



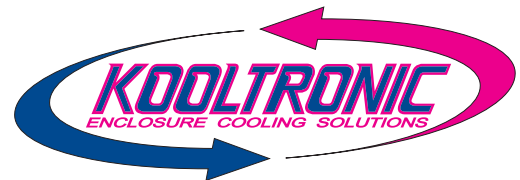
### Air Conditioners:

» **Advantage**

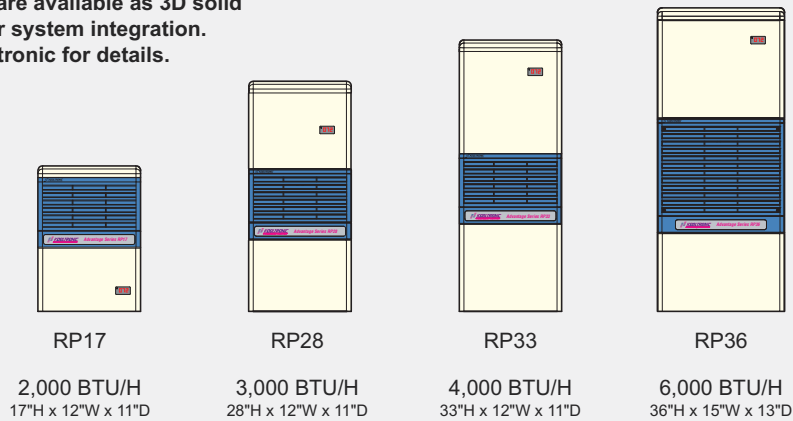
- Guardian
- Guardian 480
- Intrepid
- Mini
- Profile
- Profile 480
- Rack Mount
- Top Mount
- Traditional
- TrimLine
- Water-Cooled



## Advantage Series Air Conditioners



Many popular units are available as 3D solid models for customer system integration. Please contact Kooltronic for details.



The **Advantage Series** Air Conditioners are designed specifically for cooling electronic enclosures and can be used for both indoor and outdoor applications - right out of the box!

No more bulky unattractive weatherhoods. No more worries over what options to specify for outdoor applications. Expertly designed and crafted, the *Advantage Series* boasts a stylish appearance with rounded edges, no visible hardware and a baked powder finish to blend easily with contemporary enclosure designs.

Servicability has been made easier by incorporating a "knock-down" sheetmetal design which provides quick access to internal components.

These air conditioners are available in capacities from 2,000 to 6,000 BTU/H in four heights.

## KEY FEATURES AND BENEFITS

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### CLOSED-LOOP COOLING

Enclosure airflow is isolated from ambient air, which cannot invade sensitive electronic components in the enclosure.

### STYLISH APPEARANCE

With rounded edges, no visible hardware and textured baked powder finish these models blend easily with contemporary enclosure designs.

### "KNOCKDOWN" SHEET METAL DESIGN

Quick access to internal components.

### THERMOSTATICALLY CONTROLLED

Prevents over-cooling and provides energy-efficient operation.

### NEMA TYPE 12 & 3R RATINGS MAINTAINED

An excellent choice for indoor/outdoor environments.

### SIX FOOT [1.8m] (MINIMUM) 3-WIRE CORD

UL/CUL Recognized.

### FULL LINE OF OPTIONS AVAILABLE

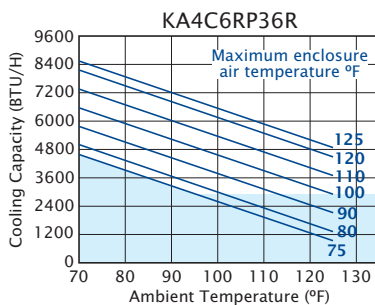
A complete line of accessory items simplifies modifications to meet individual requirements.

**NEMA Type 12 & 3R Ratings make the *Advantage Series* the perfect choice for almost any application where closed-loop cooling is needed:**

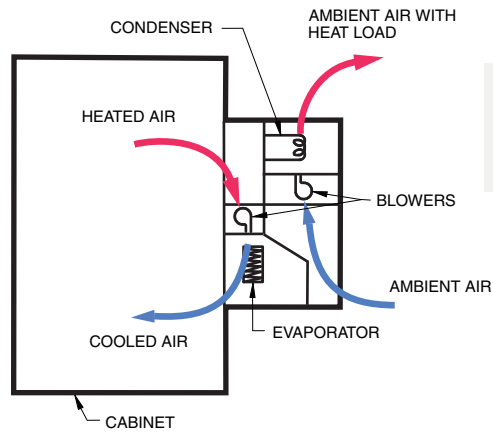
- ✓ **Telecommunications**
- ✓ **Industrial**
- ✓ **Medical**
- ✓ **Transportation**
- ✓ **Pharmaceutical**
- ✓ **Security**
- ✓ **Machine Tool**



KOOLTRONIC forms the corners of the **ADVANTAGE Series** Air Conditioners to create seamless, rounded edges that are strong and attractive.

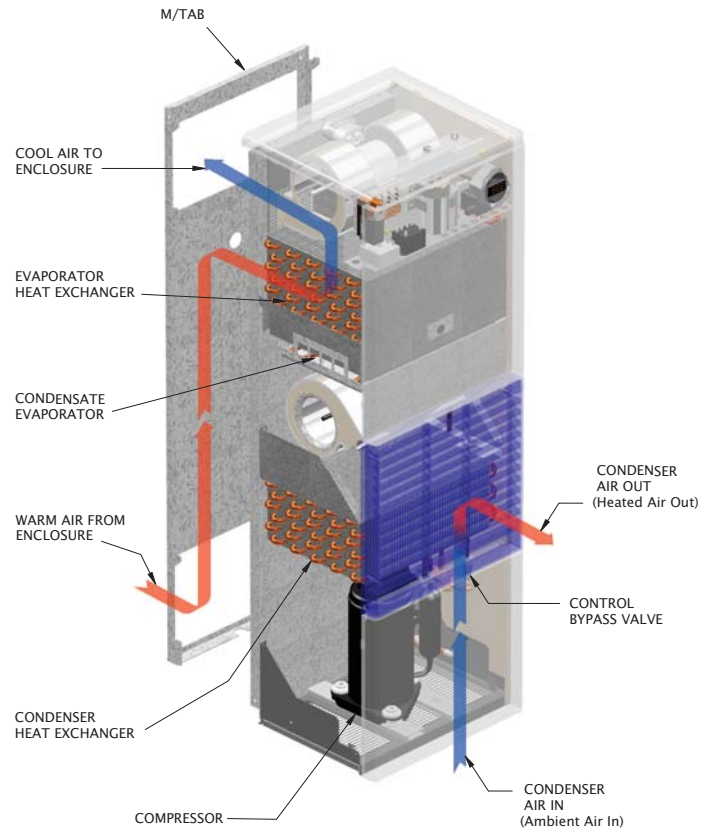


The cooling capacity of the RP36 is shown in the chart above.



In hermetic air conditioners a condenser, evaporator and two blowers combine to chill the air circulating in the enclosure.

## Typical Advantage Series Air Conditioner



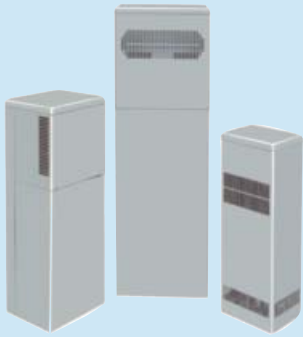
### VAPOR COMPRESSION CYCLE

Heat is removed by enclosure air conditioners and discharged by means of the vapor compressor refrigeration cycle. This takes place in a hermetically sealed system. Refrigerant in vapor form is forced into the condenser heat exchanger, where it is cooled and condenses into a liquid. Refrigerant enters the evaporator as a liquid beginning to vaporize. As the blower-driven heated air from the enclosure passes through the evaporator heat exchanger the refrigerant absorbs the heat, and the conversion to vapor is completed. Any moisture in the air is removed by condensation. The cool, dehumidified air is then returned to the cabinet.

For more information on these and all of our thermal management products please visit our website:

**kooltronic.com**

**KOOLTRONIC CARRIES A FULL LINE OF AIR CONDITIONERS, HEAT EXCHANGERS, FANS, BLOWERS AND ENCLOSURE ACCESSORIES**



**NEMA 12 & 3R  
Heat Exchangers**



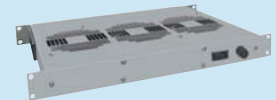
**NEMA 4 or 4X Air Conditioners  
(480 Volt models available)**



**NEMA 12  
Filter Fans**



**NEMA 4 or 4X Filter  
Fans**



**Fantrays**



**Basic Blowers  
and  
Packaged Blowers**



**Custom Design**



**Enclosure Accessories**

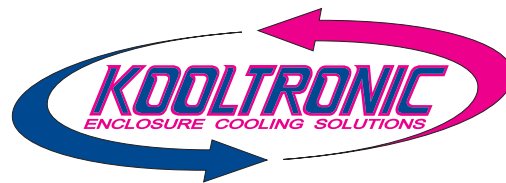
In the 60th year of service to its customers, Kooltronic is the leading manufacturer of air conditioners, heat exchangers, fans and blowers designed specifically to cool the interiors of enclosures containing heat sensitive components. We operate a complete manufacturing facility and sales office at our headquarters in Pennington, NJ.

Corporate Headquarters:

30 Pennington-Hopewell Road  
Pennington, New Jersey 08534  
Phone: (609) 466-3400



Scan with your smart phone  
to visit kooltronic.com



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**kooltronic.com**



**Cooling  
resources,  
tips & advice.**

