



Air Conditioners:

Advantage

Guardian

Intrepid

Mini

Profile

» Profile 480

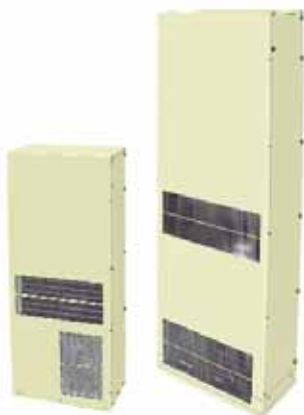
Rack Mount

Top Mount

Traditional

TrimLine

Water-Cooled



Profile Series **480-Volt Air Conditioners**

 **KOOLTRONIC**
COOLING EXCELLENCE FOR ELECTRONICS

Profile 480 Series Indoor/Outdoor Air Conditioners



STANDARD FEATURES

- Textured Baked Powder Finish
- Built-in Condensate Evaporator
- CFC-Free Refrigerant
- Closed-Loop Cooling
- Phase Sequence/Phase Loss Detector
- Heavy-duty Steel Enclosure
- Electronic Low Temperature Control Thermostat
- Exclusive KOOLTRONIC M/Seal mounting system
- NEMA 12/3R Rating Maintained (UL50)
- External junction box for permanently connected wiring
- UL/CUL Listed
- Electronic Condenser Impeller Speed Controller



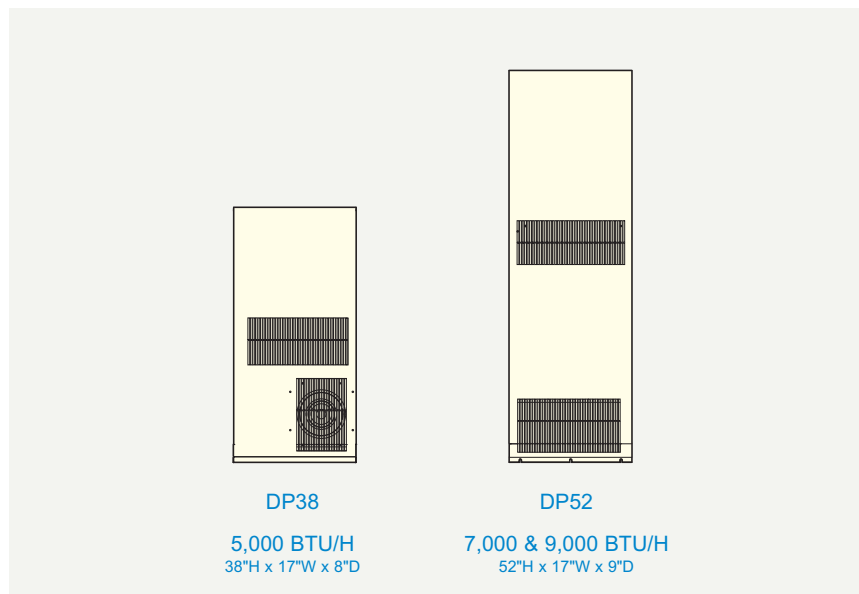
The Profile 480 Series Air Conditioners

From the leaders in electronics cooling technology comes exciting additions to the **Profile Series** Air Conditioner line: 480-Volt 3-phase models!

Engineered with 480-Volt, 3-phase compressors, these new *Profile 480 Series* units eliminate the need for costly transformers. The indoor/outdoor *Profile 480 Series* has a NEMA 12 & 3R Rating, with all models UL/CUL Listed, making them the perfect choice for industrial automation applications. Enclosure side mounting is made simple with the exclusive M/SEAL Mounting System.

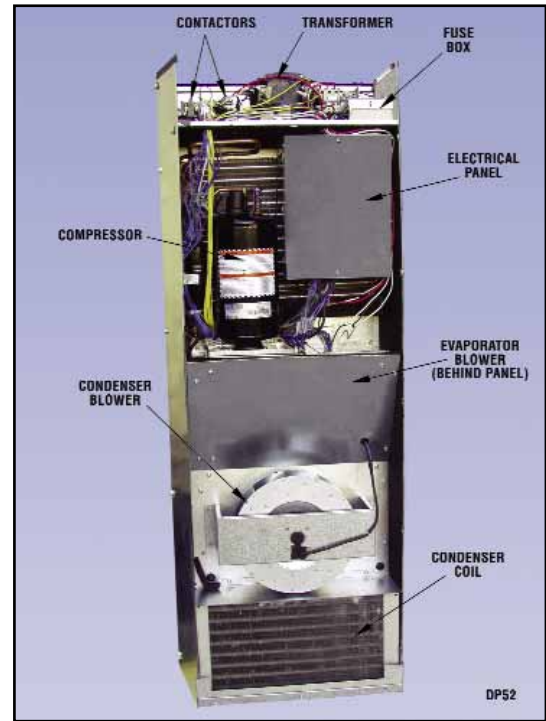
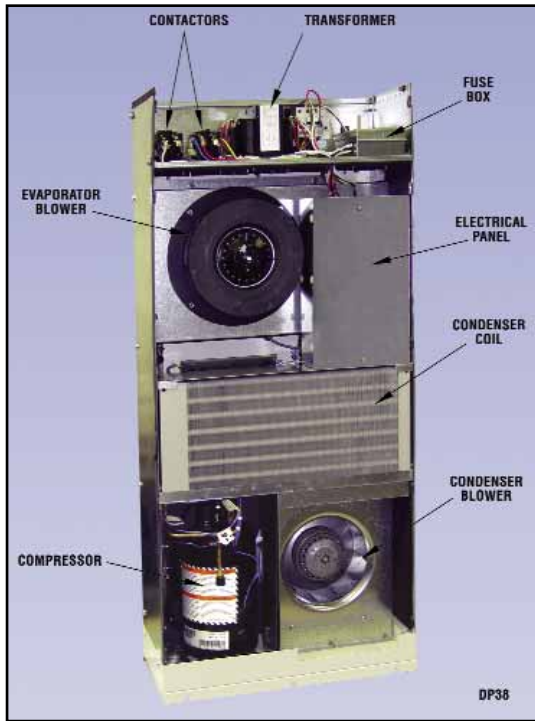
In addition to the list of standard features, the *Profile 480 Series* models are also available with a wide range of accessories and options, including stainless steel cabinets, short-cycle protector, cooling effect detector and cabinet heater.

The series consists of three air conditioners in heights of 38 and 52 inches, with capacities of 5,000, 7,000 and 9,000 BTU/H.*



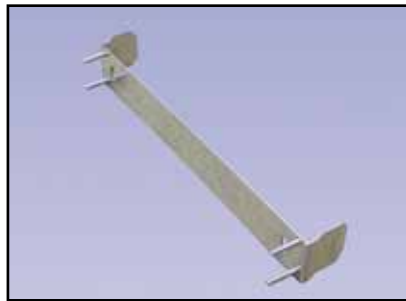
*The Profile Series is also available in 115 and 230 Volt Single Phase units. Contact Kooltronic for details.

Profile 480 Series Indoor/Outdoor Air Conditioners

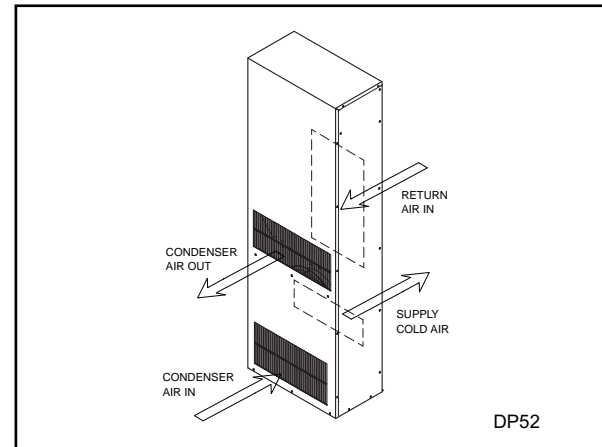


Indoor/Outdoor 480-Volt 3-Phase Air Conditioners

The *Profile 480 Series* 3-phase Air Conditioners have been engineered to operate under the most demanding industrial applications. The components used in these models have been specially designed and tested to maintain cooling efficiency in temperature controlled enclosures in bottling plants, the automotive industry and other commercial/manufacturing applications.



KOOLTRONIC'S M/SEAL mounting system is exclusive to the *Profile 480 Series* Air Conditioners. The Mounting Hook (right) is bolted to the electronic enclosure. The air conditioner, with two vertical slots on the front, slides onto the two tabs of the Mounting Hook (left). The air conditioner lies flush against the enclosure, with the gasket assuring a tight seal.



Principles of Operation

Kooltronic Air Conditioners are required when the equipment operating temperature must be kept near or lower than the ambient room temperature, and/or the cabinet must be sealed from dust, fumes or other contaminants. These air conditioners utilize a "Closed-Loop Cooling System" to insure optimum performance of the installed components.

Closed-Loop cooling seals the electronic enclosure from hostile elements in the environment by employing two separate circulation systems. The internal system cools and dehumidifies the air inside the cabinet. The external system uses circulating ambient air to discharge the heat removed from the electronics.

Applications

Electronically controlled high speed bottling equipment (left and below) is just one of the applications Kooltronic *Profile 480 Series* units are currently cooling.



Ready to serve you!



Engineers and system integrators use the KOOLTRONIC website during the design phase of their projects to find the answers to their cooling questions.

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