

## Performance Data

Model 92FRP-1SS • 90° Pattern  
Imperial Units

24" x 24" or 600 mm x 600 mm Module Size • 8" (203 mm) dia. Inlet

Airflow CFM	Pt	Ps	NC	T Spread			T Vertical Throw @ 5°F ΔT			T Vertical Throw @ 10°F ΔT			T Vertical Throw @ 15°F ΔT		
				100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM
200	.054	.032	20	1	2	3	1	1	2	1	2	2	1	2	3
300	.121	.072	26	1	3	4	1	2	3	1	2	3	2	3	4
400	.215	.128	35	2	3	4	2	3	5	2	3	5	3	4	7
500	.336	.200	41	3	4	5	2	4	6	2	4	7	4	5	8
600	.484	.288	45	4	5	6	3	4	7	4	7	9	5	8	10

24" x 24" or 600 mm x 600 mm Module Size • 10" (254 mm) dia. Inlet

Airflow CFM	Pt	Ps	NC	T Spread			T Vertical Throw @ 5°F ΔT			T Vertical Throw @ 10°F ΔT			T Vertical Throw @ 15°F ΔT		
				100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM
200	.025	.016	20	1	2	4	1	1	2	1	2	2	1	2	3
300	.056	.036	20	2	3	5	1	2	3	1	2	4	2	3	4
400	.099	.064	28	3	4	6	2	3	5	2	3	6	4	5	7
500	.155	.100	33	4	5	7	2	4	7	3	5	8	5	6	9
600	.223	.144	36	4	6	8	4	6	8	4	7	10	6	9	10

48" x 24" or 1200 mm x 600 mm Module Size • 10" (254 mm) dia. Inlet

Airflow CFM	Pt	Ps	NC	T Spread			T Vertical Throw @ 5°F ΔT			T Vertical Throw @ 10°F ΔT			T Vertical Throw @ 15°F ΔT		
				100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM
400	.096	.061	24	1	2	3	2	4	6	3	4	6	4	5	7
500	.150	.095	28	1	2	3	3	4	6	3	5	7	4	6	8
600	.216	.136	33	2	2	4	3	5	7	5	6	7	5	6	8
700	.294	.186	37	2	3	4	4	5	7	5	6	8	6	7	9
800	.383	.242	41	3	4	5	4	6	8	6	7	8	6	8	9
900	.485	.307	46	3	4	6	5	6	8	6	7	9	7	8	10

48" x 24" or 1200 mm x 600 mm Module Size • 12" (305 mm) dia. Inlet

Airflow CFM	Pt	Ps	NC	T Spread			T Vertical Throw @ 5°F ΔT			T Vertical Throw @ 10°F ΔT			T Vertical Throw @ 15°F ΔT		
				100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM	100 FPM	75 FPM	50 FPM
500	.079	.053	20	1	2	3	3	4	7	4	5	7	4	6	8
600	.114	.076	23	2	3	4	4	5	7	5	6	8	5	7	9
700	.155	.103	27	3	3	5	4	6	8	6	7	9	6	8	9
800	.202	.135	31	3	4	5	5	7	8	6	8	9	7	9	10
900	.256	.171	37	3	4	6	6	7	9	7	9	10	8	9	10
1000	.316	.211	44	4	5	7	7	8	9	8	9	10	8	10	10

CFM - cubic feet per minute

FPM - feet per minute velocity

Pt - total pressure - inches w.g.

Ps - static pressure - inches w.g.

T - throw or spread in feet

NC - Noise Criteria (values) based on 10 dB room absorption, re 10<sup>-12</sup> watts.

### Performance Notes:

1. The radial flow pattern of the 92FRP-1SS is unlike conventional air distribution devices. The data presented above describes isovels by average terminal velocity in both horizontal and vertical directions.

2. ΔT is the temperature difference between supply and room air.

3. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

## Performance Data

Model 92FRP-1SS • 90° Pattern

Metric Units

610 mm x 610 mm or 600 mm x 600 mm Module Size • 8" (203 mm) dia. Inlet

Airflow L/S	Pt	Ps	NC	T Spread			T Vertical Throw @ 3°C ΔT			T Vertical Throw @ 5.5°C ΔT			T Vertical Throw @ 8.5°C ΔT		
				0.51 M/S	0.38 M/S	0.25 M/S	0.51 M/S	0.38 M/S	0.25 M/S	0.51 M/S	0.38 M/S	0.25 M/S	0.51 M/S	0.38 M/S	0.25 M/S
94	13	8	<20	0.3	0.6	0.9	0.3	0.3	0.6	0.3	0.6	0.6	0.3	0.6	0.9
142	30	18	26	0.3	0.9	1.2	0.3	0.6	0.9	0.3	0.6	0.9	0.6	0.9	1.2
189	53	32	35	0.6	0.9	1.2	0.6	0.9	1.5	0.6	0.9	1.5	0.9	1.2	2.1
236	84	50	41	0.9	1.2	1.5	0.6	1.2	1.8	0.6	1.2	2.1	1.2	1.5	2.4
283	120	72	45	1.2	1.5	1.8	0.9	1.2	2.1	1.2	2.1	2.7	1.5	2.4	3.0

610 mm x 610 mm or 600 mm x 600 mm Module Size • 10" (254 mm) dia. Inlet

Airflow L/S	Pt	Ps	NC	T Spread			T Vertical Throw @ 3°C ΔT			T Vertical Throw @ 5.5°C ΔT			T Vertical Throw @ 8.5°C ΔT		
				0.51 M/S	0.38 M/S	0.25 M/S	0.51 M/S	0.38 M/S	0.25 M/S	0.51 M/S	0.38 M/S	0.25 M/S	0.51 M/S	0.38 M/S	0.25 M/S
94	6	4	<20	0.3	0.6	1.2	0.3	0.3	0.6	0.3	0.6	0.6	0.3	0.6	0.9
142	14	9	20	0.6	0.9	1.5	0.3	0.6	0.9	0.3	0.6	1.2	0.6	0.9	1.2
189	25	16	28	0.9	1.2	1.8	0.6	0.9	1.5	0.6	0.9	1.8	1.2	1.5	2.1
236	39	25	33	1.2	1.5	2.1	0.6	1.2	2.1	0.9	1.5	2.4	1.5	1.8	2.7
283	55	36	36	1.2	1.8	2.4	1.2	1.8	2.4	1.2	2.1	3.0	1.8	2.7	3.0

1219 mm x 610 mm or 1200 mm x 600 mm Module Size • 10" (254 mm) dia. Inlet

Airflow L/S	Pt	Ps	NC	T Spread			T Vertical Throw @ 3°C ΔT			T Vertical Throw @ 5.5°C ΔT			T Vertical Throw @ 8.5°C ΔT		
				0.51 M/S	0.38 M/S	0.25 M/S	0.51 M/S	0.38 M/S	0.25 M/S	0.51 M/S	0.38 M/S	0.25 M/S	0.51 M/S	0.38 M/S	0.25 M/S
189	24	15	24	0.3	0.6	0.9	0.6	1.2	1.8	0.9	1.2	1.8	1.2	1.5	2.1
236	37	24	28	0.3	0.6	0.9	0.9	1.2	1.8	0.9	1.5	2.1	1.2	1.8	2.4
283	54	34	33	0.6	0.6	1.2	0.9	1.5	2.1	1.5	1.8	2.1	1.5	1.8	2.4
330	73	46	37	0.6	0.9	1.2	1.2	1.5	2.1	1.5	1.8	2.4	1.8	2.1	2.7
378	95	60	41	0.9	1.2	1.5	1.2	1.8	2.4	1.8	2.1	2.4	1.8	2.4	2.7
425	121	76	46	0.9	1.2	1.8	1.5	1.8	2.4	1.8	2.1	2.7	2.1	2.4	3.0

1219 mm x 610 mm or 1200 mm x 600 mm Module Size • 12" (305 mm) dia. Inlet

Airflow L/S	Pt	Ps	NC	T Spread			T Vertical Throw @ 3°C ΔT			T Vertical Throw @ 5.5°C ΔT			T Vertical Throw @ 8.5°C ΔT		
				0.51 M/S	0.38 M/S	0.25 M/S	0.51 M/S	0.38 M/S	0.25 M/S	0.51 M/S	0.38 M/S	0.25 M/S	0.51 M/S	0.38 M/S	0.25 M/S
236	20	13	20	0.3	0.6	0.9	0.9	1.2	2.1	1.2	1.5	2.1	1.2	1.8	2.4
283	28	19	23	0.6	0.9	1.2	1.2	1.5	2.1	1.5	1.8	2.4	1.5	2.1	2.7
330	39	26	27	0.9	0.9	1.5	1.2	1.8	2.4	1.8	2.1	2.7	1.8	2.4	2.7
378	50	34	31	0.9	1.2	1.5	1.5	2.1	2.4	1.8	2.4	2.7	2.1	2.7	3.0
425	64	43	37	0.9	1.2	1.8	1.8	2.1	2.7	2.1	2.7	3.0	2.4	2.7	3.0
472	79	52	44	1.2	1.5	2.1	2.1	2.4	2.7	2.4	2.7	3.0	2.4	3.0	3.0

**L/S** - litres per second  
**M/S** - meters per second velocity  
**Pt** - total pressure - Pa  
**Ps** - static pressure - Pa  
**T** - throw or spread in meters  
**NC** - Noise Criteria (values) based on 10 dB room absorption, re 10<sup>-12</sup> watts.

### Performance Notes:

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