



**USAIRE**

# MODEL 5200

## Model 5200 Square Ceiling Diffuser

CFM	Size	6x6	8x8	10x10	12x12	14x14	16x16	18x18	20x20	22x22	24x24
100	Neck Velocity	400	225	114	100						
	PS	.004	.001	.001	.001						
	Throw	20 17 14 12	17 14 12 10	14 12 10 9	12 10 8 7						
200	Neck Velocity	800	450	288	200	147					
	PS	.014	.004	.002	.001	.001					
	Throw	33 27 23 20	27 22 19 16	23 19 16 14	21 17 14 12	18 15 13 11					
300	Neck Velocity		675	432	300	220					
	PS		.008	.004	.002	.001					
	Throw		35 30 25 22	35 30 25 22	27 22 19 15	24 20 17 15					
400	Neck Velocity		900	576	400	294					
	PS		.019	.008	.004	.002					
	Throw		47 39 32 29	40 34 28 24	35 30 25 22	32 27 22 19					
600	Neck Velocity			864	600	441	216				
	PS			.017	.008	.003	.001				
	Throw			52 43 36 32	43 36 30 26	41 34 28 25	30 25 21 19				
800	Neck Velocity				800	588	450	356	288	238	200
	PS				.018	.008	.005	.003	.002	.001	.001
	Throw				57 48 40 35	51 43 36 31	47 39 32 29	43 37 30 27	40 34 28 24	35 29 24 21	33 27 23 20
1000	Neck Velocity					735	563	444	360	298	250
	PS					.014	.009	.006	.003	.002	.001
	Throw					63 52 43 38	57 48 40 35	53 45 37 33	49 41 34 30	40 34 28 25	38 32 26 23

**Performance Notes:**

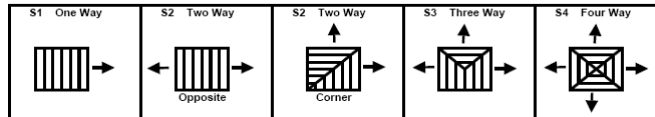
All data are tested in accordance with ANSI / ASHRAE 70-2006

PS Static Pressure

Throw Throws indicated are based on total number of feet of projected air when a terminal velocity of 50 fpm is reached.

Numbers reported in chart are, from left to right, for 1, 2, 3 and 4-way throw patterns

Inlet Velocity = fpm ( Feet Per Minute )



For sizes not shown, refer to online tools **GRD Selection Program** performance calculator on Home Page