



Air Conditioners Harsh and Hazardous Conditions

Engineered for Extreme Environments

Harsh-Duty Industrial Air Conditioners

*Rugged Through-the-Wall, Split and Roof-Mount Units
Engineered for Long Life in Industrial, Marine and Military Conditions*



Tough Standards from DMC:

- ▶ To resist corrosion, all cabinets made of stainless-steel (type 316L) — up to 16 gauge
- ▶ Prevent clogging of condensers and evaporators by spacing their fins widely apart to allow dust and sand to pass through
- ▶ Corrosion protection on every condenser and evaporator provided by electrostatically-applied and baked-on epoxy (e-coating)
- ▶ Full cooling capacity rated at 131°F (55°C) — not just up to the normal 95°F (35°C) — and down to 32°F (0°C) without modification or electronic controls provided by low-maintenance patented design (down to -40°F/C as an option)
- ▶ Energy efficient — even under harsh conditions, not just in clean test laboratories
- ▶ Mechanical controls only — eliminate vulnerability of electronics and their high cost to repair
- ▶ Energy efficiency and reduced noise provided by heavy-duty backwardly-inclined corrosion-resistant blower wheels
- ▶ To protect controls units meet NEMA 4X and IP56 standards
- ▶ Motors corrosion-protected — totally enclosed and stainless-steel (300 Series) shafts
- ▶ Maintenance facilitated by easily-removed insert on slide-in tray, high and low-pressure cut outs, head-pressure controls, redundant refrigerant access valves, and receivers
- ▶ All units modifiable (as option) for hazardous (explosive) locations while retaining all their harsh-duty features — NEC Classes I, II, III Divisions/Zones 1 or 2 and similar IEC/ATEX areas
- ▶ Three configurations available: Through-the-Wall (Window), Split, and Roof-Mount

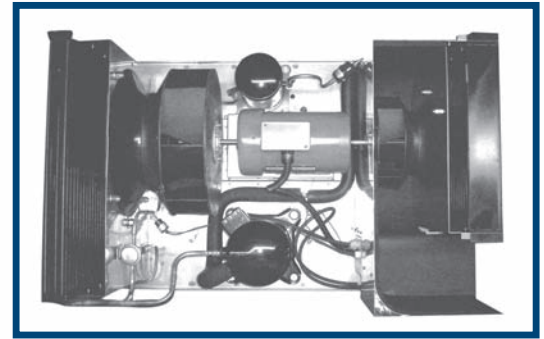
WHEN THE GOING GETS TOUGH, DMC KEEPS YOU GOING!

These air conditioners are not simply ordinary commercial models modified for industrial conditions — We Build Them From Scratch To Last!

63 Flushing Avenue, Unit 236, Brooklyn, NY 11205 Tel: (718) 643-5151 Fax: (718) 643-9601 www.DurableMachinery.com

Additional Options:

- ▶ Built-in 5 KW or 10 KW corrosion-resistant incoloy tubular electric heaters (do not change overall dimensions).
- ▶ Standard models engineered for 60 Hz single-phase current.
- ▶ As option, DMC adapts units to compensate for loss of capacity at 50 Hz or to operate on three-phase current and at special voltages.
- ▶ Adaptation for use on vehicles (cranes, workboats, mining equipment and military vehicles) and other applications with vibration or other types of movement.
- ▶ Powder-coat painting for military or other special applications
- ▶ Through-the-Wall (Window), Split and Roof-Mount models all made with the same capacities and to the same harsh-duty standards.
- ▶ Thermostat isolated so that only authorized personnel can access and adjust it.
- ▶ Units can be made suitable for hazardous (explosive) locations classified as Class I Groups B, C or D, Class II Groups E, F or G, or Class III, Divisions/Zones 1 or 2, and equivalent EEX/ATEX conditions.
- ▶ Hazardous-duty (“explosion-proof” and “flame-proof”) units comply with the T3B temperature standard (even with optional 5 KW and 10 KW heat included) and the AMCA C anti-spark standard.
- ▶ Scroll compressors are standard on most models.



Typical Air-Conditioner Insert



Roof-Mount Air Conditioner (Painted for Military)

Who Needs DMC's Air Conditioners?

- Alcohol and Extract Plants
- Bakeries and Grain Elevators
- Barges and Bulk-Cargo Ships
- Cement and Lime Plants
- Chemical and Gas Plants
- Ships, Civilian and Military
- Coal and Coke Plants
- Corn Processing Plants
- Crane, Drag Line, and Shovel Cabins
- Distilleries and Breweries
- Guard Booths and Towers
- Dry-Cleaning and Dyeing Plants
- Fertilizer Plants
- Hospitals
- Laboratories
- Waste-Treatment and Sewer Plants, and Land Fills
- Explosives and Munitions Manufacturers
- Military Vehicles
- Mines and Mining Vehicles
- Munitions Storage
- Nuclear Power Plants
- Offshore Oil Terminals and Platforms
- Oil Refineries
- Marine Facilities, Onshore and Offshore
- Paint Booths
- Paper, Pulp and Plywood Plants
- Ship Yards and Dry Docks
- Steel and Aluminum Mills and Foundries
- Toll Booths and Tunnels
- Electric and Steam Plants

If your local retailers or refrigeration distributors do not have the units you need in stock, have them contact our plant or contact us yourself.



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