

TOP VIEW

SPECIFICATIONS

- All steel construction
- Interchangeable with laminated ConCore and All-Steel panels
- 68% open area without damper
- Panel size: 24 inches square
- Panel weight: 12.5 lb./ft²
- Non-combustible material
- Class A frame spread rating
- Patented directional air flow design

UNDERSTRUCTURE OPTIONS

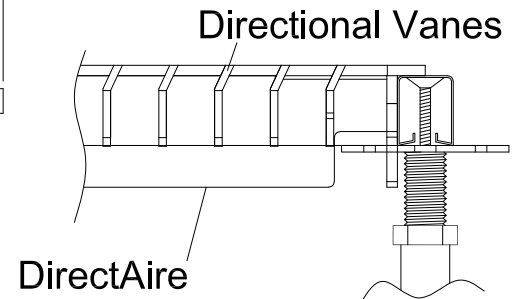
- 4' x .054" Bolted Stringer in a basketweave configuration w/ 8 ga. fillet welded heads

COATING OPTIONS

- Smoke Grey anti-static powder coat finish

AIRFLOW CONTROL OPTIONS

- PowerAire® Quad (field mounted)
- Single-zone Opposed Blade Damper (drop-in)
- Multi-zone Opposed Blade Damper (drop-in)



Airflow Performance

| Static Pressure (In. H ₂ O) | Air Volume w/o damper (CFM) |
|--|-----------------------------|
| 0.02 | 1250 |
| 0.04 | 1765 |
| 0.05 | 1875 |
| 0.06 | 2050 |
| 0.08 | 2470 |
| 0.10 | 2850 |

Opposed Blade damper

| Static Pressure (In. H ₂ O) | Air Volume w/ damper open (CFM) | Air Volume w/ damper closed (CFM) |
|--|---------------------------------|-----------------------------------|
| 0.02 | 1060 | 70 |
| 0.04 | 1485 | 95 |
| 0.05 | 1670 | 105 |
| 0.06 | 1810 | 115 |
| 0.08 | 2100 | 120 |
| 0.10 | 2490 | 130 |

PowerAire® Quad

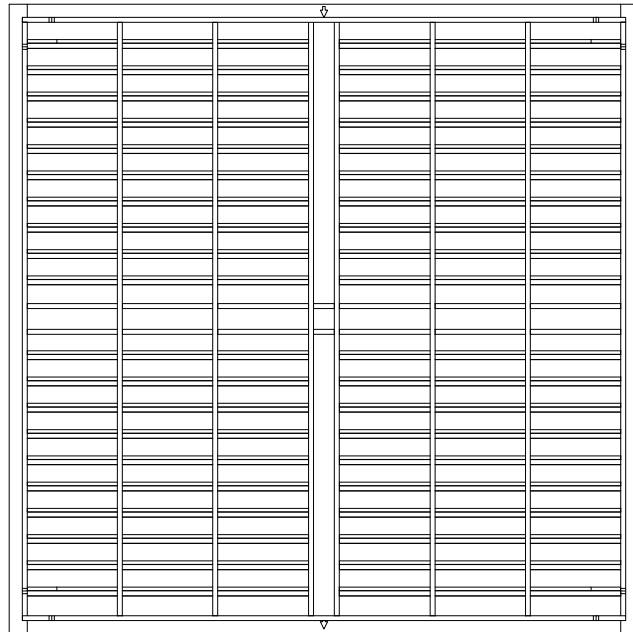
| Pressure (In. H ₂ O) ² | CFM at 0% Power | CFM at 100% Power |
|--|-----------------|-------------------|
| 0.02 | 250 | 2010 |
| 0.04 | 375 | 2070 |
| 0.05 | 410 | 2085 |
| 0.06 | 455 | 2120 |
| 0.08 | 535 | 2165 |
| 0.10 | 600 | 2205 |

System Load Performance Criteria (Tested on Actual Understructure)*

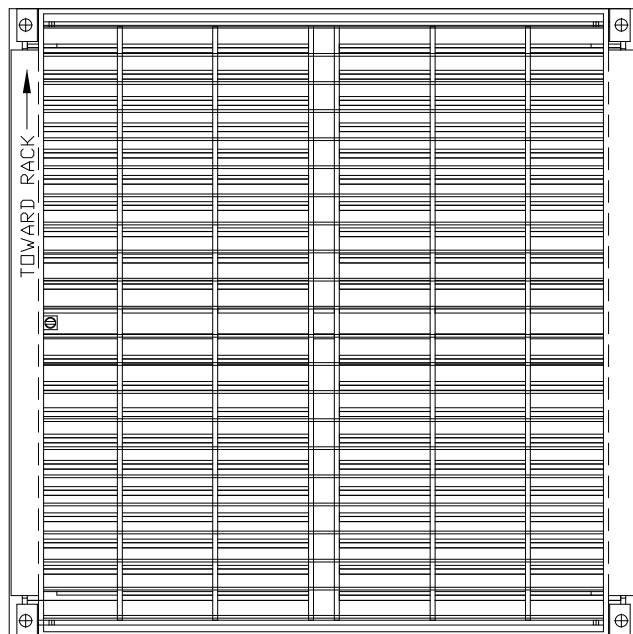
| System Type | SYSTEM WEIGHT | STATIC LOADS | | | ROLLING LOADS | | IMPACT LOADS | CAPTURE INDEX | |
|-----------------------|--------------------------------|----------------|----------------|---------------|---------------|---------------|--------------|---------------|-----|
| | | Design Load | Safety Factors | Ultimate Load | 10 Passes | 10,000 Passes | | | |
| DirectAire® 24" Panel | Bolted Stringer Understructure | 14.0 lbs / ft² | 2500 lbs | Min > 2 | 5000 lbs | 1500 lbs | 1500 lbs | 200 lbs | 94% |

1. System Design Load is based on permanent set ≤ 0.010" and is verified by loading panels in accordance with the CISCA concentrated load method but with panels installed on actual understructure instead of steel blocks. Ultimate, Rolling, and Impact Load tests are performed using CISCA test procedures.

2. Safety Factor is Ultimate Load divided by Design Load.



BOTTOM VIEW



**BOTTOM VIEW WITH OPTIONAL
OPPOSED BLADE DAMPER**