

Case Study Report



Project Identification

Customer: Donaldson
Location: Frankfort, Indiana

Design Specifications

Facility Warehouse 180,000' x 30' High
Winter Operation 70° – 0° Summer – 78°-93°



Project Challenge:

Donaldson Company built a steel building facility in Frankfort. Donaldson 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 (5) ER-242 Rack Units and (5) 25-Ton Ground Mounted combination units plus (6) ER-142 Rack Units and (6) 20-Ton 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 desired temperatures were delivered with significantly reduced therm and kilowatt usage for the Donaldson.



Results of Rack System:

The Rack Units have continued to efficiently heat and cool Donaldson for over a decade. **This longevity further proves that The Rack is the best system to heat and cool industrial facilities.**

