

# PERFORMANCE DATA

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

## Performance Chart – I-P (Inch Pound)

Inlet Designation	Inlet Diameter in	Inlet Static Pressure in wg	Maximum Flow CFM	Maximum Flow				Maximum Flow			
				Throw (ft)* @v <sub>t</sub> =				Throw (ft)* @v <sub>t</sub> =			
				50 FPM	100 FPM	150 FPM	'NC	50 FPM	100 FPM	150 FPM	'NC
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
		<sup>1</sup> 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
		<sup>1</sup> 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
		<sup>1</sup> 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
		<sup>1</sup> 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

**Performance Notes:**

- <sup>1</sup>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.
- 'NC based on Lw(10<sup>-12</sup> watts reference) -10db
- Tested in accordance with ANSI/ASHRAE 70-1991, ANSI S12.31, ARI 890-2001, ISO 5219 and ISO 3741.
- Ratings independently verified by inchcape Testing Services, ETL Testing Laboratories (pending).

# PERFORMANCE DATA

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

## Performance Chart – SI (Metric)

Inlet Designation	Nominal Inlet Diameter mm	Inlet Static Pressure Pa	Maximum Flow		Maximum Flow				25% Maximum Flow			
					Throw (m)* @v <sub>t</sub> =				Throw (m)* @v <sub>t</sub> =			
			L/s	m <sup>3</sup> /h	0.25 m/s	0.50 m/s	0.75 m/s	‘NC	0.25 m/s	0.50 m/s	0.75 m/s	‘NC
6	150	10	42	150	0.9	0.3	0.3	22	0.2	< 0.3	< 0.3	< 15
		20	55	198	1.1	0.5	0.3	23	0.5	< 0.3	< 0.3	< 15
		‘30	68	245	1.4	0.8	0.3	24	0.7	< 0.3	< 0.3	19
		40	80	290	1.6	1.0	0.4	26	1.0	0.4	<0.3	21
		50	90	324	1.8	1.1	0.5	28	1.1	0.5	0.3	23
		60	99	358	2.1	1.2	0.6	30	1.2	0.6	0.3	24
8	200	10	70	253	1.1	0.6	0.3	< 15	0.6	0.3	< 0.3	< 15
		20	92	331	1.6	0.7	0.3	19	0.8	0.4	< 0.3	< 15
		‘30	114	410	2.1	0.8	0.3	25	1.0	0.5	< 0.3	< 15
		40	134	483	2.5	0.9	0.4	30	1.3	0.7	0.4	16
		50	150	541	2.6	1.0	0.5	34	1.5	0.8	0.5	19
		60	166	599	2.7	1.2	0.6	38	1.8	0.9	0.6	21
10	250	10	105	377	1.7	1.1	0.6	< 15	0.8	0.2	< 0.3	< 15
		20	140	504	2.1	1.5	0.8	22	1.2	0.6	< 0.3	18
		‘30	175	630	2.5	1.9	1.1	29	1.6	1.0	0.3	20
		40	208	748	2.8	2.2	1.4	34	1.9	1.3	0.4	22
		50	234	844	3.1	2.3	1.4	38	2.0	1.4	0.5	25
		60	261	939	3.3	2.4	1.5	42	2.1	1.5	0.6	28
12	300	10	139	501	2.4	1.2	0.2	< 15	1.5	0.3	< 0.3	< 15
		20	188	676	2.7	1.6	0.7	23	1.7	0.5	0.3	17
		30	229	826	2.9	1.9	1.0	31	2.0	0.6	0.3	19
		‘40	264	951	3.1	2.2	1.3	37	2.2	0.7	0.3	20
		50	298	1074	3.2	2.3	1.6	41	2.3	1.0	0.3	24
		60	332	1197	3.3	2.4	1.8	44	2.4	1.2	0.3	27

**Performance Notes:**

1. All SI (metric) ratings are soft conversion from I-P ratings.
2. ‘Denotes 750 fpm/ 3.81 m/s inlet velocity.
3. \*Throw data is for air 20°F/11°C lower than room temperature. Throws for isothermal air are 40 to 50% greater.
4. ‘NC based on Lw(10<sup>-12</sup> watts reference) -10db
5. Tested in accordance with ANSI/ASHRAE 70-1991, ANSI S12.31, ARI 890-2001, ISO 5219 and ISO 3741.
6. Ratings independently verified by inhcape Testing Services, ETL Testing Laboratories (pending).