

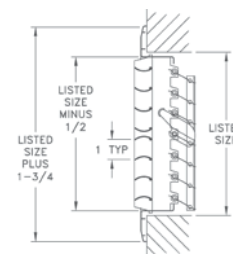
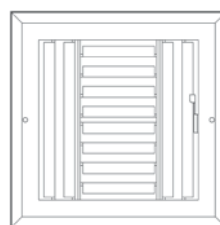
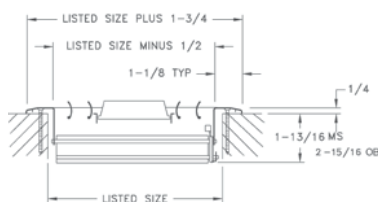
Sidewall Registers & Grilles



A614MS/A614OB Register

- Aluminum face/fin construction
- For sidewall or ceiling application
- Four-way deflection
- Adjustable curved blades increase deflection control
- Galvanized multi-shutter valve or opposed-blade damper
- Bright White finish

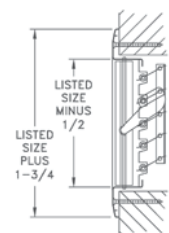
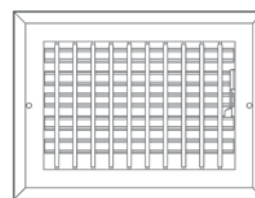
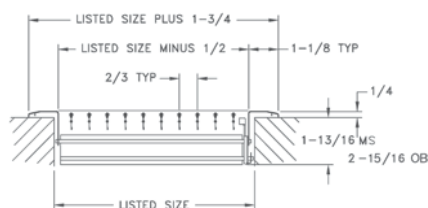
A614 Available Sizes (in.)					
HT	WIDTH				
	6	8	10	12	14
6	X				
8		X			
10			X		
12				X	
14					X



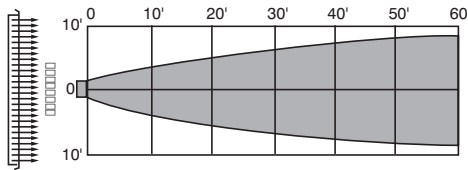
A618MS/A618OB Register

- Aluminum face/fin construction
- Adjustable straight fins provides individual deflection control
- Stamped face margins eliminate mitered corners and rough edges
- Galvanized multi-shutter valve or opposed-blade damper
- Bright White finish

A618 Available Sizes (in.)					
HT	WIDTH				
	6	8	10	12	14
4		X	X	X	X
6	X	X	X	X	X
8		X	X	X	X
10			X		
12				X	
14					X



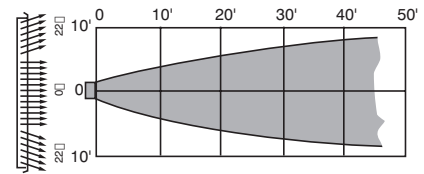
Engineering Data

A618 Adjustable
Fin Register
(Page 18)
Deflection A

Face Velocity	300	400	500	600	700	800	900	1000	1100	1200
Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062	.075	.090
8 x 4 CFM	45	60	80	95	110	125	140	155	170	185
Ak .156 Throw	5.0	6.5	8.5	10.0	12.0	13.0	15.0	16.0	18.0	19.0
10 x 4 CFM	60	80	100	120	140	160	180	200	220	240
Ak .198 Throw	6.0	7.5	9.5	12.0	13.0	15.0	17.0	19.0	20.0	22.0
12 x 4 CFM	70	95	120	145	170	190	215	240	265	290
Ak .240 Throw	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	25.0
10 x 6 CFM	95	125	155	190	220	250	280	315	345	375
Ak .313 Throw	7.0	9.0	12.0	14.0	16.0	19.0	21.0	23.0	26.0	28.0
12 x 6 CFM	115	150	190	225	265	305	340	380	415	455
Ak .379 Throw	8.0	10.0	13.0	15.0	18.0	21.0	23.0	26.0	28.0	31.0
10 x 8 CFM	130	170	215	255	300	340	385	425	470	510
Ak .425 Throw	8.0	11.0	14.0	16.0	19.0	21.0	24.0	27.0	30.0	32.0
14 x 6 CFM	135	180	225	270	310	355	400	445	490	545
Ak .446 Throw	8.0	11.0	14.0	17.0	19.0	22.0	25.0	28.0	30.0	33.0
12 x 8 CFM	160	200	265	320	370	425	475	530	585	635
Ak .530 Throw	9.0	11.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0
14 x 8 CFM	185	250	310	370	435	495	560	620	680	745
Ak .620 Throw	10.0	13.0	16.0	20.0	23.0	26.0	30.0	33.0	36.0	39.0

For sizes not listed or sizing tips see page 40

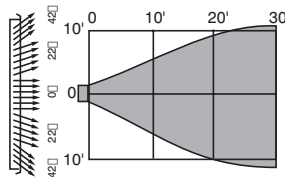
Terminal Velocity of 75 FPM

A618 Adjustable
Fin Register
(Page 18)
Deflection C

Face Velocity	300	400	500	600	700	800	900	1000	1100	1200
Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062	.075	.090
8 x 4 CFM	40	55	70	85	100	115	125	140	155	170
Ak .141 Throw	3.5	5.0	6.5	7.5	9.0	10.0	11.0	13.0	14.0	15.0
10 x 4 CFM	55	70	90	105	125	140	160	180	195	215
Ak .178 Throw	4.0	5.5	7.0	8.5	10.0	11.0	13.0	14.0	16.0	17.0
12 x 4 CFM	65	85	110	130	150	175	195	215	240	260
Ak .216 Throw	4.5	6.0	8.0	9.5	11.0	13.0	14.0	16.0	18.0	19.0
10 x 6 CFM	85	115	140	170	195	225	255	280	310	340
Ak .282 Throw	5.5	7.5	9.0	11.0	12.0	14.0	16.0	18.0	20.0	22.0
12 x 6 CFM	105	135	170	205	240	275	310	340	375	410
Ak .342 Throw	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0
10 x 8 CFM	115	155	195	235	275	310	350	390	430	470
Ak .390 Throw	6.0	8.0	11.0	13.0	15.0	17.0	19.0	21.0	23.0	26.0
14 x 6 CFM	125	165	205	245	290	330	370	410	455	495
Ak .412 Throw	7.0	9.0	11.0	13.0	16.0	18.0	20.0	22.0	24.0	27.0
12 x 8 CFM	140	190	235	280	330	375	425	470	515	565
Ak .470 Throw	7.0	9.0	12.0	14.0	16.0	19.0	21.0	23.0	25.0	28.0
14 x 8 CFM	165	220	275	330	385	440	495	550	605	660
Ak .550 Throw	8.0	10.0	13.0	15.0	18.0	20.0	23.0	25.0	28.0	30.0

For sizes not listed or sizing tips see page 40

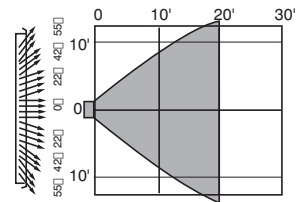
Terminal Velocity of 75 FPM

A618 Adjustable
Fin Register
(Page 18)
Deflection E

Face Velocity	300	400	500	600	700	800	900	1000	1100	1200
Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062	.075	.090
8 x 4 CFM	40	50	65	75	90	100	115	125	140	150
Ak .127 Throw	3.0	4.0	5.0	5.5	7.0	7.5	8.5	9.5	11.0	11.5
10 x 4 CFM	50	65	80	95	115	130	145	160	180	195
Ak .162 Throw	3.0	4.5	5.5	6.5	7.5	8.5	9.5	11.0	12.0	13.0
12 x 4 CFM	60	80	100	120	140	160	175	195	215	235
Ak .197 Throw	4.0	4.5	6.0	7.5	8.5	10.0	11.0	12.0	13.0	14.0
10 x 6 CFM	75	105	130	155	180	205	230	255	285	310
Ak .257 Throw	4.0	5.5	7.5	8.5	9.5	11.0	12.0	14.0	15.0	17.0
12 x 6 CFM	95	125	155	185	220	250	280	310	340	375
Ak .311 Throw	4.5	6.0	7.5	9.0	11.0	12.0	14.0	15.0	17.0	18.0
10 x 8 CFM	105	140	175	210	245	280	315	350	385	420
Ak .350 Throw	5.0	6.0	8.0	10.0	11.0	13.0	14.0	16.0	18.0	19.0
14 x 6 CFM	110	145	185	220	255	290	330	365	400	440
Ak .365 Throw	5.5	6.5	8.5	10.0	11.0	13.0	15.0	16.0	18.0	20.0
12 x 8 CFM	130	175	220	260	305	350	390	435	480	520
Ak .435 Throw	5.0	7.0	9.0	11.0	13.0	15.0	16.0	18.0	20.0	22.0
14 x 8 CFM	155	205	255	305	355	410	460	510	560	610
Ak .510 Throw	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	23.0

For sizes not listed or sizing tips see page 40

Terminal Velocity of 75 FPM

A618 Adjustable
Fin Register
(Page 18)
Deflection G

Face Velocity	300	400	500	600	700	800	900	1000	1100	1200
Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062	.075	.090
8 x 4 CFM	35	45	60	70	85	95	105	120	130	140
Ak .118 Throw	2.0	2.5	3.5	4.0	5.0	5.5	6.0	6.5	7.5	8.0
10 x 4 CFM	45	60	75	90	105	120	135	150	165	180
Ak .149 Throw	2.0	3.0	3.5	4.5	5.0	6.0	6.5	7.5	8.0	9.0
12 x 4 CFM	55	70	90	110	125	145	165	180	200	215
Ak .181 Throw	2.5	3.0	4.0	5.0	5.5	6.5	7.5	8.0	9.0	10.0
10 x 6 CFM	70	95	120	140	165	190	210	235	260	285
Ak .236 Throw	3.0	4.0	5.0	5.5	6.5	7.5	8.5	9.5	10.0	11.0
12 x 6 CFM	85	115	145	170	200	230	255	285	315	345
Ak .286 Throw	3.0	4.0	5.0	6.0	7.0	8.5	9.0	10.0	11.0	12.0
10 x 8 CFM	95	130	160	190	225	255	290	320	350	385
Ak .320 Throw	3.0	4.5	5.5	6.5	7.5	8.5	10.0	11.0	12.0	13.0
14 x 6 CFM	100	135	170	200	235	270	300	335	370	405
Ak .336 Throw	3.5	4.5	5.5	6.5	8.0	9.0	10.0	11.0	12.0	13.0
12 x 8 CFM	120	160	200	235	275	315	355	395	435	475
Ak .395 Throw	3.5	5.0	6.0	7.0	8.0	10.0	11.0	12.0	13.0	15.0
14 x 8 CFM	140	185	230	275	320	370	415	460	505	550
Ak .460 Throw	4.0	5.5	6.5	8.0	9.0	10.5	11.5	13.0	14.5	15.5

For sizes not listed or sizing tips see page 40

Terminal Velocity of 75 FPM

621 Sidewall/Ceiling Register
4-Way Deflection (Page 19)

Face Velocity	300	400	500	600	700	800	900	1000
Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062
6 x 6 CFM	40	55	70	85	100	110	125	140
Ak .14 Throw L/S	4.5/3.5	6.5/5.0	8.0/6.5	10.0/8.0	11.5/9.5	12.5/10.5	14.5/12.0	16.0/13.5
8 x 8 CFM	55	85	110	140	170	195	225	280
Ak .28 Throw L/S	6.5/5.5	9.0/7.5	11.0/9.5	13.5/11.5	15.5/13.0	18.0/15.0	20.0/16.5	22.5/18.5
10 x 10 CFM	130	175	220	265	310	350	395	440
Ak .44 Throw L/S	8.0/6.5	11.0/9.0	14.0/11.5	17.0/14.0	20.0/16.5	22.0/18.0	25.0/21.0	28.0/23.0
12 x 12 CFM	205	270	340	410	475	545	610	680
Ak .68 Throw L/S	10.5/8.5	14.0/11.0	17.5/14.0	21.0/17.0	24.5/19.5	28.0/22.5	30.0/25.0	33.0/28.0
14 x 14 CFM	280	370	465	560	650	745	835	930
Ak .93 Throw L/S	11.0/9.5	14.5/12.5	18.5/16.0	22.0/19.0	26.5/22.0	30.0/25.5	32.5/28.0	36.0/31.0
16 x 16 CFM	385	510	640	770	895	1025	1150	1280
Ak 1.28 Throw L/S	13.0/11.0	17.5/14.0	22.0/18.0	26.5/21.5	30.0/25.0	35.0/28.0	39.0/32.0	43.0/36.0

Terminal Velocity of 75 FPM

