

High Strength Steel Design for high design and rolling loads

| DirectAir™<br>CFM and Heat Load Capacity |           |                         |
|--|-----------|-------------------------|
| Static Pressure                          | Total CFM | kW Per Rack uncontained |
| 0.02                                     | 1151      | 8.5                     |
| 0.04                                     | 1626      | 12.0                    |
| 0.05                                     | 1844      | 13.6                    |
| 0.06                                     | 2007      | 14.8                    |
| 0.08                                     | 2318      | 17.1                    |
| 0.10                                     | 2594      | 19.1                    |
| 0.12                                     | 2823      | 20.8                    |
| 0.14                                     | 3027      | 22.3                    |
| 0.16                                     | 3217      | 23.7                    |
| 0.18                                     | 3378      | 24.9                    |
| 0.20                                     | 3433      | 25.3                    |

### SPECIFICATIONS

#### General Information

- Welded Steel Design
- Interchangeable with laminated ConCore and All-Steel panels
- 68% open area without a damper
- Can support up to 25.3kW per rack
- Panel size: 24 inches square
- Panel heights at corner to bottom of lip 1-3/16". Total panel height of 2-3/16".
- Flange width: .500" to accommodate 3/4" wide stringers
- Panel weight: 48.5 lbs.
- Removable with portable lifting device
- TAC of 93%
- Directional Air Flow

### UNDERSTRUCTURE OPTIONS

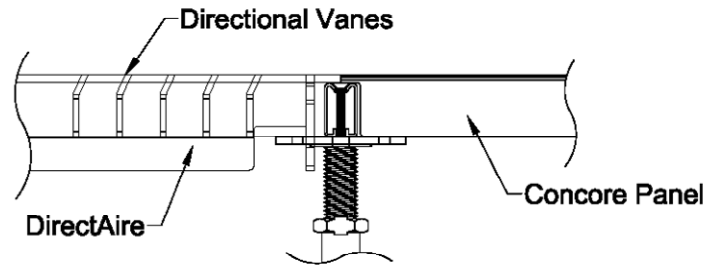
- 4' Bolted Stringer Steel System

### COATING OPTIONS

- Conductive powder coat Oyster White

### AIRFLOW CONTROL OPTIONS

- SmartAir™ Auto VAV Damper
- PowerAir™ Fan Assist
- Manual Opposed Blade Damper



### DirectAir System™ Performance Criteria\*

| Panel      | Understructure  | System Weight  | STATIC LOADS |               | ROLLING LOADS |               | Impact Load | CFM (.10" H2O) | Total Air Capture |
|------------|-----------------|----------------|--------------|---------------|---------------|---------------|-------------|----------------|-------------------|
|            |                 |                | Design Load  | Safety Factor | 10 Passes     | 10,000 Passes |             |                |                   |
| DirectAir™ | Bolted Stringer | 13.0 lbs / ft² | 2500 lbs     | Min > 2       | 2000 lbs      | 2000 lbs      | 200 lbs     | 2600           | 93%               |

\* System load tests are conducted following CISCAs Recommended Test Procedures with the exception of Design Load. Design load is a CISCAs Concentrated Load Test performed on actual understructure using yield point and safety factors in place of deflection.