

# Case Study Report



## Project Identification

Customer: IDI World Connect @ Ameriplex  
Location: Indianapolis, Indiana

## Design Specifications

Facility Warehouse 912,500' x 36' High  
Winter Operation 70° – 0°



## Project Challenge:

IDI built a brand-new distribution warehouse in the Ameriplex Industrial Park in Indianapolis. The Ameriplex #4 facility needed to be divisible for multiple tenants, able to maintain 70°-0° in all sections during the heating season and provide an air change an hour for summer ventilation.

## Equipment Solution:

Air Energy provided (8) ER-242-800s + (4) Rupp RAM-M-25 Makeup Air Units to deliver heat throughout the warehouse. The (4) RAM-M-25 MAUs provide fresh air during occupied hours to meet ASHRAE 62.1 and The Racks carry the heat load during the unoccupied hours. The Racks + the RAM-M-25s are the most efficient means of heating Big Box Warehouses, **this combined system had less than 1-year payback.**



## Results of Rack System:

Ameriplex #4 experienced Annual Savings totaling **\$147,458**:

- Electrical – 306,586 kWh at \$.10/kWh
- Natural Gas – 146,000 therms at \$.80/therm

Ameriplex #4 received verified IPL Rebate:

- Indiana Power & Light – kWh: **\$26,826**

