

# Case Study Report



## Project Identification

Customer: Jarden  
Location: Fishers, Indiana

## Design Specifications

Facility Warehouse 500,000' x 36' High  
Winter Operation 65° – 0°

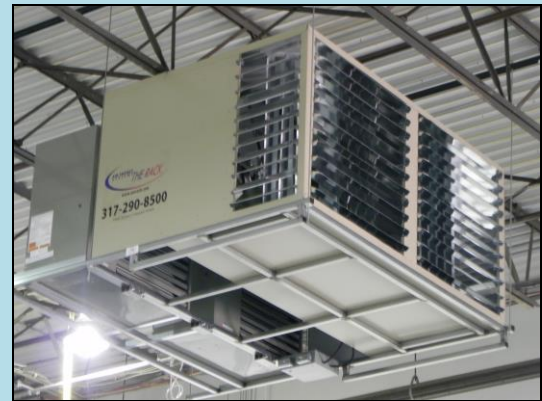


## Project Challenge:

To replace existing Direct Fired Recirculating MAUs that run continuously with an energy efficient system that utilizes Jarden's occupied and unoccupied schedule. The system will reduce electrically and natural gas consumption without using valuable floor square footage.

## Equipment Solution:

Air Energy Systems designed a system consisting of (9) ER-242-800 Rack Units that will heat the facility to 65°. (6) Energy Rotation Units are equipped with 5,000 cfm intake air hoods to meet the .06 cfm/sqft during occupied operation. The savings are achieved by shutting off the intake hoods during the unoccupied hours, which is 65% of the year.



## Results of Rack System:

Jarden experienced Annual Savings totaling over **\$44,000**:

- Electrical – 186,300 kW at \$.10/kW - \$18,600
- Natural Gas – 31,620 therms at \$.80/therm - \$25,370

Jarden saved \$ .09/sf in operating costs

Jarden received a Vectren verified Gas Rebate of **\$25,370**.

