

Case Study Report



Project Identification

Customer: Brooks Sports
Location: Whitestown, Indiana

Design Specifications

Facility Warehouse 133,380' x 36' High
Winter Operation 70° – 0°



Project Challenge:

Brooks Sports in Whitestown built an addition to their distribution warehouse. Brooks was extremely happy with their existing Rack Units so they wanted to duplicate the HVAC system on their new addition. They requested that their system maintain 70-0 in winter operation and provide summer ventilation.

Equipment Solution:

Air Energy provided (3) ER-242-800s and used (3) Intake Hoods to meet ASHRAE 62.1 fresh air code. The Racks + Hoods are interlocked with their ventilation system, exhaust fans + intake louvers, to provide additional air movement during summer ventilation. This system kept the facility under 77° in summer months, eliminating the need for Air Conditioning.



Results of Rack System:

Tractor Supply experienced Annual Savings totaling **\$29,156**:

- Electrical – 91,490 kWh at \$.10/kWh
- Natural Gas – 26,676 therms at \$.75/therm

Carbon Footprint Reduction: 222 tons of CO2 emissions annually

Tractor Supply received verified Vectren Rebate:

- Vectren – Natural Gas: **\$26,676**

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