

CASE STUDY DISTRIBUTION CENTER



JOHNSON
AIR-ROTATION® HVAC SYSTEMS



JOHNSON AIR-ROTATION HVAC SYSTEMS EVENLY CONDITIONS NEARLY 1 MILLION SQ. FT. OF DISTRIBUTION SPACE

APPLICATION:

700,000 SQ. FT. DISTRIBUTION CENTER WITH MEZZANINES LEVELS

MARKET:

PHILADELPHIA, PA

SYSTEM STYLE AND QUANTITY:

Eight Cooling & Heating Systems

BUILDING COMPLICATIONS

Mezzanines - Large distribution center outside of Philadelphia with a three level, solid floor pick module area in the middle of the space that required even conditioning and airflow for the workers, products and conveyor systems.

Flexibility - The HVAC design needed to be flexible for future plans of expansion.

Noise - Because of the planned employee computer stations near the proposed HVAC equipment, the equipment had to be extremely quiet.

JOHNSON SOLUTION

Mezzanines - Johnson's engineering team designed a solution that conditioned the 700,000 square foot pick module distribution center. The ARU solution provided conditioning and airflow above and below the mezzanine.

Flexibility - The Johnson System provided the flexibility to fit into the customer's current layout and set-up while allowing for future expansion as the equipment could be relocated.

Noise - Johnson included proprietary high efficiency, low noise fans along with its premium sound construction (double-wall construction, perforated liner, 2" sound insulation) to reduce noise. Additionally, the systems were built with custom burner boxes to attenuate the burner noise as well as a supply and return air sound attenuator. With these design features each Johnson Air-Rotation System operated at the low 60's dBA which the customer was ecstatic with.



Manufactured
in the USA



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