

Case Study: OFFICE BUILDING APPLICATION



Situation:

Our property manager customer expressed issues that are common for office buildings all across the country: 1) HVAC systems run continually to maintain a comfortable temperature for employees and customers; and 2) there seems to be no improvement in air quality.

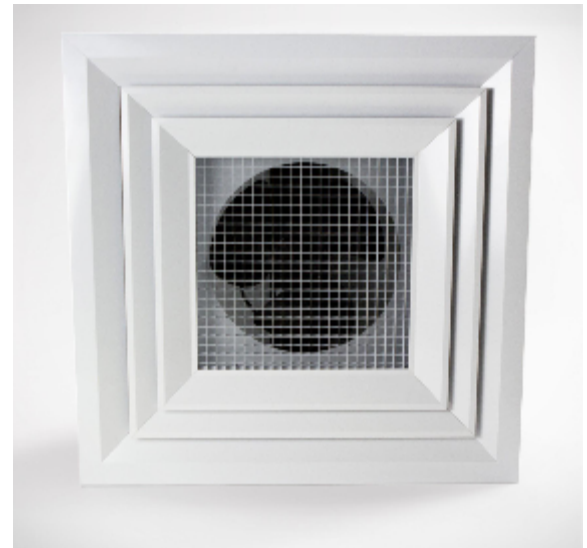
Solutions from Air-Row Fans:

What if high ticket technology was able to cycle off at the expense of low-cost technology? And what if that same technology were able to recirculate the air in a building twice every hour? This is the secret of Air-Row Fans' work in office buildings, and it all has to do with recovering, treating, and recirculating "trapped air."

Trapped air is the root of energy waste and poor air quality issues in office buildings. By capturing this trapped air, treating it, and then recirculating it, Air-Row Fans has been able to reduce energy costs and improve air quality. This process of capturing stratified air is the logical first step in the HVAC air movement cycle. It is the step that has been long missing; its addition back into the process brings new efficiency, as large air handlers (heating and cooling) come on only when there is a need for thermal change and cycle off as soon as this thermal change is satisfied.



Air-Row Fans DA-248



Air-Row Fans LA-248

Impact of Temperature Differentials in Office Buildings		
	Before	After
Floor Temp	50	56
Ceiling Temp	85	73
Differential	35	16

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From Our Customer –

“The addition of Air-Row destratification fans has created a greater comfort in our building, and a better environment for our employees and customers. In addition, since we are circulating our air twice an hour, we have the confidence we are creating a more healthy environment as well.”