

# Case Study Report



## Project Identification

Customer: Honda of Indiana  
Location: Greensburg, Indiana

## Design Specifications

Facility Warehouse 400,000' x 32' High  
Winter Operation 68 °– 0 Summer Operation 93° - 78°



## Project Challenge:

Honda's original heating/cooling design used direct fired equipment incorporated with cooling coils and sheet metal distribution ducting. The warehouse continually exceeded their budget for temperature control and considered eliminating the cooling function all together.

## Equipment Solution:

AES recommended installing (8) 60-ton ground mounted gas/electric rooftop units along with (8) ER-248 ceiling hung air rotation units into the facility. The equipment design increased the air distribution from 192,000 cfm to 400,000 cfm.



## Results of Rack System:

By installing (8) 60-ton rooftop units with (8) ER-248 air turn-over units, Honda experienced the following results:

- Honda was able to eliminate their costly sheet metal distribution ducting
- Honda experienced a \$500,000 cost savings
- Honda warehouse has less than a 2-3° temperature difference anywhere in the facility.

