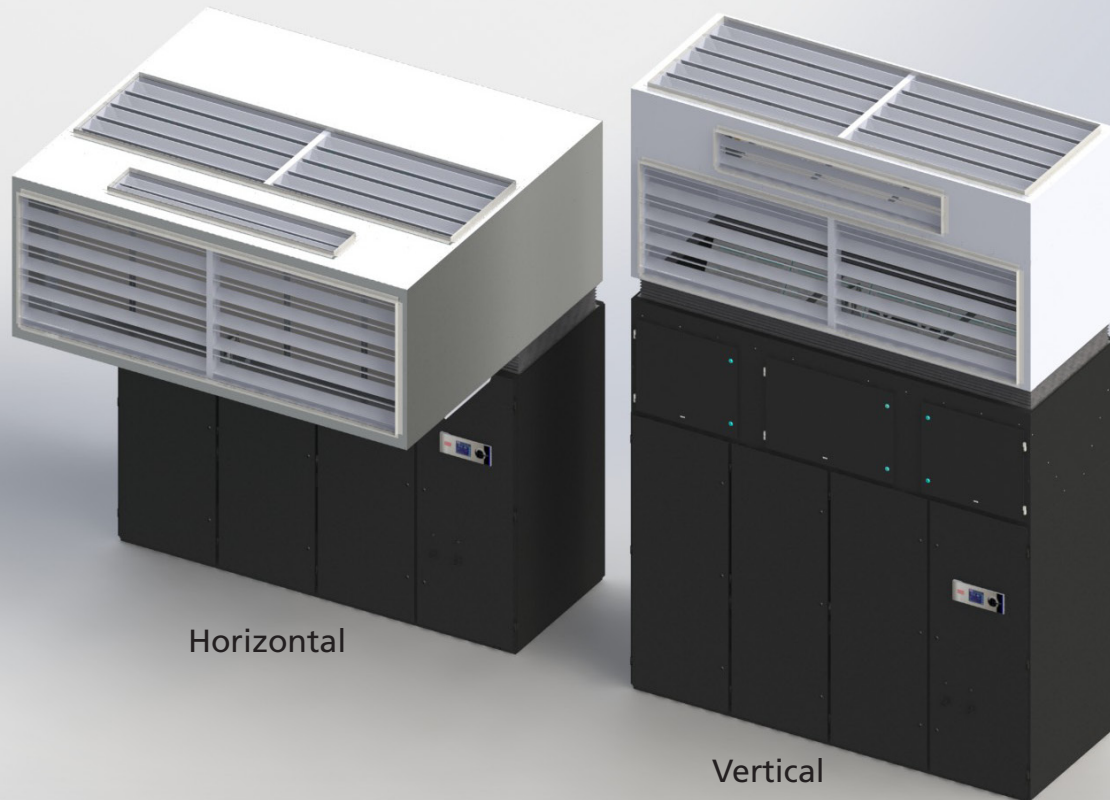


STULZ Air Side Economizer



Indoor Cooling

Perimeter

STULZ Air Side Economizer

Flexible free cooling solution that can be easily adapted to perimeter cooling units.

Features and Benefits

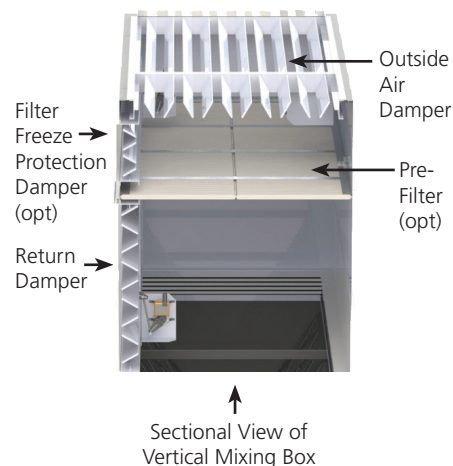
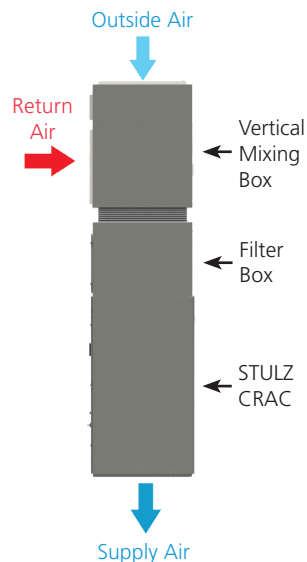
- Combined with CRACs or CRAHs to provide free cooling
- Offered in both vertical and horizontal orientation
- Pre-filter and freeze protection damper options
- Mixes outside and return air depending on outside air conditions
- Full economizer controls provided by the CRAC / CRAH



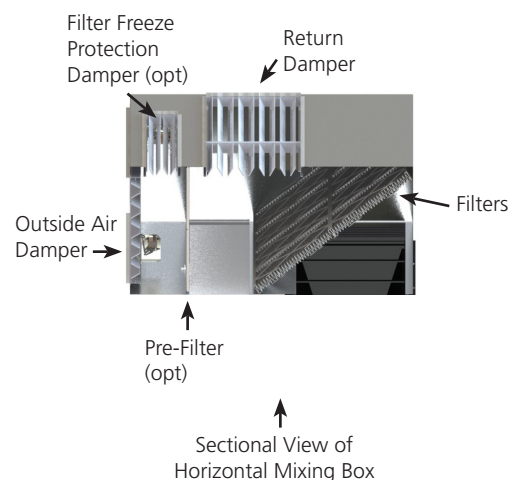
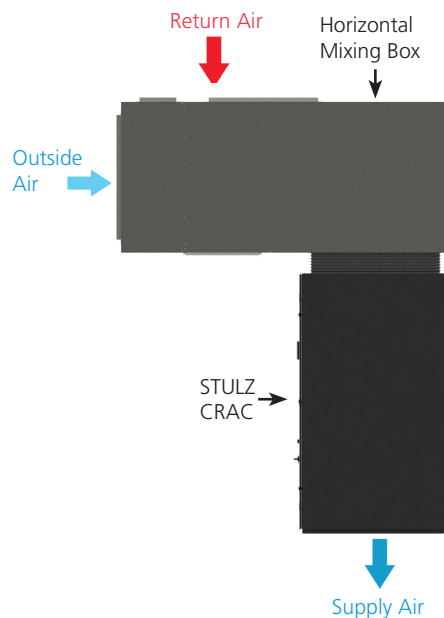
STULZ Air Side Economizer

Principle of Operation & Design

STULZ CyberAiR® with STULZ Vertical Mixing Box



STULZ CyberAiR® with STULZ Horizontal Mixing Box



CRACs or CRAHs with an integrated mixing box and damper controls provides free cooling. Units attached to the top of a CRAC or CRAH in a vertical or horizontal position.

Outside Air & Moisture

Operation

Warmer / Humidity	Dampers close & the CRAC/CRAH reverts to traditional operation
Within Proper Range	Outside air is directly introduced through the dampers in the mixing box
Colder Than Desired	Dampers mix outside air & return air to achieve desired temperature
Below Freezing	Warm return air mixes with outside air before the filter to prevent freezing

Product Nomenclature

MB-XXXXXXX-X-XX

MB	Unit Size	Orientation	Additional Special Option(s)
Air Side Economizer	CFS CAB4 CFS CAB3 CCD 3600	H – Horizontal V – Vertical	D – Duct Flanges P – Pre-Filters F – Pre-Filters with Freeze Protection Dampers