

TOP VIEW

SPECIFICATIONS

- Die cast aluminum construction
- Interchangeable with laminated ConCore® and All Steel panels
- 60% open area without damper
- Panel size: 24 inches square
- Panel weight: 6.45lb./ft²
- Non-combustible material
- Class A flame spread rating
- Patented directional air flow design

UNDERSTRUCTURE OPTIONS

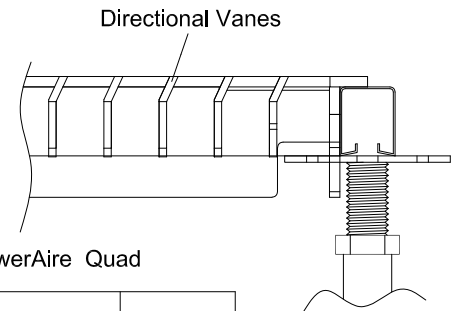
- 4' bolted stringer system

COATING OPTIONS

- Smoke Grey anti-static powder coat finish

AIRFLOW CONTROL OPTIONS

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



Airflow Performance

Static Pressure (in. H ₂ O)	Air Volume w/o damper (CFM)
0.02	1155
0.04	1730
0.05	1855
0.06	2050
0.08	2380
0.10	2775

Opposed Blade Damper

Air Volume w/damper open(CFM)	Air Volume w/damper closed(CFM)
990	110
1465	120
1720	145
1750	180
2035	200
2325	225

PowerAire Quad

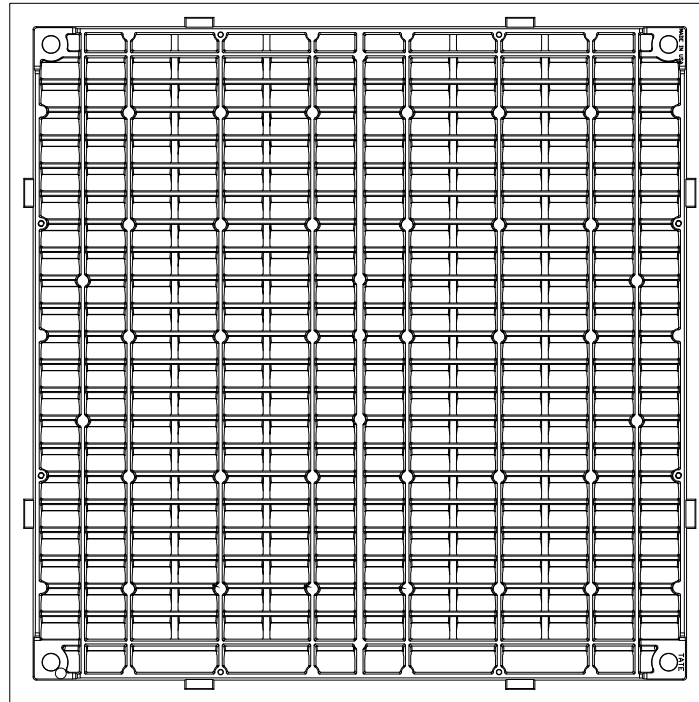
Static Pressure (in. H ₂ O)	CFM at 0% power	CFM at 100% power
0.02	250	2035
0.04	350	2110
0.05	400	2120
0.06	475	2145
0.08	580	2155
0.10	720	2160

System Load Performance Criteria (Tested on Actual Understructure)*

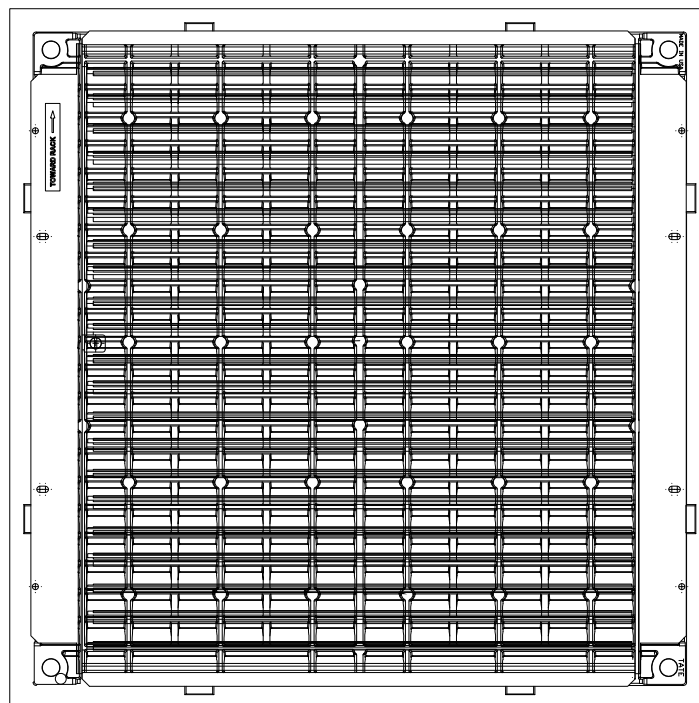
System Type	Understructure	SYSTEM WEIGHT	STATIC LOADS			ROLLING LOADS		IMPACT LOADS	CAPTURE INDEX
			Design Loads	Safety Factor (min. 1.66)	Ultimate Load	10 Passes	10,000 Passes		
DirectAire AL	Bolted Stringer	7.9 lbs / ft²	1500 lbs	Pass	2500 lbs.	1250 lbs	1000 lbs	150 lbs	92%

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**