

THERMA-FUSER™

THERMALLY POWERED VAV DIFFUSER



VARIABLE AIR VOLUME SYSTEMS OPTIMIZED

PERFORMANCE GUIDE

Models: STR-C VAV cooling only.
STR-HC VAV heating and VAV cooling.

Performance Chart - I-P

Inlet Designation	Inlet Diameter in	Inlet Static Pressure in wg	Maximum Flow CFM	Maximum Flow				25% Maximum Flow			
				Throw (ft)* @ v _i =			¹ NC	Throw (ft)* @ v _i =			¹ NC
				50 FPM	100 FPM	150 FPM		50 FPM	100 FPM	150 FPM	
6	5 15/16	0.05	95	3	1	< 1	22	< 1	< 1	< 1	< 15
		0.10	130	4	2	1	24	2	< 1	< 1	18
		• 0.12	144	4	2	1	24	2	< 1	< 1	19
		0.15	165	5	3	1	25	3	< 1	< 1	21
		0.20	190	6	4	2	28	4	2	< 1	23
		0.25	215	7	4	2	31	4	2	1	24
8	7 15/16	0.05	160	4	2	< 1	< 15	2	1	< 1	< 15
		0.10	218	6	2	1	22	3	2	< 1	< 15
		• 0.13	252	7	2	1	26	4	2	< 1	< 15
		0.15	275	8	3	1	29	4	2	< 1	< 15
		0.20	318	9	3	2	34	5	3	2	19
		0.25	360	9	4	2	39	6	3	2	22
10	9 15/16	0.05	240	6	4	2	21	3	1	< 1	19
		0.10	333	8	6	3	27	5	3	< 1	20
		• 0.14	407	9	7	4	32	6	4	1	21
		0.15	425	9	7	4	33	6	4	1	21
		0.20	495	10	8	5	38	7	5	2	25
		0.25	565	11	8	5	43	7	5	2	29
12	11 15/16	0.05	320	8	4	1	16	5	1	< 1	16
		0.10	448	9	6	3	27	6	2	1	18
		0.15	540	10	7	4	36	7	2	1	19
		• 0.17	576	10	7	4	38	7	2	1	21
		0.20	630	11	8	5	41	8	3	1	24
		0.25	720	11	8	6	45	8	4	1	28

NOTES

- Denotes 750 fpm / 3.81 m/s inlet velocity.
- *Throw data is for air 20°F/11°C lower than room temperature. Throws for isothermal air are 40 to 50% greater.
- ¹NC based on L_w(10⁻¹² watts reference) -10db
- Tested in accordance with ANSI/ASHRAE 70-2006, ANSI S12.31, ARI 890-2001, ISO 5219 and ISO 3741.
- Ratings independently verified by Inchcape Testing Services, ETL Testing Laboratories (pending).