

## Performance Data

Model 92FRPF-2SS • 180° Two-Way Pattern with HEPA Filter

### Imperial Units

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

| Airflow<br>CFM | Pt   | Ps   | NC | T Horizontal<br>≤15°F ΔT |           |           | T Vertical Throw @<br>5°F ΔT |           |           | T Vertical Throw @<br>10°F ΔT |           |           | T Vertical Throw @<br>15°F ΔT |           |           |
|----------------|------|------|----|--------------------------|-----------|-----------|------------------------------|-----------|-----------|-------------------------------|-----------|-----------|-------------------------------|-----------|-----------|
|                |      |      |    | 100<br>FPM               | 75<br>FPM | 50<br>FPM | 100<br>FPM                   | 75<br>FPM | 50<br>FPM | 100<br>FPM                    | 75<br>FPM | 50<br>FPM | 100<br>FPM                    | 75<br>FPM | 50<br>FPM |
| 150            | 0.33 | 0.32 | —  | 1                        | 1         | 2         | 0                            | 1         | 1         | 0                             | 1         | 2         | 0                             | 1         | 2         |
| 200            | 0.61 | 0.59 | —  | 1                        | 1         | 2         | 1                            | 1         | 1         | 1                             | 1         | 2         | 1                             | 1         | 2         |
| 300 *          | 1.38 | 1.33 | 28 | 1                        | 2         | 3         | 1                            | 2         | 2         | 1                             | 2         | 3         | 1                             | 2         | 3         |
| 400            | 2.46 | 2.37 | 37 | 2                        | 3         | 4         | 1                            | 3         | 4         | 2                             | 3         | 4         | 2                             | 4         | 5         |

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

| Airflow<br>CFM | Pt   | Ps   | NC | T Horizontal<br>≤15°F ΔT |           |           | T Vertical Throw @<br>5°F ΔT |           |           | T Vertical Throw @<br>10°F ΔT |           |           | T Vertical Throw @<br>15°F ΔT |           |           |
|----------------|------|------|----|--------------------------|-----------|-----------|------------------------------|-----------|-----------|-------------------------------|-----------|-----------|-------------------------------|-----------|-----------|
|                |      |      |    | 100<br>FPM               | 75<br>FPM | 50<br>FPM | 100<br>FPM                   | 75<br>FPM | 50<br>FPM | 100<br>FPM                    | 75<br>FPM | 50<br>FPM | 100<br>FPM                    | 75<br>FPM | 50<br>FPM |
| 150            | 0.32 | 0.31 | —  | 1                        | 1         | 2         | 0                            | 1         | 1         | 0                             | 1         | 2         | 0                             | 1         | 2         |
| 200            | 0.60 | 0.58 | —  | 1                        | 1         | 2         | 1                            | 1         | 1         | 1                             | 1         | 2         | 1                             | 1         | 2         |
| 300 *          | 1.32 | 1.30 | 22 | 1                        | 1         | 2         | 1                            | 2         | 2         | 1                             | 2         | 3         | 1                             | 2         | 4         |
| 400            | 2.34 | 2.30 | 30 | 1                        | 2         | 3         | 1                            | 3         | 5         | 2                             | 3         | 5         | 2                             | 4         | 6         |

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

| Airflow<br>CFM | Pt   | Ps   | NC | T Horizontal<br>≤15°F ΔT |           |           | T Vertical Throw @<br>5°F ΔT |           |           | T Vertical Throw @<br>10°F ΔT |           |           | T Vertical Throw @<br>15°F ΔT |           |           |
|----------------|------|------|----|--------------------------|-----------|-----------|------------------------------|-----------|-----------|-------------------------------|-----------|-----------|-------------------------------|-----------|-----------|
|                |      |      |    | 100<br>FPM               | 75<br>FPM | 50<br>FPM | 100<br>FPM                   | 75<br>FPM | 50<br>FPM | 100<br>FPM                    | 75<br>FPM | 50<br>FPM | 100<br>FPM                    | 75<br>FPM | 50<br>FPM |
| 300            | 0.27 | 0.25 | —  | 1                        | 1         | 2         | 0                            | 1         | 1         | 0                             | 1         | 1         | 0                             | 1         | 2         |
| 400            | 0.48 | 0.44 | 26 | 1                        | 2         | 3         | 1                            | 1         | 2         | 1                             | 2         | 2         | 1                             | 2         | 3         |
| 500            | 0.75 | 0.69 | 30 | 2                        | 3         | 4         | 1                            | 2         | 3         | 1                             | 2         | 3         | 1                             | 3         | 4         |
| 600            | 1.07 | 0.99 | 35 | 2                        | 3         | 4         | 1                            | 2         | 4         | 1                             | 2         | 5         | 2                             | 4         | 6         |
| 700 *          | 1.46 | 1.35 | 39 | 3                        | 4         | 5         | 2                            | 2         | 5         | 2                             | 3         | 6         | 2                             | 4         | 6         |

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

| Airflow<br>CFM | Pt   | Ps   | NC | T Horizontal<br>≤15°F ΔT |           |           | T Vertical Throw @<br>5°F ΔT |           |           | T Vertical Throw @<br>10°F ΔT |           |           | T Vertical Throw @<br>15°F ΔT |           |           |
|----------------|------|------|----|--------------------------|-----------|-----------|------------------------------|-----------|-----------|-------------------------------|-----------|-----------|-------------------------------|-----------|-----------|
|                |      |      |    | 100<br>FPM               | 75<br>FPM | 50<br>FPM | 100<br>FPM                   | 75<br>FPM | 50<br>FPM | 100<br>FPM                    | 75<br>FPM | 50<br>FPM | 100<br>FPM                    | 75<br>FPM | 50<br>FPM |
| 400            | 0.45 | 0.41 | —  | 0                        | 1         | 2         | 1                            | 1         | 2         | 1                             | 2         | 2         | 1                             | 2         | 3         |
| 500            | 0.67 | 0.64 | 22 | 1                        | 1         | 2         | 1                            | 2         | 3         | 1                             | 2         | 4         | 2                             | 3         | 5         |
| 600            | 0.97 | 0.93 | 25 | 1                        | 2         | 3         | 1                            | 2         | 4         | 1                             | 2         | 5         | 2                             | 3         | 6         |
| 700 *          | 1.31 | 1.26 | 29 | 1                        | 2         | 4         | 1                            | 2         | 5         | 2                             | 3         | 6         | 2                             | 4         | 7         |
| 800            | 1.72 | 1.65 | 33 | 2                        | 3         | 4         | 2                            | 3         | 5         | 2                             | 4         | 7         | 3                             | 5         | 8         |

**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. Horizontal throw is the furthest distance from the diffuser centerline where the indicated terminal velocity can be measured.

2. Vertical throw is the furthest distance below the ceiling where the indicated terminal velocity can be measured.

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

4. \*Maximum airflow based on 150 fpm (0.76 m/s) velocity per square foot of filter media face area.

5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2023.