

CASE STUDY PLASTIC MANUFACTURING FACILITY



JOHNSON
AIR-ROTATION® HVAC SYSTEMS



PLASTIC PRODUCTION FACILITY SAVES \$234,000 PER YEAR WITH JOHNSON AIR- ROTATION HVAC SYSTEM

APPLICATION:

600,000 SQ. FT. PLASTIC INJECTION MOLDING FACILITY

MARKET:

PINEVILLE, LA

SYSTEM STYLE AND QUANTITY:

5 Indoor floor-mounted Systems and 2 Outdoor roof-mounted Arizon Make-Up Air units

DESIGN

- The customer creates numerous types of plastic bottles including those for Gatorade and Kraft Salad Dressing.
- The customer operated 24/7 with a high heat gain due to equipment in the space.
- Customer required a consistent RH and temperature to prevent condensation bubbles and manufacturing defects in the blow-molding production process.

SOLUTION

- 5 floor-mounted Johnson Air-Rotation® HVAC Systems.
- 2 Arizon roof-mounted make-up air units with 150 total hp
- The systems will deliver 1,630 tons of cooling, compared to a competitive solution with 540 total hp in an alternate proposal.

RESULTS

- The Johnson Air-Rotation® HVAC System saves the facility over \$234,000 in electrical cost each year.
- Reduced installation costs versus the competition by selecting the Johnson Air-Rotation® HVAC System.



Manufactured
in the USA



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