19.4 - 27.4	53	50	49	46	43	31
	800	2865	.218	56 - 68 - 96	39		4.06	1352	54.3	16.9 - 20.7 - 29.3	57	54	53	51	49	37
	900	3223	.276	59 - 72 - 102	44		4.57	1521	68.7	18.0 - 22.0 - 31.1	60	57	57	55	54	42
	1100	3940	.412	65 - 80 - 113	51		5.59	1859	102.7	19.8 - 24.3 - 34.4	65	62	62	62	62	50
	1200	4298	.491	68 - 84 - 118	54		6.10	2028	122.2	20.7 - 25.4 - 35.9	68	65	65	65	65	54
10" x 60"	300	1287	.031	37 - 46 - 65	-	254 x 1524	1.52	607	7.6	11.3 - 13.9 - 19.6	30	27	25	17	-	-
	400	1716	.055	43 - 53 - 75	16		2.03	810	13.6	13.1 - 16.0 - 22.7	38	35	33	27	21	-
	500	2145	.085	48 - 59 - 83	23		2.54	1012	21.2	14.6 - 17.9 - 25.4	44	41	40	35	30	18
	600	2573	.123	53 - 65 - 91	30		3.05	1215	30.6	16.0 - 19.6 - 27.8	49	46	45	42	38	25
	700	3002	.167	57 - 70 - 99	35		3.56	1417	41.6	17.3 - 21.2 - 30.0	54	51	50	47	44	32
	800	3431	.218	61 - 75 - 106	40		4.06	1619	54.3	18.5 - 22.7 - 32.1	57	54	54	52	49	38
	1000	4289	.341	68 - 83 - 118	48		5.08	2024	84.9	20.7 - 25.4 - 35.9	64	61	60	60	59	47
	1100	4718	.412	71 - 88 - 124	51		5.59	2227	102.7	21.7 - 26.6 - 37.6	66	63	63	63	63	51
	1200	5147	.491	75 - 91 - 129	55		6.10	2429	122.2	22.7 - 27.8 - 39.3	69	66	66	66	66	55
10" x 70"	300	1499	.031	40 - 49 - 70	-	254 x 1778	1.52	707	7.6	12.2 - 15.0 - 21.2	30	27	26	18	-	-
	400	1999	.055	47 - 57 - 81	16		2.03	943	13.6	14.1 - 17.3 - 24.5	39	36	34	28	22	-
	500	2498	.085	52 - 64 - 90	24		2.54	1179	21.2	15.8 - 19.4 - 27.4	45	42	41	36	31	18
	600	2998	.123	57 - 70 - 99	31		3.05	1415	30.6	17.3 - 21.2 - 30.0	50	47	46	42	38	26
	700	3498	.167	62 - 75 - 107	36		3.56	1651	41.6	18.7 - 22.9 - 32.4	54	51	51	48	45	32
	800	3997	.218	66 - 81 - 114	41		4.06	1886	54.3	20.0 - 24.5 - 34.6	58	55	54	52	50	38
	1000	4996	.341	74 - 90 - 127	49		5.08	2358	84.9	22.4 - 27.4 - 38.7	64	61	61	60	59	48
	1100	5496	.412	77 - 94 - 134	52		5.59	2594	102.7	23.4 - 28.7 - 40.6	67	64	64	64	63	52
	1200	5996	.491	81 - 99 - 140	55		6.10	2830	122.2	24.5 - 30.0 - 42.4	69	66	66	67	67	55

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. Sound is based on a 0˚ spread; for 20˚ spread, add 4 NC; for 40˚ spread, add 9 NC. Throw is based on a 15˚ upward deflection; for 0˚ deflection, multiply throws by 1.2; for 30˚ deflection, multiply by 0.8. 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 program for performance data not shown, including octave band data.

PERFORMANCE DATA | 12" LOUVER (NO DAMPER)

LISTED SIZE (H x W)	IP DATA				NC	METRIC SIZE (H x W)	METRIC DATA				OCTAVE BAND, dB					
	DUCT VEL	AIR FLOW	Pt	THROW			DUCT VEL	AIR FLOW	Pt	THROW						
in.	FPM	CFM	"WG	ft		mm	m/s	L/s	Pa	m	2	3	4	5	6	7
12" x 20"	300	524	.029	22 - 29 - 41	-	305 x 508	1.52	247	7.1	6.7 - 8.9 - 12.5	26	23	22	14	-	-
	400	698	.051	27 - 34 - 48	12		2.03	330	12.7	8.4 - 10.2 - 14.5	34	31	30	24	18	-
	500	873	.080	31 - 38 - 53	20		2.54	412	19.8	9.3 - 11.4 - 16.2	41	38	37	32	27	14
	600	1047	.115	34 - 41 - 58	27		3.05	494	28.6	10.2 - 12.5 - 17.7	46	43	42	38	34	22
	700	1222	.156	36 - 45 - 63	32		3.56	577	38.9	11.1 - 13.5 - 19.1	50	47	46	44	41	29
	800	1396	.204	39 - 48 - 67	37		4.06	659	50.8	11.8 - 14.5 - 20.5	54	51	50	48	46	34
	1000	1746	.319	43 - 53 - 75	45		5.08	824	79.4	13.2 - 16.2 - 22.9	60	57	57	56	55	44
	1200	2095	.459	48 - 58 - 82	51		6.10	989	114.3	14.5 - 17.7 - 25.1	65	62	62	63	63	51
	1400	2444	.625	51 - 63 - 89	57		7.11	1153	155.5	15.6 - 19.1 - 27.1	69	66	67	68	69	58
12" x 30"	300	778	.029	29 - 36 - 50	-	305 x 762	1.52	367	7.1	8.8 - 10.8 - 15.3	28	25	23	15	-	-
	400	1037	.051	33 - 41 - 58	14		2.03	489	12.7	10.2 - 12.5 - 17.6	36	33	31	25	19	-
	500	1296	.080	37 - 46 - 65	22		2.54	612	19.8	11.4 - 13.9 - 19.7	42	39	38	33	28	16
	600	1555	.115	41 - 50 - 71	28		3.05	734	28.6	12.5 - 15.3 - 21.6	47	44	43	40	36	23
	700	1814	.156	44 - 54 - 77	33		3.56	856	38.9	13.5 - 16.5 - 23.3	52	49	48	45	42	30
	800	2074	.204	47 - 58 - 82	38		4.06	979	50.8	14.4 - 17.6 - 24.9	55	52	52	50	48	36
	1000	2592	.319	53 - 65 - 92	46		5.08	1223	79.4	16.1 - 19.7 - 27.9	62	59	58	58	57	45
	1200	3110	.459	58 - 71 - 100	53		6.10	1468	114.3	17.6 - 21.6 - 30.5	67	64	64	64	64	53
	1400	3629	.625	63 - 77 - 109	58		7.11	1713	155.5	19.0 - 23.3 - 33.0	71	68	68	69	70	59
12" x 40"	300	1031	.029	33 - 41 - 58	-	305 x 1016	1.52	487	7.1	10.2 - 12.4 - 17.6	29	26	24	16	-	-
	400	1375	.051	39 - 47 - 67	15		2.03	649	12.7	11.7 - 14.4 - 20.3	37	34	33	26	20	-
	500	1719	.080	43 - 53 - 75	23		2.54	811	19.8	13.1 - 16.1 - 22.7	43	40	39	34	29	17
	600	2063	.115	47 - 58 - 82	29		3.05	974	28.6	14.4 - 17.6 - 24.9	48	45	44	41	37	24
	700	2407	.156	51 - 62 - 88	35		3.56	1136	38.9	15.5 - 19.0 - 26.9	53	50	49	46	43	31
	800	2751	.204	55 - 67 - 94	39		4.06	1298	50.8	16.6 - 20.3 - 28.7	56	53	53	51	49	37
	1000	3438	.319	61 - 75 - 106	47		5.08	1623	79.4	18.5 - 22.7 - 32.1	63	60	59	59	58	46
	1200	4126	.459	67 - 82 - 116	54		6.10	1947	114.3	20.3 - 24.9 - 35.2	68	65	65	65	65	54
	1300	4470	.539	70 - 85 - 120	57		6.60	2110	134.1	21.1 - 25.9 - 36.6	70	67	67	68	68	57
12" x 50"	300	1285	.029	37 - 46 - 65	-	305 x 1270	1.52	607	7.1	11.3 - 13.9 - 19.6	30	27	25	17	-	-
	400	1714	.051	43 - 53 - 75	16		2.03	809	12.7	13.1 - 16.0 - 22.7	38	35	33	27	21	-
	500	2142	.080	48 - 59 - 83	23		2.54	1011	19.8	14.6 - 17.9 - 25.4	44	41	40	35	30	18
	600	2571	.115	53 - 65 - 91	30		3.05	1213	28.6	16.0 - 19.6 - 27.8	49	46	45	42	38	25
	700	2999	.156	57 - 70 - 99	35		3.56	1415	38.9	17.3 - 21.2 - 30.0	54	51	50	47	44	32
	800	3428	.204	61 - 75 - 105	40		4.06	1618	50.8	18.5 - 22.7 - 32.1	57	54	54	52	49	37
	1000	4285	.319	68 - 83 - 118	48		5.08	2022	79.4	20.7 - 25.4 - 35.9	64	61	60	60	59	47
	1200	5142	.459	75 - 91 - 129	55		6.10	2427	114.3	22.7 - 27.8 - 39.3	69	66	66	66	66	55
	1300	5570	.539	78 - 95 - 134	57		6.60	2629	134.1	23.6 - 28.9 - 40.9	71	68	68	69	69	58
12" x 60"	300	1539	.029	41 - 50 - 71	-	305 x 1524	1.52	726	7.1	12.4 - 15.2 - 21.5	31	28	26	18	-	-
	400	2052	.051	47 - 58 - 82	16		2.03	969	12.7	14.3 - 17.5 - 24.8	39	36	34	28	22	-
	500	2566	.080	53 - 65 - 91	24		2.54	1211	19.8	16.0 - 19.6 - 27.7	45	42	41	36	31	18
	600	3079	.115	58 - 71 - 100	31		3.05	1453	28.6	17.5 - 21.5 - 30.4	50	47	46	42	38	26
	700	3592	.156	62 - 76 - 108	36		3.56	1695	38.9	19.0 - 23.2 - 32.8	54	51	51	48	45	33
	800	4105	.204	67 - 82 - 115	41		4.06	1937	50.8	20.3 - 24.8 - 35.1	58	55	55	52	50	38
	1000	5131	.319	75 - 91 - 129	49		5.08	2422	79.4	22.7 - 27.7 - 39.2	64	61	61	60	59	48
	1100	5644	.386	78 - 96 - 135	52		5.59	2664	96.0	23.8 - 29.1 - 41.1	67	64	64	64	63	52
	1200	6157	.459	82 - 100 - 141	55		6.10	2906	114.3	24.8 - 30.4 - 43.0	69	66	66	67	67	55
12" x 70"	300	1793	.029	44 - 54 - 76	-	305 x 1778	1.52	846	7.1	13.4 - 16.4 - 23.2	31	28	26	18	11	-
	400	2391	.051	51 - 62 - 88	17		2.03	1128	12.7	15.5 - 18.9 - 26.8	39	36	35	29	22	-
	500	2989	.080	57 - 70 - 98	25		2.54	1411	19.8	17.3 - 21.2 - 29.9	45	42	41	36	32	19
	600	3586	.115	62 - 76 - 108	31		3.05	1693	28.6	18.9 - 23.2 - 32.8	51	48	47	43	39	27
	700	4184	.156	67 - 82 - 117	37		3.56	1975	38.9	20.5 - 25.1 - 35.4	55	52	51	48	45	33
	800	4782	.204	72 - 88 - 125	41		4.06	2257	50.8	21.9 - 26.8 - 37.9	59	56	55	53	51	39
	900	5380	.258	76 - 93 - 132	46		4.57	2539	64.3	23.2 - 28.4 - 40.2	62	59	59	57	56	44
	1100	6575	.386	84 - 103 - 146	53		5.59	3103	96.0	25.6 - 31.4 - 44.4	68	65	65	64	64	52
	1200	7173	.459	88 - 108 - 153	56		6.10	3385	114.3	26.8 - 32.8 - 46.4	70	67	67	67	67	56

NOTES: See notes on the next page.

PERFORMANCE DATA | 15" LOUVER (NO DAMPER)

LISTED SIZE (H x W)	IP DATA				NC	METRIC SIZE (H x W)	METRIC DATA				OCTAVE BAND, dB					
	DUCT VEL	AIR FLOW	Pt	THROW			DUCT VEL	AIR FLOW	Pt	THROW						
in.	FPM	CFM	"WG	ft		mm	m/s	L/s	Pa	m	2	3	4	5	6	7
15" x 15"	300	494	.024	19 - 28 - 40	-	381 x 381	1.52	233	6.0	5.7 - 8.6 - 12.2	26	23	21	14	-	-
	400	659	.043	25 - 33 - 46	12		2.03	311	10.7	7.6 - 9.9 - 14.1	34	31	30	24	18	-
	500	824	.067	30 - 37 - 52	20		2.54	389	16.7	9.1 - 11.1 - 15.7	41	38	36	32	27	14
	600	989	.097	33 - 40 - 57	27		3.05	467	24.1	9.9 - 12.2 - 17.2	46	43	42	38	34	22
	700	1154	.132	35 - 43 - 61	32		3.56	544	32.8	10.7 - 13.2 - 18.6	50	47	46	44	41	29
	800	1318	.172	38 - 46 - 65	37		4.06	622	42.9	11.5 - 14.1 - 19.9	54	51	50	48	46	34
	1000	1648	.269	42 - 52 - 73	45		5.08	778	67.0	12.8 - 15.7 - 22.2	60	57	57	56	55	44
	1200	1978	.387	46 - 57 - 80	51		6.10	933	96.4	14.1 - 17.2 - 24.4	65	62	62	63	63	51
	1400	2307	.527	50 - 61 - 87	57		7.11	1089	131.3	15.2 - 18.6 - 26.3	69	66	67	68	69	58
15" x 20"	300	653	.024	25 - 33 - 46	-	381 x 508	1.52	308	6.0	7.6 - 9.9 - 14.0	27	24	22	15	-	-
	400	870	.043	31 - 38 - 53	13		2.03	411	10.7	9.3 - 11.4 - 16.2	35	32	31	25	19	-
	500	1088	.067	34 - 42 - 59	21		2.54	513	16.7	10.4 - 12.8 - 18.1	42	39	37	33	28	15
	600	1305	.097	38 - 46 - 65	27		3.05	616	24.1	11.4 - 14.0 - 19.8	47	44	43	39	35	23
	700	1523	.132	41 - 50 - 70	33		3.56	719	32.8	12.3 - 15.1 - 21.4	51	48	47	44	42	29
	800	1740	.172	43 - 53 - 75	38		4.06	821	42.9	13.2 - 16.2 - 22.8	55	52	51	49	47	35
	1000	2175	.269	49 - 59 - 84	46		5.08	1027	67.0	14.7 - 18.1 - 25.5	61	58	58	57	56	45
	1200	2610	.387	53 - 65 - 92	52		6.10	1232	96.4	16.2 - 19.8 - 28.0	66	63	63	63	64	52
	1400	3045	.527	57 - 70 - 99	58		7.11	1437	131.3	17.5 - 21.4 - 30.2	70	67	68	69	70	59
15" x 25"	300	811	.024	30 - 36 - 51	-	381 x 635	1.52	383	6.0	9.0 - 11.0 - 15.6	28	25	23	15	-	-
	400	1081	.043	34 - 42 - 59	14		2.03	510	10.7	10.4 - 12.7 - 18.0	36	33	32	26	19	-
	500	1351	.067	38 - 47 - 66	22		2.54	638	16.7	11.6 - 14.2 - 20.1	42	39	38	33	29	16
	600	1622	.097	42 - 51 - 73	28		3.05	765	24.1	12.7 - 15.6 - 22.1	47	44	44	40	36	24
	700	1892	.132	45 - 55 - 78	34		3.56	893	32.8	13.8 - 16.8 - 23.8	52	49	48	45	42	30
	800	2162	.172	48 - 59 - 84	38		4.06	1020	42.9	14.7 - 18.0 - 25.5	55	52	52	50	48	36
	1000	2703	.269	54 - 66 - 94	46		5.08	1276	67.0	16.4 - 20.1 - 28.5	62	59	59	58	57	45
	1200	3243	.387	59 - 73 - 103	53		6.10	1531	96.4	18.0 - 22.1 - 31.2	67	64	64	64	64	53
	1300	3513	.455	62 - 76 - 107	56		6.60	1658	113.2	18.7 - 23.0 - 32.5	69	66	66	67	68	56
15" x 30"	300	969	.024	32 - 40 - 56	-	381 x 762	1.52	457	6.0	9.8 - 12.1 - 17.0	29	26	24	16	-	-
	400	1292	.043	37 - 46 - 65	14		2.03	610	10.7	11.4 - 13.9 - 19.7	37	34	32	26	20	-
	500	1615	.067	42 - 51 - 72	22		2.54	762	16.7	12.7 - 15.6 - 22.0	43	40	39	34	29	17
	600	1938	.097	46 - 56 - 79	29		3.05	915	24.1	13.9 - 17.0 - 24.1	48	45	44	40	37	24
	700	2261	.132	49 - 61 - 86	34		3.56	1067	32.8	15.0 - 18.4 - 26.0	52	49	49	46	43	31
	800	2584	.172	53 - 65 - 92	39		4.06	1220	42.9	16.1 - 19.7 - 27.8	56	53	53	51	48	36
	1000	3230	.269	59 - 72 - 102	47		5.08	1524	67.0	18.0 - 22.0 - 31.1	62	59	59	58	58	46
	1200	3876	.387	65 - 79 - 112	53		6.10	1829	96.4	19.7 - 24.1 - 34.1	67	64	65	65	65	54
	1300	4199	.455	67 - 83 - 117	56		6.60	1982	113.2	20.5 - 25.1 - 35.5	70	67	67	68	68	57

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. Sound is based on a 0˚ spread; for 20˚ spread, add 4 NC; for 40˚ spread, add 9 NC. Throw is based on a 15˚ upward deflection; for 0˚ deflection, multiply throws by 1.2; for 30˚ deflection, multiply by 0.8. 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 program for performance data not shown, including octave band data.

PERFORMANCE DATA | 15" LOUVER (NO DAMPER)

LISTED SIZE (H x W)	IP DATA				NC	METRIC SIZE (H x W)	METRIC DATA				OCTAVE BAND, dB					
	DUCT VEL	AIR FLOW	Pt	THROW			DUCT VEL	AIR FLOW	Pt	THROW						
in.	FPM	CFM	"WG	ft		mm	m/s	L/s	Pa	m	2	3	4	5	6	7
15" x 40"	300	1285	.024	37 - 46 - 65	-	381 x 1016	1.52	607	6.0	11.3 - 13.9 - 19.6	30	27	25	17	-	-
	400	1714	.043	43 - 53 - 75	16		2.03	809	10.7	13.1 - 16.0 - 22.7	38	35	33	27	21	-
	500	2142	.067	48 - 59 - 83	23		2.54	1011	16.7	14.6 - 17.9 - 25.4	44	41	40	35	30	18
	600	2571	.097	53 - 65 - 91	30		3.05	1213	24.1	16.0 - 19.6 - 27.8	49	46	45	42	38	25
	700	2999	.132	57 - 70 - 99	35		3.56	1415	32.8	17.3 - 21.2 - 30.0	54	51	50	47	44	32
	800	3428	.172	61 - 75 - 105	40		4.06	1618	42.9	18.5 - 22.7 - 32.1	57	54	54	52	49	37
	1000	4285	.269	68 - 83 - 118	48		5.08	2022	67.0	20.7 - 25.4 - 35.9	64	61	60	60	59	47
	1100	4713	.325	71 - 87 - 124	51		5.59	2224	81.0	21.7 - 26.6 - 37.6	66	63	63	63	62	51
	1200	5142	.387	75 - 91 - 129	55		6.10	2427	96.4	22.7 - 27.8 - 39.3	69	66	66	66	66	55
15" x 50"	300	1602	.024	42 - 51 - 72	-	381 x 1270	1.52	756	6.0	12.7 - 15.5 - 21.9	31	28	26	18	-	-
	400	2136	.043	48 - 59 - 83	16		2.03	1008	10.7	14.6 - 17.9 - 25.3	39	36	34	28	22	-
	500	2670	.067	54 - 66 - 93	24		2.54	1260	16.7	16.3 - 20.0 - 28.3	45	42	41	36	31	18
	600	3204	.097	59 - 72 - 102	31		3.05	1512	24.1	17.9 - 21.9 - 31.0	50	47	46	42	39	26
	700	3738	.132	64 - 78 - 110	36		3.56	1764	32.8	19.3 - 23.7 - 33.5	54	51	51	48	45	33
	800	4271	.172	68 - 83 - 118	41		4.06	2016	42.9	20.7 - 25.3 - 35.8	58	55	55	53	50	38
	900	4805	.218	72 - 88 - 125	45		4.57	2268	54.2	21.9 - 26.8 - 38.0	61	58	58	57	55	43
	1100	5873	.325	80 - 98 - 138	52		5.59	2772	81.0	24.2 - 29.7 - 42.0	67	64	64	64	63	52
	1200	6407	.387	83 - 102 - 144	55		6.10	3024	96.4	25.3 - 31.0 - 43.8	69	66	67	67	67	55
15" x 60"	300	1918	.024	46 - 56 - 79	-	381 x 1524	1.52	905	6.0	13.8 - 17.0 - 24.0	31	28	27	19	11	-
	400	2558	.043	53 - 64 - 91	17		2.03	1207	10.7	16.0 - 19.6 - 27.7	39	36	35	29	23	-
	500	3197	.067	59 - 72 - 102	25		2.54	1509	16.7	17.9 - 21.9 - 31.0	46	43	42	37	32	19
	600	3836	.097	64 - 79 - 112	31		3.05	1811	24.1	19.6 - 24.0 - 33.9	51	48	47	43	39	27
	700	4476	.132	70 - 85 - 121	37		3.56	2112	32.8	21.2 - 25.9 - 36.6	55	52	51	49	46	33
	800	5115	.172	74 - 91 - 129	42		4.06	2414	42.9	22.6 - 27.7 - 39.2	59	56	55	53	51	39
	1000	6394	.269	83 - 102 - 144	50		5.08	3018	67.0	25.3 - 31.0 - 43.8	65	62	62	61	60	48
	1100	7033	.325	87 - 107 - 151	53		5.59	3319	81.0	26.5 - 32.5 - 45.9	68	65	65	64	64	52
	1200	7673	.387	91 - 112 - 158	56		6.10	3621	96.4	27.7 - 33.9 - 48.0	70	67	67	68	68	56
15" x 70"	300	2235	.024	49 - 60 - 85	-	381 x 1778	1.52	1055	6.0	14.9 - 18.3 - 25.9	32	29	27	19	11	-
	400	2979	.043	57 - 70 - 98	18		2.03	1406	10.7	17.3 - 21.1 - 29.9	40	37	36	29	23	-
	500	3724	.067	63 - 78 - 110	26		2.54	1758	16.7	19.3 - 23.6 - 33.4	46	43	42	37	32	20
	600	4469	.097	70 - 85 - 120	32		3.05	2109	24.1	21.1 - 25.9 - 36.6	51	48	48	44	40	27
	700	5214	.132	75 - 92 - 130	38		3.56	2461	32.8	22.8 - 28.0 - 39.5	56	53	52	49	46	34
	800	5959	.172	80 - 98 - 139	42		4.06	2812	42.9	24.4 - 29.9 - 42.3	60	57	56	54	52	40
	1000	7449	.269	90 - 110 - 155	50		5.08	3515	67.0	27.3 - 33.4 - 47.3	66	63	63	62	61	49
	1100	8194	.325	94 - 115 - 163	54		5.59	3867	81.0	28.6 - 35.1 - 49.6	68	65	65	65	65	53
	1200	8938	.387	98 - 120 - 170	57		6.10	4218	96.4	29.9 - 36.6 - 51.8	71	68	68	68	68	57

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. Sound is based on a 0˚ spread; for 20˚ spread, add 4 NC; for 40˚ spread, add 9 NC. Throw is based on a 15˚ upward deflection; for 0˚ deflection, multiply throws by 1.2; for 30˚ deflection, multiply by 0.8. 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 program for performance data not shown, including octave band data.

ENGINEERING SPECIFICATION & CONFIGURATION

DMDR
The industrial supply drum louver shall be a Krueger model DMDR. The DMDR shall be designed to be installed directly to spiral or round duct work without the use of costly transition taps. The frame shall have screw holes. The louver vanes shall be a heavy gage aluminum and fully adjustable. The drum shall be heavy gage aluminum and able to rotate a minimum of 30° up or down from the centerline of the frame.

Optional damper/extractor shall be available and made of plate aluminum and be operable from the face of the drum louver. The damper/extractor, once adjusted, must keep the setting through the operating range of the drum louver as determined by catalog performance data.

PERFORMANCE
The manufacturer shall provide published performance data for the diffuser. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH
The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 – 1.0 mils, gloss at 60° per ASTM D523-89 of 50 – 85%, pencil hardness per ASTM D3363-92A of HB – H, crosshatch adhesion per ASTM D3359-83 of 4B – 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.

1. **SERIES: (XXX)**
   DMDR - Duct Mounted Drum Louver with Radiused End Caps

2. **WIDTH: (XX)**
   9”, 10”, 12”, 14”, 16”, 18”, 24”, 30”, 32”, 34”, 35”, 36”, 40”, 42”, 48”, 50” and 60”

3. **HEIGHT: (XX)**
   4”, 6”, 8”, 10”, 12” or 15”

4. **DUCT DIAMETER: (XX)**
   8” to 48” (in 2” increments)

5. **BORDER: (XXX)**
   C22 - Curved Surface Mount Frame

6. **DAMPER/EXTRACTOR: (XX) (XX) ***
   00 - None
   AS - Air Scoop Volume Extractor
   OB - Heavy Duty Opposed Blade Damper

7. **PATTERN CONTROLLER: (XX) ***
   00 - None
   SV - Split Vane Pattern Controller

8. **FINISH: (XX)**
   01 - Mill
   07 - Enamel Paint Match
   09 - Epoxy Paint Match
   10 - Alumican
   35 - Black
   44 - British White

* Damper/Extractor are mutually exclusive options and must be ordered with unit. Extractor cannot be ordered separately.