

## Captive Aire is excited to announce the ETL listed EMS Series

The ETL listed Energy Management System Panels are designed to effectively reduce exhaust and supply airflow rates while still completely capturing and containing all of the heat and smoke generated by cooking appliances.

Operation is based on a 2-speed principle where the fans run on low speed while the cooking appliances are idling and run on high speed when cooking is occurring. A duct mounted temperature switch constantly monitors exhaust air temperature and forces the system to either high speed or low speed. Low speed is factory set to reduce airflow by 20%. For extended heavy cooking timeframes, a 100% airflow override button is supplied with an adjustable timer, factory set at 30 minutes.

They are available in three phase configurations in various sizes. All panels include variable frequency drives to adjust the high-speed set point and low speed set point. The panels include color-coded wiring with wiring diagrams, and spare terminals controlled by the fire system micro switch. Factory pre-wired to shut down supply fans in a fire condition. Factory pre-wire option to turn on the exhaust fans in a fire condition (if required). Panel is ETL Listed to US and Canadian Standards for installation in the integral Utility Cabinet.

### Features and Benefits

- 2-speed Hi/Low airflow system
  - Low Speed = 20% Reduction in airflow at Appliance Idle Temperature
  - High Speed = Design Airflow at Appliance Full Cooking Temperature
- Full capture and containment of idle heat loads while still reducing energy costs

- 20% Reduction in Fan Speed equates to a 48% reduction in fan energy costs
- Fully adjustable High and Low speed set points with the use of Variable Frequency Drives
- Low initial up-front costs with quick payback period
- Standard Exhaust on in Fire Situations
- 100% Airflow Override button with fully adjustable timer
- Low Maintenance – Monthly Temperature Probe Cleaning Only
- Installed in Exhaust Hood Utility Cabinet and can be Factory Wired
- Controls up to (4) 5HP inverter duty motors

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**CAPTIVE AIRE**

America's *Leading Manufacturer*  
of Commercial Kitchen Ventilation Equipment