

SPECIFICATIONS

General Information

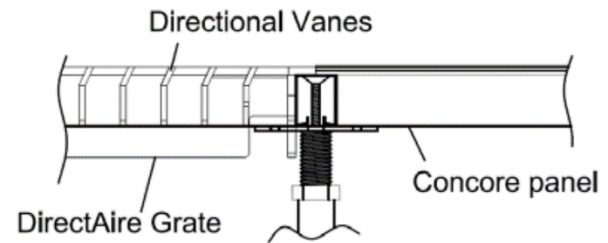
- Welded Steel Grate Design
- Interchangeable with ConCore and All-Steel Panels as well as other panel systems upon test and verification
- 68% Open Area without a damper
- Supports over 19 kW per Rack @ 0.10"H₂O
- Panel Size: 24" Square
- Panel Height, corner to bottom of lip: .79"
- Total Panel height: 2.19"
- Panel weight: 48.5 lbs
- Removable with portable lifting device
- Directional Airflow for 93% Capture Index
- SparkLite White anti-static powder coat

UNDERSTRUCTURE OPTIONS

- 24" Bolted Stringer
- 48" Bolted Stringer

AIRFLOW CONTROL OPTIONS

- SmartAire® MZ
- SmartAire®
- PowerAire®
- PowerAire® Quad
- Single-zone Opposed Blade Damper
- Multi-zone Opposed Blade Damper



DirectAire®		
Static Pressure (in. wc)	CFM (w/o Damper)	kW
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
0.1	2594	19.1
0.12	2823	20.8
0.14	3027	22.3
0.16	3217	23.7
0.18	3378	24.9
0.2	3433	25.3

DirectAire® 24" System Performance Criteria			Static Loads			Rolling Loads (lbs)		Impact	Airflow	
Panel Type	Under-Structure	System Weight (lbs/ft ²)	Design Loads (lbs)	Safety Factor	Ultimate Load (lbs)	10 Passes	10,000 Passes	Load (lbs)	@ 0.1"H ₂ O (CFM)	Capture Index
DirectAire	Bolted Stringer	13	2500	Min > 2	>5000	2000	2000	200	2594	93%

1. System Design Load is based on permanent set $\leq 0.010"$ 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. (Testing on blocks does not represent performance of an actual installation.) Ultimate, Rolling, and Impact Load tests are performed using CISCA Test Procedures.

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