

# Case Study Report



## Project Identification

Customer: Hobby Lobby – (4) Facilities  
Location: Oklahoma City, Oklahoma

## Design Specifications

Facility Warehouse 3,800,000' x 40' High  
Winter Operation 70° – 0° Summer Ventilation



## Project Challenge:

Hobby Lobby was looking for an energy efficient way to heat and ventilate their expanding Warehouse storage facilities. Hobby Lobby had used Ground Mounted Air Rotation Units in the past which had high utility costs, inconsistent temperatures and didn't help with summer ventilation.

## Equipment Solution:

Air Energy Systems designed a system to utilize our Rack System to heat during the winter and more importantly to ventilate during the summer. Hobby Lobby chose to go with the Rack Units in (4) Warehouse over 12 years. When they were finished, they had over (127) ER-242 and ER-142 units in 3,800,000 sf of space.



1. 520,000' facility – (12) ER-242-800 and (6) ER-142-400
2. 1,202,000 ' facility – (25) ER-242-800 and (20) ER-142-400
3. 656,000' facility – (24) ER-242-800
4. 1,408,000' facility – (40) ER-242-800

