

Let's focus on air handling units.... When they break their effects are usually pretty immediate Repairs can be costly and possibly take some time And if they are of significant size then they are... Chunky Boy 4





Considering that a 70 hp fan motor can weigh in excess of 500 pounds and a 150 hp fan motor can weigh in excess of 900lbs.... This may be your only option.

A "great" way to "hang around" on a Saturday...



And it comes with friends...

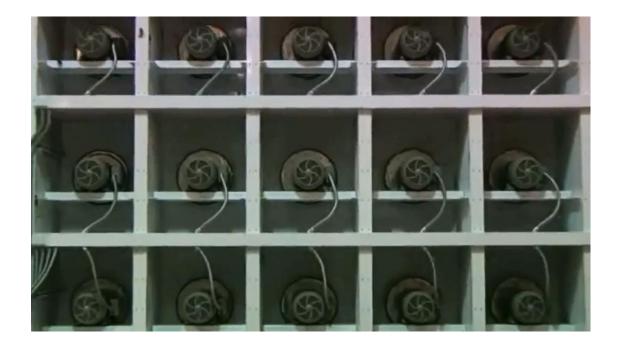


Now, there is another option available...



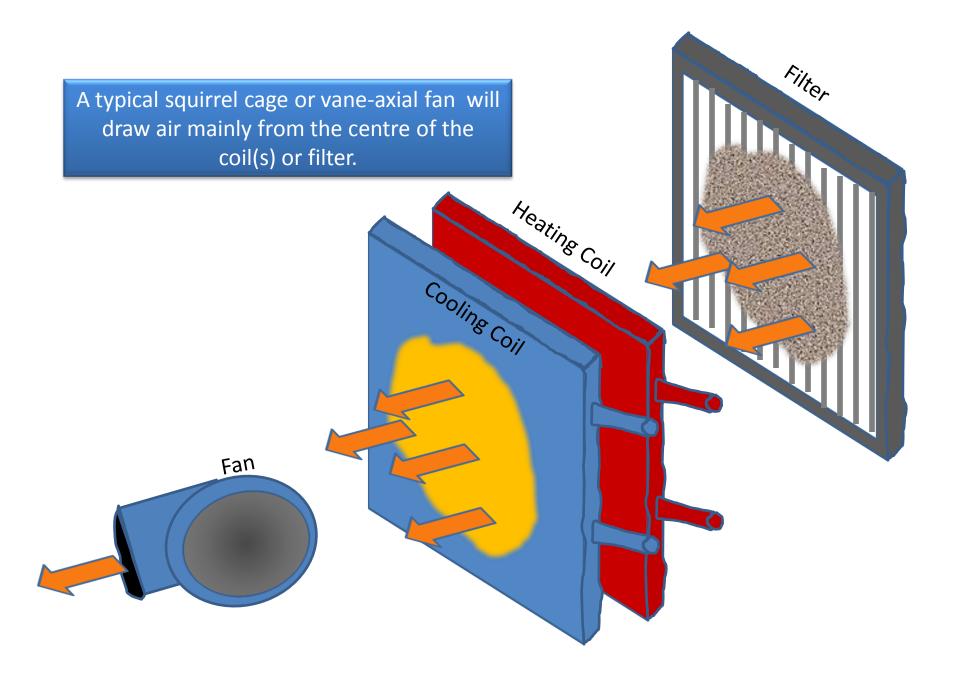
Actually, they have been available for more than twenty years.

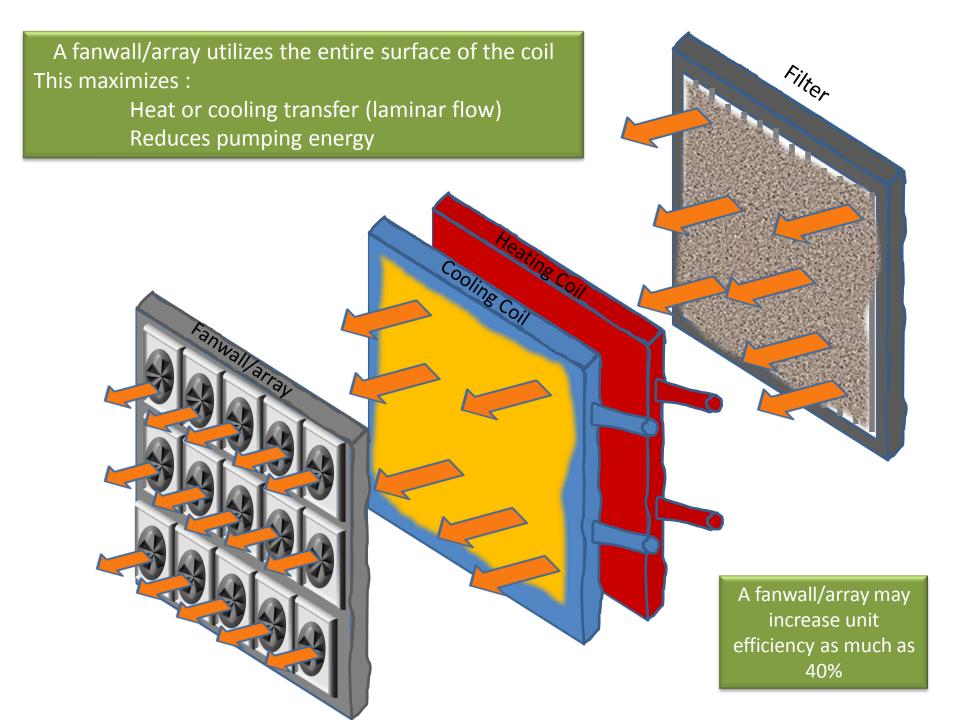
First used in cleanrooms they have now been used successfully in all other building applications A fan array is a combination of direct drive smaller fans stacked to create a wall of fans. This wall replaces a conventional single fan.

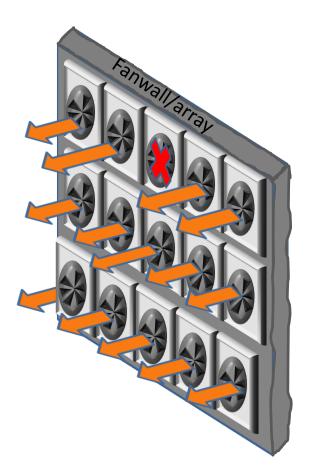


Other names you may have heard: • Fan Wall • Fan Matrix • Multi-fan

Picture courtesy of Longhill Energy







Redundancy

Due to there being multiple fans, if one fan were to fail the other fans would speed up to compensate for the loss minimizing fan downtime during occupied times. Backflow dampers are available to prevent the air from re-circulating through the broken fan.

Repair

Replacement fan assemblies can be scheduled at a convenient time and can generally take less than a couple of hours by two people and a minimum of tools.

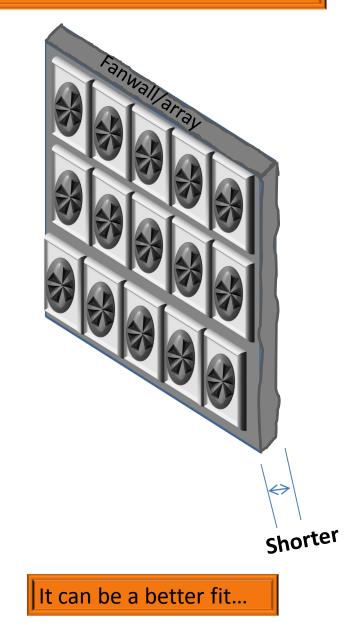
VFDs

The fans can all be run by one Variable Frequency Drive (VFD) or there can be individual VFDs for each fan.





When Size Matters....





If a picture is worth a thousand words imagine how many words are in these videos (Please note: we are just using these for information purposes. We are not suggesting that these are the only vendors available.)



http://www.nortekair.com/Innovation/FANWALL-TECHNOLOGY/Literature/VIDEO-DEMONSTRATION-FANWALL-Knock-Down-Retrofits.aspx



www.nortekair.com/Innovation/FANWALL-TECHNOLOGY/Literature/Video-Ideal-For-New-Construction-and-Retrofits.aspx

Videos courtesy of Longhill Energy