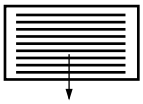
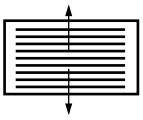
A611 1-Way Adjustable Curved-Blade Register (Page 15)



Face Velocity		300	400	500	600	700	800	900	1000	1100	1200
Pressure Loss		.006	.010	.016	.022	.031	.040	.050	.062	.075	.090
8x4 Ak .107	cfm	30	45	55	65	75	85	95	105	120	130
	Throw	3.5	5.5	6.5	7.5	9	10	11.5	12.5	14	15.5
10x4 Ak .132	cfm	40	55	65	80	90	105	120	130	145	160
	Throw	4	6	7	8.5	9.5	11	12.5	13.5	15.5	17
10x6 Ak .200	cfm	60	80	100	120	140	160	180	200	220	240
	Throw	5	6.5	8.5	10	11.5	13.5	15	16	18	20
12x6 Ak .235	cfm	70	95	120	140	165	190	210	235	260	280
	Throw	5.5	7	9	10.5	12.5	14.5	16	18	20	22
10x8 Ak .264	cfm	80	105	130	160	185	210	240	265	290	315
	Throw	5.5	7.5	9.5	11.5	13	15	17	19	21	23
12x8 Ak .320	cfm	95	130	160	190	225	255	290	320	350	385
	Throw	6	8.5	10.5	12.5	14.5	16.5	19	21	23	25
14x8 Ak .364	cfm	110	145	180	220	255	290	330	365	400	435
	Throw	6.5	8.5	11	13	15.5	17.5	20	22	24	26

Terminal Velocity of 75 fpm

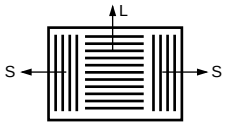
A612 2-Way Adjustable Curved-Blade Register (Page 15)



Face Velocity		300	400	500	600	700	800	900	1000	1100	1200
Pressure Loss		.006	.010	.016	.022	.031	.040	.050	.062	.075	.090
8x4 Ak .107	cfm	30	45	55	65	75	85	95	105	120	130
	Throw	2.5	4	4.5	5.5	6.5	7	8	9	10	11
10x4 Ak .132	cfm	40	55	65	80	90	105	120	130	145	160
	Throw	3	4	5	6	6.5	8	9	9.5	11	12
10x6 Ak .200	cfm	60	80	100	120	140	160	180	200	220	240
	Throw	3.5	4.5	6	7	8.5	9.5	10.5	12	13	14
12x6 Ak .235	cfm	70	95	120	140	165	190	210	235	260	280
	Throw	4	5	6.5	7.5	9	10	11.5	12.5	14	15
10x8 Ak .264	cfm	80	105	130	160	185	210	240	265	290	315
	Throw	4	5.5	6.5	8	9.5	10.5	12	13.5	14.5	16
12x8 Ak .320	cfm	95	130	160	190	225	255	290	320	350	385
	Throw	4.5	6	7.5	8.5	10.5	11.5	13.5	14.5	16	18
14x8 Ak .364	cfm	110	145	180	220	255	290	330	365	400	435
	Throw	4.5	6	7.5	9.5	11	12.5	14	15.5	17	19

Terminal Velocity of 75 fpm

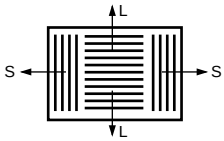
A613 3-Way Adjustable Curved-Blade Register (Page 15)



Face Velocity		300	400	500	600	700	800	900	1000	1100	1200
Pressure Loss		.006	.010	.016	.022	.031	.040	.050	.062	.075	.090
10x6 Ak .200	Total cfm	60	80	100	120	140	160	180	200	220	240
	cfm L/S	22/19	29/26	36/32	43/38	50/45	58/51	65/58	72/64	79/70	86/77
	Throw L/S	3/2	4/4	5/4.5	6/5	7/6.5	8/7.5	9/8.5	10/9.5	11/10.5	12/11.5
8x8 Ak .215	Total cfm	65	85	110	130	150	170	195	215	235	260
	cfm L/S	30/18	39/23	50/30	60/35	68/41	78/46	89/53	98/58	108/64	119/70
	Throw L/S	3.5/3	4.5/3.5	6/4.5	7/5.5	8/6.5	9.5/7	10.5/8	11.5/9	13/10	14/11
12x6 Ak .235	Total cfm	70	95	120	140	165	190	210	235	260	280
	cfm L/S	21/25	28/33	36/42	42/49	49/58	57/67	63/74	70/82	77/91	83/98
	Throw L/S	3/3	4/4	5/5.5	6/6.5	7/7.5	8/8.5	9/9.5	9.5/10.5	10.5/11.5	11.5/12.5
10x10 Ak .330	Total cfm	100	130	165	200	230	265	295	330	365	395
	cfm L/S	36/32	47/42	59/63	72/64	83/74	95/85	106/94	119/106	131/117	142/126
	Throw L/S	4/3.5	5/4.5	6.5/6	7.5/7	9/8.5	10/9.5	11/10.5	12.5/12	14/13	15/14

Terminal Velocity of 75 fpm

A614 4-Way Adjustable Curved-Blade Register (Page 16)



Face Velocity		300	400	500	600	700	800	900	1000	1100	1200
Pressure Loss		.006	.010	.016	.022	.031	.040	.050	.062	.075	.090
8x8 Ak .215	Total cfm	65	85	110	130	150	170	195	215	235	260
	cfm L/S	15/18	20/23	25/30	30/35	35/41	39/46	45/53	49/58	54/64	60/70
	Throw L/S	2.5/3	3.5/3.5	4/4.5	5/5.5	6/6.5	6.5/7	7.5/8	8/9	9/10	10/11
10x10 Ak .33	Total cfm	100	130	165	200	230	265	295	330	365	395
	cfm L/S	18/32	24/42	30/53	36/64	42/74	48/85	53/94	60/106	66/117	71/126
	Throw L/S	2.5/3.5	3.5/4.5	4.5/6	5.5/7	6.5/8.5	7/9.5	8/10.5	9/12	10/13	10.5/14
12x12 Ak .452	Total cfm	135	180	225	270	315	360	405	450	495	540
	cfm L/S	20/47	27/63	34/79	40/95	47/111	54/126	61/142	67/158	74/174	81/190
	Throw L/S	2.5/4	3.5/5.5	4.5/7	5.5/8.5	6.5/10	7.5/11	8.5/12.5	9/14	10/15.5	11/17

Terminal Velocity of 75 fpm