

Case Study Report



Project Identification

Customer: Kirby Risk – (3) Facilities
Location: Lafayette, Indiana

Design Specifications

Facility Warehouse 225,000' x 36' High
Winter Operation 68° – 0° Summer 80° - 95°



Project Challenge:

Kirby Risk built (3) steel building Facilities in Lafayette over a few year period. Kirby Risk requested a system that would both heat and cool the space efficiently. Since steel building cannot support heavy loads on the roof, the system needed to utilize ground mounted units.

Equipment Solution:

Air Energy Systems designed a heating and cooling system that combined (9) ER-242 Rack Units and (9) 25-Ton Ground Mounted combination units. The combination units were installed on pads outside the facility and were ducted into the back of the Rack Units in the space. The ER Units distributed the tempered air evenly throughout the facility to maintain a consistent and comfortable temperature for the employees. The Rack Units not only delivered a reliable temperature, but did so while significantly reducing therm and kilowatt usage for the customer.



Results of Rack System:

Kirby Risk was so please with the performance of the Rack Units that they installed them in (2) more facilities in Lafayette as well as facilities in Indianapolis and South Carolina. **The Rack Unit Energy Rotation System is the ideal system for temperature control in steel buildings.**

