

Johnson Air Rotation® Systems

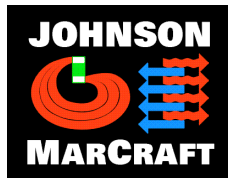
Cooling Unit Features

Standard Features

- Cooling capacities up to 500 tons
- Heating capacities up to 7,000,000 BTU's
- Air volumes up to 200,000 CFM
- Heavy, 18-gauge, painted galvanized panels
- Structural steel frame construction
- Direct expansion or chilled water cooling coils
- Cooling coils operate in a "draw-through" design.
- A variety of filtration levels are possible, with standard being 30% efficient pleated filters
- Stainless steel triple pitched condensate drain pan with a single drain
- Galvanized steel walkway plank for easy maintenance of coils, fans and motors
- Coils and filters are mounted at floor level for easy maintenance and cleaning.
- Adjustable horizontal and vertical discharge louvers and turning vanes for air distribution control
- Insulated cabinet
- Wired at factory for single-point hook-up
- Occupied thermostat
- Rear fan failure light (double fan units only)
- Non-fused motor disconnect switch; motor starter and overload protection
- Key-lock power and control panels (NEMA 1)
- Long lasting paint finish; hinged access door
- UL listed; 1 year parts warranty
- Factory tested for operation and sound in a UL®-approved Test Data Program

Available Optional Features

- Outdoor construction
- Aluminum mesh, pleated and oil mist filters
- Evaporative cooling systems
- Night set-back clock
- Sound reduction package
- Seismic certifications
- Ultra-violet light for bacterial elimination
- Make-up air assemblies, make-up air on/off switch
- Make-up air damper potentiometer; motorized inlet dampers
- Unoccupied thermostat
- Access platforms
- Chillers; condensing units
- Field startup supervision by factory technician
- Rigging and installing supervision
- Stainless steel construction for food-grade and similar applications
- Extended warranty



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Cooling Unit Benefits

1. Most Efficient System in the Industry

- Neutral or positive pressure system – Maintains the conditioned air in the space
- Reduced system tonnage due to Air Rotation® effect by continuous cooling of cooler room air versus much hotter outside air
- Highly efficient fans utilized lower motor horsepower
- Maintenance of the Johnson Air Rotation® System is easy and inexpensive at floor level compared to the high cost of maintaining roof top equipment during hot summers or cold winters
- One Air Rotation® System can usually support many times the cooling capacity of one roof-top unit

2. Provides Extremely Uniform Temperature

- Temperatures in space vary no more than +/- 1 degree
- Eliminates associated air stratification
- Eliminates drafts and cold or hot spots in the space
- Controlled temperatures and humidity levels for product requirements

3. Long Equipment Life

- Heavy duty construction
- Minimal service intervals
- Easy to maintain
- Side access door and walkway plank for easy maintenance of coils, fans and motors
- Filters at floor level are easy to maintain and replace
- 30+ year projected unit life
- Stainless steel IAQ style drain pan

4. Low Installation Cost

- Fewer units per area – One unit can condition up to 200,000 ft²
- No cranes or helicopters
- No roof penetrations , roof loading or roof structural supports
- No duct work required
- Single point electrical connection
- No bracing required for equipment
- Units are “portable” – If you move, the unit can be used in your new facility
- 3 men can erect an Air Rotation[®] unit in _ day
- Multiple coil circulating options available, with or without piping packages

5. Engineering Support and Customer Service

- Our experienced Application Engineers will design the optimum system for your building, saving you money and time.
- Since we have a variety of products to offer, we can advise the best way to condition your building.
- Start-up service technicians ensure perfect operation.
- 83 years of combined applications experience in buildings like yours.
- Applications can be offered with a total performance and satisfaction guaranty.
- Billions of square feet of experience with distribution and manufacturing facilities and warehouses

6. Safety

- UL[®]-listed and approved.
- Manufactured and tested in a UL[®] Test Data Program.