

# 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 new distribution facility in Whitestown, IN off of Interstate 65. Brooks wanted their warehouse to utilize a high efficiency HVAC to maintain 70°-0° in the winter and 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 allows Brooks to maintain a temperature below 77° without having to install air conditioning units.**



## Results of Rack System:

Brooks experiences 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**