

Protective Cooling Catalog

EDITION 10.2



*Air Conditioners, Heat Exchangers &
Engineered Solutions for Closed-Loop
Electronic Systems*



McLean[®]
COOLING TECHNOLOGY

*Protecting Electronics.
Exceeding Expectations.*[™]



Pentair
Technical Products



SPECTRACOOTM Indoor & Outdoor Air Conditioner

Makes electronics cooling easier, so you can go about your business

Calm, cool and collected

EARTH-FRIENDLY

- Rotary compressor delivers up to 50% greater energy efficiency
- R134a and R407c earth-friendly refrigerants
- Produces 68 dB, quieter than other traditional air conditioners
- RoHS compliant

EASY INSTALLATION

- 30 pounds (14 kilograms) lighter than the T50 Outdoor Air Conditioner
- UL Listed, saving customers time and money by having agency approvals
- Built-in installation hooks on the back of each unit
- Cut-out adapters for enclosures with GENESIS[®] and T-Series Air Conditioners, enabling users to easily transition to the new models

CLEAN APPEARANCE

- Attractive industrial design
- Minimal use of visible fasteners
- RAL 7035 light-gray powder-coat paint in a semi-texture finish
- Other paint colors and textures available

VERSATILE COOLING

- Indoor and outdoor models
- 4000, 6000, 8000, 12,000 & 20,000 BTUs/Hr. (1100, 1700, 2300, 3500 & 5900 W) of cooling
- 115, 230 and 460 3-phase AC volt power input with +/- 10% operating range
- Exterior and partially recessed mounting options

RELIABLE PERFORMANCE

- Operating temperature range:
 - -40 F/-40 C to 131 F/55 C outdoor
 - 50 F/10 C to 131 F/55 C indoor
- UL Type 12/3R/4 rated and Telcordia GR-487 capable
- IP34 rated for incoming ambient air
- IP56 rated for air moving from the AC into the enclosure
- Type 4X stainless steel option available
- All-metal shroud to better withstand rugged factory and outdoor environments
- Dual condenser-side air movers for performance redundancy
- Washable metal filter to keep coil clean for maximum performance
- Made in an ISO 9001 certified facility
- Thoroughly tested during engineering development to withstand vibration and perform in virtually any environment
- Every unit functionally tested before shipping

EASY TO SPECIFY

- Standard Indoor air conditioner has:
 - Condensate management heater strip
 - Power-off relay for door switch
 - Malfunction switch
- Standard outdoor air conditioner has:
 - Telcordia GR487 capability
 - Corrosion-resistant components
 - Malfunction switch
 - Compressor heater
 - Head pressure control
 - 2000 W enclosure heater

RESPONSIVE

CUSTOMER SERVICE

- Popular models in-stock, ready for immediate shipment
- Backed by a 1-year standard warranty
- Over 1,000 field repair technicians worldwide
- Secure and easy-to-use online spare parts store

SPECTRACOOTM's Key Advantages

- 1 UL Listed, saving customers time and money by having agency approvals
- 2 Built-in flanges on back and 30 lb. (14 kg) lighter for easy installation
- 3 R134a rotary compressor for greater energy efficiency and environmental friendliness
- 4 Clean attractive design, adding value to the electronic system's aesthetics
- 5 Rugged all-metal shroud for demanding factory and outdoor environments
- 6 Dual condenser-side impellers for performance redundancy
- 7 Easy-to-access metal filter and other components for fast service and less system downtime



Type 12/3R/4 Type 4X optional



CLIMAGUARD™ Outdoor Heat Exchanger

Lab- and field-tested to seal out harsh environments

Stands tough against mother nature

EARTH-FRIENDLY

- Consumes less energy than traditional air conditioners
- RoHS compliant

VERSATILE COOLING

- Removes up to 3000 W of enclosure heat
- Works with 24 VDC, 48 VDC, 115 VAC and 230 VAC power input
- Surface- and recess-mount options
- Up to 2000 W heater selection on DC and AC volt models

RUGGED DESIGN

- Engineered for extreme climate conditions
 - -40 F/-40 C to 149 F/65 C operating temperature range
- UL Type 12/3R/4 rated and Telcordia GR-487 capable
- Powder-coated galvanized sheet metal shroud
- UL Type 4X stainless steel option available
- Corrosion-resistant aluminum core

RELIABLE PERFORMANCE

- Every core double-sealed for maximum weather protection
- Few moving parts
- Made in an ISO 9001 certified facility
- Every unit functionally tested

Goes easy on human nature

QUIET

- Variable-speed blowers standard on DC-powered units for quieter operation

EASY TO USE

- UL Listed, saving customers time and money by having agency approvals
- Built-in installation hooks on the back of each unit
- Filterless capable for most operating environments

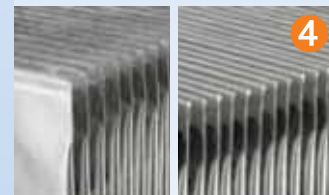
RESPONSIVE CUSTOMER SERVICE

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CLIMAGUARD's Key Advantages

- 1 UL Listed, saving customers time and money by having agency approvals
- 2 Built-in hooks to hang unit before fastening to cabinet for easier installation
- 3 DC- and AC-volt power input options to work in a variety of systems without power conversion



4 Double-sealed core for maximum protection against extreme weather

- 5 Powder-coated galvanized metal construction with stainless steel option that stands up to harsh environments
- 6 DC-volt models operate at variable speeds, producing less noise

Type 12/3R/4 Type 4X optional

