

EC Fan Retrofit Solutions

For Your Existing CRAH



Want to make your data center more energy efficient?

Install a
Stulz-ATS EC Fan Retrofit kit
into your existing CRAH



The STULZ-ATS EC Fan retrofit kit uses 20% less energy than the existing CRAH*; it will be more energy efficient than comparable VFD retrofits at 100% load, and the savings increase when you run at partial load.

*Savings estimate is derived from actual performance test results of (1) Liebert model FH740C with 10 hp forward curved centrifugal fan vs. (1) Liebert model FH740C modified with the STULZ-ATS EC Fan retrofit kit, at 16,500 cfm, against 0.3" of external static pressure. Results may vary. Stulz-ATS assumes no responsibility and disclaims all liability if other comparable tests produce different results.

STULZ
Air Technology Systems, Inc.



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Introducing an easy to install "fan box" designed to retrofit older competitor's down-flow models in existing installations by replacing inefficient, belt-driven, forward curved centrifugal fans, with EC Fans.

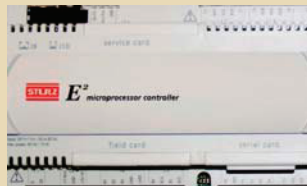
The fan box offers a comparable cost to our competitor's VFD retrofit kit but with all the advantages of EC Fan technology, resulting in the lowest first cost solution with the biggest energy savings!

First and only EC Fan kit on the market!

The fan controls sync with your existing CRAH controller.



The STULZ-ATS Retrofit Kit includes an E² control module that ties directly into the existing controller. The E² control module doesn't over-ride the existing controller but manages all add on control requirements to ensure proper operation of the EC fans. Specifically, smart control sequences enable the system to operate fan speed and CW valve independently, which provides the foundation for additional energy savings when using air flow management options.



- (1) Competitor's model 740C - 20% more energy efficient after kit installed*
@ CFM of 16,500, the modified CRAH consumed 7.3 kilowatts of fan energy compared to the 8.6 kilowatts consumed at our test facility when maxing out the original 10hp forward curved centrifugal fans*
- 20% savings is just the beginning - savings increase at partial load
- Comparable cost as a VFD retrofit kit but with all the advantages of the EC Fan technology
 - Fan speed is continuously adjustable via a signal from the system controller without the use of VFD's
 - Direct-drive - no belt abrasion / dust, maintenance free operation
 - Less Vibration means a quiet operation
 - Optimized air distribution to avoid hot spots
- Available in two- and three-fan configurations call us today for a site evaluation

Low first cost solution with big energy savings!



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