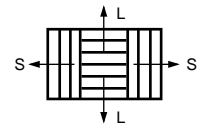


C Series Three-Way

Face Velocity		400	500	600	700	800	900	1000	1100	1200
Pressure Loss		.010	.016	.022	.031	.040	.050	.062	.075	.090
6 x 6 Ak. 090	Total CFM	35	45	55	65	70	80	90	100	110
	CFM L/S	9/13	11/17	15/20	17/24	18/26	22/29	24/33	26/37	30/40
	Throw L/S	2.0/2.0	2.5/3.0	3.0/3.5	3.5/4.0	4.0/4.5	4.5/5.0	5.0/6.0	5.5/6.5	6.0/7.0
8 x 6 Ak. 100	Total CFM	40	50	60	70	80	90	100	110	120
	CFM L/S	18/11	24/13	28/16	32/19	36/22	42/24	46/27	50/30	56/32
	Throw L/S	2.5/2.0	3.0/2.5	3.5/3.0	4.5/3.5	5.0/4.0	5.5/4.5	6.0/5.0	7.0/5.0	7.5/5.5
10 x 6 Ak. 150	Total CFM	60	75	90	105	120	135	150	165	180
	CFM L/S	22/19	27/24	32/29	39/33	44/38	49/43	54/48	61/52	66/57
	Throw L/S	3.0/2.5	3.5/3.0	4.5/4.0	5.0/4.5	6.0/5.0	6.5/5.5	7.0/6.5	8.0/7.0	9.0/7.5
8 x 8 Ak. 160	Total CFM	65	80	95	110	130	145	160	175	190
	CFM L/S	31/17	36/22	43/26	50/30	60/35	67/39	74/43	81/47	88/51
	Throw L/S	3.5/2.5	4.0/3.5	5.0/4.0	5.5/4.5	7.0/5.0	7.5/6.0	8.5/6.5	9.0/7.0	10.0/7.5
12 x 6 Ak. 180	Total CFM	70	90	110	125	145	160	180	200	215
	CFM L/S	20/25	26/32	32/39	37/44	43/51	48/56	54/63	60/70	65/75
	Throw L/S	2.5/3.0	3.5/4.0	4.5/5.0	5.0/5.5	6.5/7.0	7.0/8.0	8.0/8.5	8.5/9.5	9.5/10.0
14 x 6 Ak. 210	Total CFM	85	105	125	145	170	190	210	230	250
	CFM L/S	21/32	27/39	31/47	37/54	44/63	48/71	54/78	58/86	64/93
	Throw L/S	2.5/3.5	3.5/4.5	4.0/5.0	5.0/6.0	6.0/7.0	6.5/8.0	7.0/8.5	8.0/9.5	10.0/12.0
10 x 10 Ak. 240	Total CFM	95	120	145	170	190	215	240	265	290
	CFM L/S	35/30	44/38	53/46	62/54	70/60	79/68	88/76	97/84	106/92
	Throw L/S	3.5/3.0	4.5/4.0	5.5/5.0	6.0/6.0	7.0/6.5	8.0/7.5	9.0/8.0	10.0/9.0	11.0/10.0
12 x 10 Ak. 290	Total CFM	115	145	175	205	230	260	290	320	350
	CFM L/S	35/40	44/51	53/61	62/72	70/80	78/91	88/101	96/112	106/122
	Throw L/S	3.5/4.0	4.5/5.0	5.5/5.5	6.5/7.0	7.0/7.5	8.0/8.5	9.0/9.5	9.5/11.0	11.0/11.0
16 x 8 Ak. 310	Total CFM	125	155	185	215	250	280	310	340	370
	CFM L/S	43/41	55/50	65/60	75/70	88/81	98/91	108/101	120/110	130/120
	Throw L/S	4.0/4.0	5.0/4.5	6.0/5.5	7.0/6.5	8.0/7.5	9.0/8.5	10.0/9.5	11.0/10.0	12.0/11.0
12 x 12 Ak. 350	Total CFM	140	175	210	245	280	315	350	385	420
	CFM L/S	42/49	53/61	62/74	73/86	84/98	95/110	105/123	115/135	126/147
	Throw L/S	4.0/4.0	5.0/5.0	6.0/6.5	6.5/7.5	7.5/8.5	8.5/9.5	9.5/10.0	11.0/11.0	13.0/13.0
16 x 12 Ak. 460	Total CFM	185	230	275	320	370	415	460	505	550
	CFM L/S	65/60	80/75	97/89	113/104	130/120	146/134	162/149	178/164	194/178
	Throw L/S	4.5/4.5	6.0/5.5	7.0/7.0	8.5/8.0	9.5/9.0	11.0/10.0	12.0/11.0	13.0/12.0	14.0/14.0
14 x 14 Ak. 480	Total CFM	190	240	290	335	385	430	480	530	575
	CFM L/S	48/71	62/89	74/108	86/125	99/143	110/160	123/179	136/197	147/214
	Throw L/S	4.0/5.0	5.0/6.5	6.5/7.5	7.5/9.0	8.5/10.0	9.5/11.0	10.0/13.0	12.0/14.0	13.0/15.0
16 x 16 Ak. 630	Total CFM	250	315	380	440	505	565	630	695	755
	CFM L/S	88/81	111/102	134/123	155/143	178/164	199/183	222/204	245/225	266/245
	Throw L/S	5.5/5.5	7.0/7.0	8.5/8.0	9.5/9.5	11.0/11.0	13.0/12.0	14.0/13.0	15.0/15.0	17.0/16.0
20 x 14 Ak. 680	Total CFM	270	340	410	475	545	610	680	750	815
	CFM L/S	76/97	95/122	115/148	133/171	153/196	171/220	190/245	210/270	228/293
	Throw L/S	5.0/6.0	6.5/7.0	7.5/9.0	9.0/10.0	10.0/12.0	12.0/13.0	13.0/15.0	14.0/16.0	15.0/17.0
24 x 12 Ak. 700	Total CFM	280	350	420	490	560	630	700	770	840
	CFM L/S	90/95	112/119	134/143	156/167	178/191	200/215	222/239	244/263	268/286
	Throw L/S	5.5/5.5	7.0/7.0	8.5/8.5	9.5/10.0	11.0/12.0	12.0/13.0	14.0/14.0	15.0/16.0	17.0/17.0
30 x 10 Ak. 730	Total CFM	290	365	440	510	585	655	730	805	875
	CFM L/S	92/99	117/124	140/150	164/173	187/199	210/223	234/248	258/274	280/298
	Throw L/S	5.5/6.0	7.0/7.5	8.5/9.0	10.0/10.0	11.0/12.0	13.0/13.0	14.0/15.0	16.0/16.0	17.0/18.0
36 x 10 Ak. 880	Total CFM	350	440	530	615	705	790	880	970	1055
	CFM L/S	113/118	143/149	172/179	199/208	228/238	256/267	285/297	314/328	342/357
	Throw L/S	6.5/6.5	8.0/8.0	9.5/9.5	11.0/11.0	13.0/13.0	14.0/14.0	16.0/16.0	17.0/18.0	19.0/19.0
36 x 12 Ak. 1050	Total CFM	420	525	630	735	840	945	1050	1155	1260
	CFM L/S	135/142	169/178	203/214	237/249	270/285	304/320	338/356	372/392	406/427
	Throw L/S	7.0/7.0	8.5/9.0	10.0/11.0	12.0/12.0	14.0/14.0	15.0/16.0	17.0/18.0	19.0/19.0	20.0/21.0
30 x 16 Ak. 1150	Total CFM	460	575	690	805	920	1035	1150	1265	1380
	CFM L/S	148/156	183/196	220/235	258/274	294/313	331/352	368/391	405/430	442/469
	Throw L/S	7.0/7.0	9.0/9.0	10.0/11.0	12.0/13.0	14.0/15.0	16.0/16.0	18.0/18.0	19.0/20.0	21.0/22.0
36 x 16 Ak. 1400	Total CFM	560	700	840	980	1120	1260	1400	1540	1680
	CFM L/S	180/190	226/237	270/285	316/332	360/380	406/427	450/475	496/522	540/570
	Throw L/S	8.0/8.0	10.0/10.0	12.0/12.0	14.0/14.0	16.0/16.0	18.0/18.0	20.0/20.0	22.0/22.0	23.0/24.0

For sizes not listed and sizing tips see page(s) 76

Terminal Velocity of 75 FPM



C Series Four-Way

Face Velocity		400	500	600	700	800	900	1000	1100	1200
Pressure Loss		.010	.016	.022	.031	.040	.050	.062	.075	.090
6 x 6 Ak. 090	Total CFM	35	45	55	65	70	80	90	100	110
	CFM L/S	5/13	6/17	7/20	9/24	9/26	11/29	12/33	13/37	15/40
	Throw L/S	1.5/2.0	1.5/3.0	2.0/3.5	2.5/4.0	2.5/4.5	3.0/5.0	3.5/6.0	4.0/6.5	4.5/7.0
8 x 6 Ak. 100	Total CFM	40	50	60	70	80	90	100	110	120
	CFM L/S	9/11	12/13	14/16	16/19	18/22	21/24	23/27	25/30	28/32
	Throw L/S	1.5/1.5	2.5/2.0	3.0/2.5	3.5/3.0	4.0/3.5	4.5/4.0	5.0/4.5	5.5/5.0	6.0/5.5
10 x 6 Ak. 150	Total CFM	60	75	90	105	120	135	150	165	180
	CFM L/S	11/19	14/24	16/29	19/33	22/38	25/43	27/48	30/52	33/57
	Throw L/S	2.0/2.5	2.5/3.5	3.0/4.0	3.5/4.5	4.0/5.5	4.5/6.0	5.0/7.0	5.5/7.5	6.0/8.0
8 x 8 Ak. 160	Total CFM	65	80	95	110	130	145	160	175	190
	CFM L/S	15/17	18/22	22/26	25/30	30/35	33/39	37/43	40/47	44/51
	Throw L/S	2.5/2.0	3.0/2.5	3.5/3.0	4.0/3.5	5.0/4.5	5.5/5.0	6.0/5.5	6.5/6.0	7.0/6.5
12 x 6 Ak. 180	Total CFM	70	90	110	125	145	160	180	200	215
	CFM L/S	10/25	13/32	16/39	19/44	22/51	24/56	27/63	30/70	32/75
	Throw L/S	2.0/3.0	2.5/4.0	3.0/5.0	3.5/5.5	4.0/6.5	4.5/7.0	5.0/8.0	5.5/8.5	6.0/9.5
14 x 6 Ak. 210	Total CFM	85	105	125	145	170	190	210	230	250
	CFM L/S	11/32	13/39	16/47	18/54	22/63	24/71	27/78	29/86	32/93
	Throw L/S	2.0/3.5	2.5/4.5	3.0/5.0	3.5/6.0	4.0/7.0	4.5/8.0	5.0/8.5	5.5/9.5	6.0/10.0
10 x 10 Ak. 240	Total CFM	95	120	145	170	190	215	240	265	290
	CFM L/S	35/30	44/38	53/46	62/54	70/60	79/68	88/76	97/84	106/92
	Throw L/S	3.5/3.0	4.5/4.0	5.5/5.0	6.0/6.0	7.0/6.5	8.0/7.5	9.0/8.0	10.0/9.0	11.0/10.0
12 x 10 Ak. 290	Total CFM	115	145	175	205	230	260	290	320	350
	CFM L/S	35/40	44/51	53/61	62/72	70/80	78/91	88/101	96/112	106/122
	Throw L/S	3.5/4.0	4.5/5.0	5.5/5.5	6.5/7.0	7.0/7.5	8.0/8.5	9.0/9.5	9.5/11.0	11.0/11.0
16 x 8 Ak. 310	Total CFM	125	155	185	215	250	280	310	340	370
	CFM L/S	43/41	55/50	65/60	75/70	88/81	98/91	108/101	120/110	130/120
	Throw L/S	4.0/4.0	5.0/4.5	6.0/5.5	7.0/6.5	8.0/7.5	9.0/8.5	10.0/9.5	11.0/10.0	12.0/11.0
12 x 12 Ak. 350	Total CFM	140	175	210	245	280	315	350	385	420
	CFM L/S	42/49	53/61	62/74	73/86	84/98	95/110	105/123	115/135	126/147
	Throw L/S	4.0/4.0	5.0/5.0	6.0/6.5	6.5/7.5	7.5/8.5	8.5/9.5	9.5/10.0	11.0/11.0	13.0/13.0
16 x 12 Ak. 460	Total CFM	185	230	275	320	370	415	460	505	