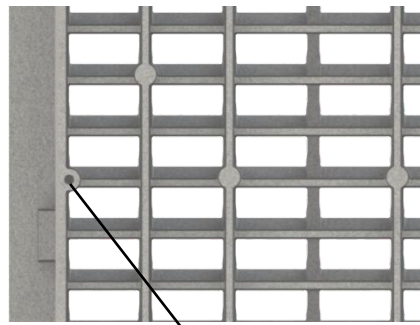


SPECIFICATIONS

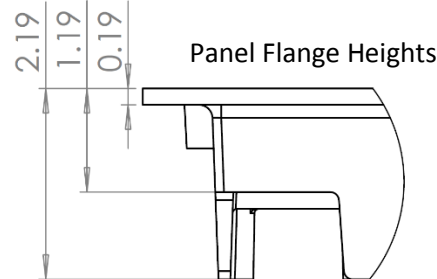
General Information

Lightweight Cast Aluminum Grate Design
 Interchangeable with ConCore and All-Steel Panels as well as other panel systems upon test and verification
 60% Open Area without a damper
 Supports over 18kW per Rack @ 0.10"H₂O
 Panel Size: 24" Square
 Panel Height, corner to bottom of lip: 1.19"
 Total Panel height: 2.19"
 Panel weight: 24.6 lbs
 Removable by hand
 Directional Airflow for 93% Capture Index
 SparkLite White anti-static powder coat

DirectAire® AI 24"		
Static Pressure (in. wc)	CFM (w/o Damper)	kW
0.02	1123	8.3
0.04	1572	11.6
0.05	1751	12.9
0.06	1913	14.1
0.08	2200	16.2
0.1	2451	18.1
0.12	2678	19.8
0.14	2886	21.3
0.16	3079	22.7
0.18	3260	24.1
0.2	3430	25.3



Integrated mounting holes for OBD and Tate Airflow Control Devices



Panel Flange Heights

UNDERSTRUCTURE OPTIONS

24" Bolted Stringer
 48" Bolted Stringer

AIRFLOW CONTROL OPTIONS

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

DirectAire® AI 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 AI	Bolted Stringer	7.4	1500	Min > 2	3000	1250	1000	150	2451	93%

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. (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.