

# Case Study Report



## Project Identification

Customer: Brooks  
Location: Whitestown, Indiana



## Design Specifications

Facility Warehouse 390,000' x 36' High  
Winter Operation 70° – 0°

### Project Challenge:

Brooks commissioned a brand-new distribution facility in Whitestown, IN, just off of Interstate 65. Brooks wanted their new warehouse to have a high efficiency HVAC system that would be able maintain 70°-0° in the winter and that would provide ventilation for the summer heat.

### Equipment Solution:

Air Energy supplied (8) ER-242-800s to heat the facility, (4) Intake Hoods to meet ASHRAE 62.1 and (7) Exhaust Fans interlocked with Intake Louvers to provide 1.5 Air Changes per Hour. **The (8) Rack Units also deliver 1.5 air turnovers per hour which has allowed Brooks to maintain a temperature below 77° without having to install air conditioning units.**



### Results of Rack System:

Brooks experienced Annual Savings totaling **\$94,915**:

- Electrical – 235,300 kWh at \$.10/kWh
- Natural Gas – 89,231 therms at \$.80/therm

Brooks received verified Vectren Rebate:

- Vectren – Natural Gas: **\$71,385**