

DISTRIBUTION COMPANY HEATS TWICE THE SPACE WHILE CUTTING ORIGINAL FUEL COSTS

Application:	Distribution Company Specializing in Grocery Products
LOCATION:	Wisconsin
BUILDING SQUARE FOOTAGE:	130,000
BUILDING CUBIC FOOTAGE:	2,921,600

DOCK DOORS:.....13

DESIGN

- Company growth resulted in the need for nearly doubling the facility to approximately 245,000 square feet with an average ceiling height of 32 feet.
- The existing 130,000 square foot facility was heated with gas unit heaters.

SOLUTION

- Johnson worked with the distribution company and a local engineering firm to have the old gas unit heaters removed.
- Those were replaced with three Johnson Air-Rotation Systems to heat the newly expanded 245,000 square foot space.

RESULTS

- The Wisconsin Public Service Gas Company provided a fuel usage analysis, which calculates gas use for the year prior to the addition of the Air-Rotation Systems and for the year after.
- To make before and after comparisons accurate, all figures have been adjusted for degree-days to reflect the difference in the daily temperatures between the winters before and after adding Johnson Air-Rotation Systems.
- The distribution company nearly doubled the building size while cutting fuel costs by over 30%! Johnson Air-Rotation Systems are heating nearly twice the space with less gas than the distribution company used before the addition.
- With a conservative cost per therm of \$1.06, this equals more than \$50,000 in savings in one heating season alone!
- This savings results in a return on investment in as little as 2-3 years.

TOTAL THERMS USED:

BTU'S PER CL	BIC FT. PER DEGREE-DAY
Before	
After	
Change	70%



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Johnson Air-Rotation[®] HVAC Systems are Manufactured in the USA



(800) 325-1303 11880 Dorsett Road, St. Louis, MO 63043 JohnsonAirRotation.com