

Face Velocity		300		400		500		600		700		800		900		1000	
Pressure Loss		.006		.010		.016		.022		.031		.040		.050		.062	
		H	C	H	C	H	C	H	C	H	C	H	C	H	C	H	C
2 x 10	CFM							35	35	40	40	45	50	55	55	60	60
Ak .055 Heating	Spread							3.5		4.5		5.0		5.5		5.5	
Ak .060 Cooling	Throw							4.0	6.0	5.5	7.5	6.0	8.5	6.5	9.0	7.0	10.0
2 x 12	CFM					35	35	40	45	45	50	55	60	60	65	65	75
Ak .067 Heating	Spread					3.5		4.0		4.5		5.0		5.5		6.0*	
Ak .074 Cooling	Throw					4.0	6.0	5.0	6.5	5.5	7.5	6.0	9.0	7.0	10.0	8.0	11.0
2 x 14	CFM			30	35	40	45	45	50	55	60	65	70	70	80	80	85
Ak .079 Heating	Spread			3.0		4.0		4.5		5.0		5.5		6.0*		6.0*	
Ak .087 Cooling	Throw			3.5	4.5	5.0	6.0	5.5	7.0	6.5	8.5	7.5	10.0	8.0	11.5	8.5	12.5
4 x 10	CFM	35	40	45	50	55	65	70	75	80	90	90	100	105	115	115	125
Ak .115 Heating	Spread	3.0		3.5		4.5		5.5		6.0*		6.0*		6.0*		6.0*	
Ak .125 Cooling	Throw	3.0	4.5	4.0	6.0	5.5	7.5	6.5	9.5	7.5	10.5	8.5	11.5	9.5	13.5	11.5	15.0
4 x 12	CFM	40	50	55	65	70	80	85	95	100	110	115	130	125	145	140	160
Ak .140 Heating	Spread	3.0		4.0		5.0		5.5		6.0*		6.0*		6.0*		6.0*	
Ak .160 Cooling	Throw	3.5	5.0	4.5	6.5	6.0	8.5	7.5	10.0	11.0	11.5	10.0	13.0	11.0	15.0	12.0	17.0
4 x 14	CFM	50	55	65	70	80	90	100	110	115	125	130	145	150	160	165	180
Ak .165 Heating	Spread	3.5		4.5		5.0		6.0*		6.0*		6.0*		6.0*		6.0*	
Ak .180 Cooling	Throw	4.0	5.5	5.5	7.0	6.5	9.5	8.0	11.0	10.0	12.5	11.0	14.0	12.0	15.5	13.5	17.5
6 x 10	CFM	60	60	75	80	95	105	115	125	135	145	150	165	170	185	190	205
Ak .190 Heating	Spread	3.5		4.5		5.5		6.0*		6.0*		6.0*		6.0*		6.0*	
Ak .205 Cooling	Throw	4.5	6.0	5.5	7.5	7.0	9.5	8.5	11.0	10.0	13.0	11.0	15.0	12.5	16.5	14.0	18.5
6 x 12	CFM	70	75	90	100	115	125	135	150	160	175	180	200	205	225	225	250
Ak .225 Heating	Spread	4.0		5.0		6.0*		6.0*		6.0*		6.0*		6.0*		6.0*	
Ak .250 Cooling	Throw	5.0	6.5	6.0	8.5	8.0	10.5	9.0	12.0	11.0	15.0	12.5	16.5	14.0	18.5	16.0	21.0
6 x 14	CFM	80	90	105	120	135	150	160	180	185	210	210	240	240	270	265	300
Ak .265 Heating	Spread	4.5		5.0		6.0*		6.0*		6.0*		6.0*		6.0*		6.0*	
Ak .300 Cooling	Throw	5.0	7.0	7.0	9.5	8.5	11.5	10.0	13.5	12.0	16.0	13.5	18.0	16.0	20.5	17.5	23.5

The spread shown for the heating mode is for a valve setting of 22° left deflection. *The maximum value given for spread for heating is that which occurs at the ceiling height (8 feet). The cooling spread is a straight vertical column of air and is not shown. Throw and spread values are based on a terminal velocity of 50 FPM.