KES

INDUSTRY LEADERS IN TURNKEY DEMAND CONTROL KITCHEN VENTILATION (DCKV)

WHAT WE DO

Demand Control Kitchen Ventilation (DCKV) controls the exhaust and supply fans automatically in order to provide the correct amount of exhaust at the correct times saving you energy and money.

A proper and well designed DCKV system can save money for the operator every single day. Your fan doesn't work as hard and therefore will most likely last much longer.

We offer the most efficient answer to the demand control needs. KES has been in the business for over 17 years and offers a full service solution from design to final startup in one complete offering.

ECOAZUR's cutting-edge solution constantly monitors your kitchen for even the slightest changes in temperature and detects smoke and vapor in an instant.

ECOAZUR SYSTEM AT

Deerfield Management

345 Park Ave South, New York
New York, 10010

New construction designs in major cities must contend with space requirement issues when designing commercial kitchens in restaurant spaces. One of the more cost-effective solutions is to design multiple hoods onto a sign exhaust fan – allowing for minimal ductwork installation and one air cleaning unit on the exhaust.

Strategic Partner:

I·E·S·G
Integrity Energy Solutions Group

www.iesgcorp.com
1777 Marine Pkwy, Brooklyn NY 11234
info@iesgcorp.com
(800) 757-2406

Our Solution

The ECOAZUR Plus system with modulating dampers is the perfect solution for energy savings on this type of design. Allowing each hood to modulate individually and tailor the airflow at every duct connection to the cooking activity occurring below the associated hood. The flexibility of this system installing into any hood allows for the owners to enjoy low-cost solutions on the front end and enjoy the energy savings for years to come.

Results

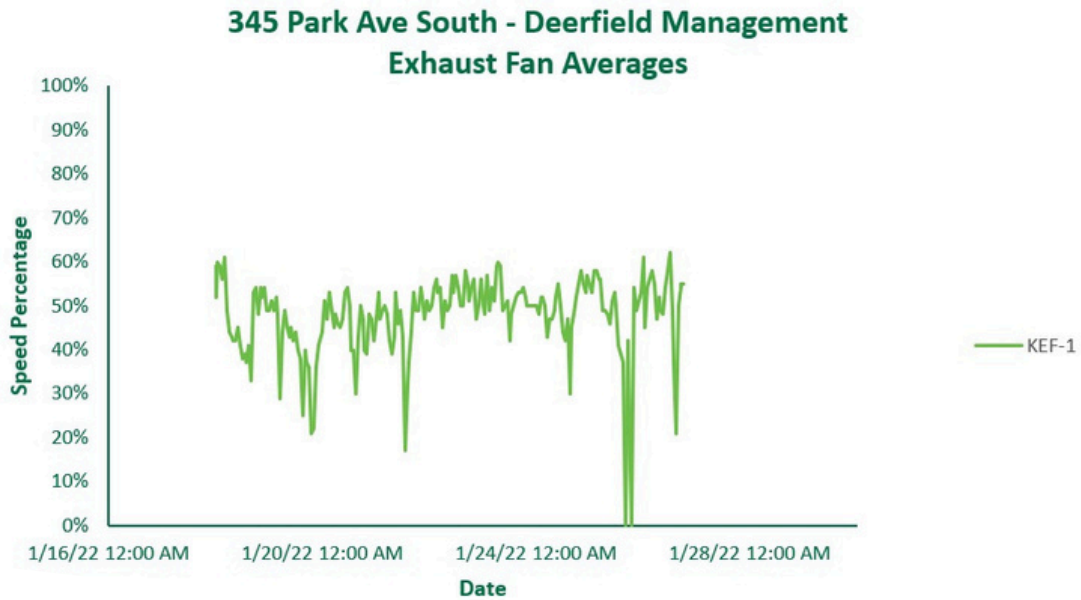
Runtime Hours per Day: 14
Total Controlled CFM: 7,087 | Total Controlled HP: 17.5

Estimated Preliminary Analysis:

Average New Fan Speed: 50%
Electrical Savings: 52,604 kWh / year
Electrical Savings: $7,891 / year
Heating Savings: $3,750 / year
Cooling Savings: $205 / year

Post Installation Analysis:

Average New Fan Speed: 46%
Electrical Savings: 55,172 kWh / year
Electrical Savings: $8,276 / year
Heating Savings: $4,125 / year
Cooling Savings: $226 / year



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