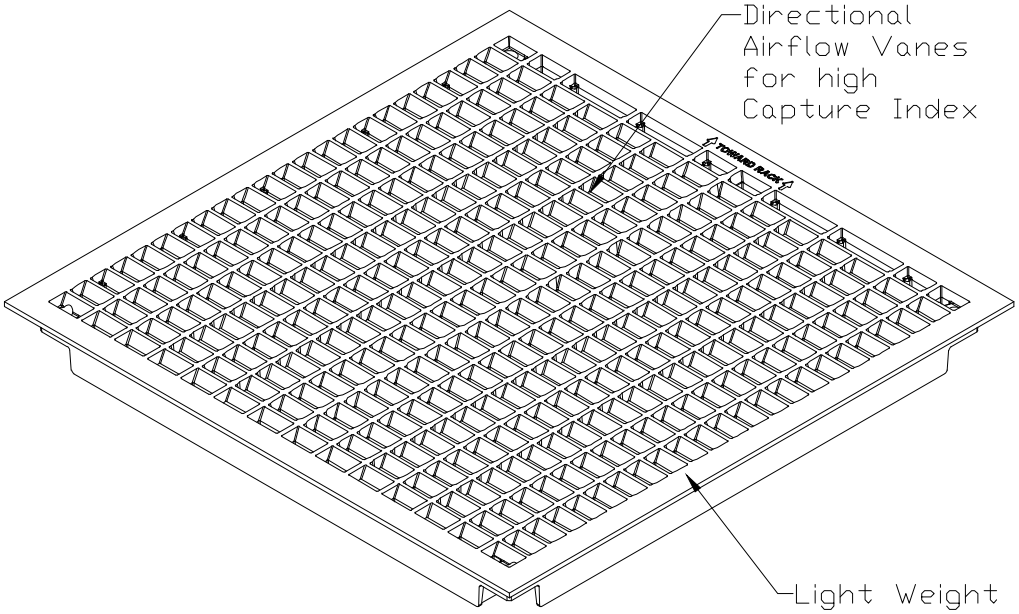
DirectAire® AI - 60cm
For steel bolted stringer systems



SPECIFICATIONS

General information

- Lightweight cast aluminum construction
- Interchangeable with 60cm ConCore® and All Steel panels as well as other panel systems upon test and verification
- 60% open area without damper
- Supports over 18kW per rack @ 25Pa
- Panel size: 60cm square
- Panel height at corner to bottom of lip: 30.15mm
- Total panel height: 55.55mm
- Panel weight: 11.2kg
- Removable by hand
- Directional airflow for 93% Capture Index
- SparkLite White anti-static powder coat

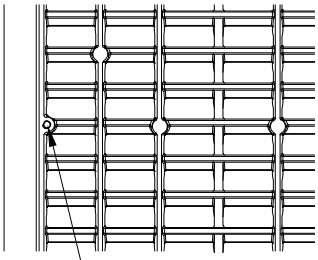
UNDERSTRUCTURE OPTIONS

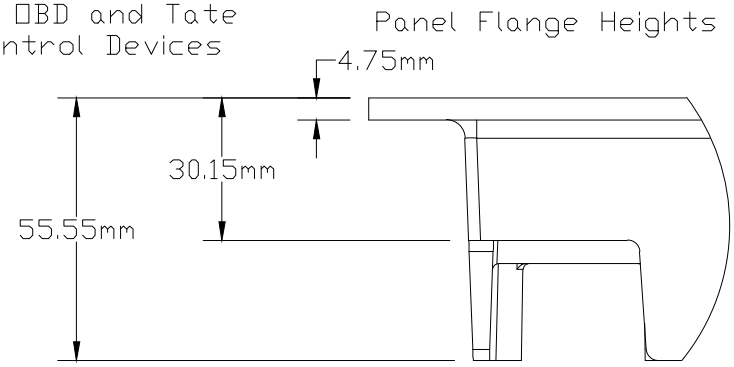
- ❑ 60cm Heavy duty bolted stringer system
- ❑ 120cm Heavy duty bolted stringer system

AIRFLOW CONTROL OPTIONS

- ❑ PowerAire® Quad
- ❑ Single-zone Opposed Blade Damper
- ❑ Multi-zone Opposed Blade Damper

Static Pressure (Pa)	L/s (w/o damper)	kW
5	519	8.3
10	733	11.6
12.5	830	12.9
15	925	14.1
20	1055	16.2
25	1184	18.1
30	1254	19.8
35	1387	21.3
40	1448	22.7
45	1514	24.1
50	1575	25.3





System Performance Criteria (Tested on Actual Understructure)*

System Type		SYSTEM WEIGHT	STATIC LOADS			ROLLING LOADS		IMPACT LOADS	AIRFLOW	
Panel	Understructure		Design Loads	Safety Factor (min. 2.0)	Ultimate Load	10 Passes	10,000 Passes		@ 25 PA. (L/s)	Capture Index
DirectAire AL	Heavy-Duty Bolted Stringer	36.1 kg / m²	6.7 kN	Pass	13.35 kN	5.6 kN	4.4 kN	.67 kN	1184	93%

1. System Design Load is based on permanent set ≤ 0.25 mm 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.

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