

*Indoor/Outdoor
Cooling
Solutions*



NEMA 3R & 4X
From KOOLTRONIC

Indoor/Outdoor Cooling Solutions: Variety - Ahead of the Curve

Experience is Key

Providing industry with innovative cooling solutions has always been a major commitment at KOOLTRONIC. For over fifty years we have worked closely with clients to pinpoint the problems inherent in maintaining the consistent temperatures necessary to keep sensitive electronics operating safely. In the process, KOOLTRONIC has developed insight into the unique cooling needs of a variety of industries. Environments housing electronics can vary greatly - from indoor central sites, to remote sites open to weather, to diverse manufacturing sites subjected to corrosive elements. For these, and many other environments presenting unique cooling problems, KOOLTRONIC has designed effective cooling solutions.

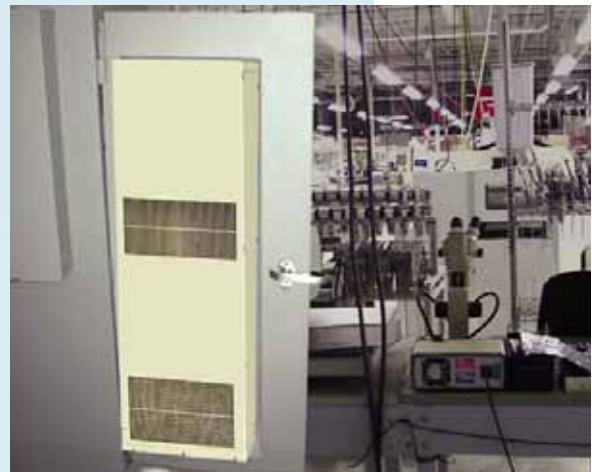
NEMA 3R and 4/4X

KOOLTRONIC NEMA 3R and 4/4X Air Conditioners and Heat Exchangers have been designed and tested to function in indoor and outdoor applications where closed-loop cooling is required to protect against environmental hazards. NEMA 3R models are rainproof, and designed for the most challenging outdoor environments. The sealed, high-compression interface, special sheet-metal design and stainless steel construction of the NEMA 4/4X models provide protection from washdown and corrosive environments. With all units Listed or Recognized by Underwriters Laboratories, KOOLTRONIC NEMA 3R and 4/4X Air Conditioners and Heat Exchangers offer reliable cooling under the most extreme conditions. They provide maximum environmental control and assurance against costly system breakdowns.

Cooling to fit any Application

Because of the high level of protection they provide, KOOLTRONIC NEMA 3R and 4/4X Air Conditioners and Heat Exchangers are used in virtually every application imaginable:

- ✓ **Telecommunications**
- ✓ **Chemical Processing**
- ✓ **Medical**
- ✓ **Food and Beverage**
- ✓ **Transportation**
- ✓ **Pharmaceutical**
- ✓ **Security**
- ✓ **Wastewater Treatment**
- ✓ **Machine Tool**



NEMA 3R & 4/4X Air Conditioners



Advantage Series NEMA 3R Top-Mount Air Conditioners are available in capacities from 3,000 to 12,000 BTU/H.



The new *Profile Series* NEMA 3R Air Conditioners have the option of internal or external mounting, offering new levels of security and versatility. The *Profile Series* also offers external-mount high-capacity models, 480 Volt 3-Phase and NEMA 4/4X Rated models. Contact KOOLTRONIC for information on available model sizes and BTU/H ratings.



The *Advantage Series* NEMA 3R Air Conditioners are available in capacities from 2,000 to 6,000 BTU/H. Stylishly designed with rounded edges, these units fit well with modern enclosures.



The *Intrepid EP56* NEMA 3R Outdoor Air Conditioners have cooling capacities of 30,000 BTU/H and offer the option of either top or bottom evaporator discharge.



The *Integrity Series* Air Conditioners were designed specifically for NEMA 4/4X enclosure applications that require washdown or are subject to outdoor storm conditions.



NEMA 3R & 4/4X Heat Exchangers

The *Advantage Series* NEMA 3R Air-to-Air Heat Exchangers are ideal for applications that can tolerate operating temperatures somewhat higher than ambient. These units utilize a heat transfer element that provides excellent thermal transfer performance and is easily removed for cleaning.



The *Integrity Series* NEMA 4/4X Heat Exchangers are intended to compliment the *Integrity Series* Air Conditioners for those applications that require the protection of closed-loop cooling, but can tolerate operating temperatures somewhat above the ambient.

The best choice for NEMA 3R and 4/4X cooling equipment:

- ✓ **All units Listed or Recognized by Underwriters Laboratories**
- ✓ **NEMA 3R & 12 and 4/4X ratings maintained**
- ✓ **M/TAB quick mounting system assures easy installation and allows for interchangeable mounting of air conditioners and heat exchangers of the same series**
- ✓ **High performance blowers and impellers assure maximum airflow and efficient heat transfer**
- ✓ **Most air conditioners feature environmentally-friendly CFC-free refrigerant**
- ✓ **KOOLTRONIC NEMA 3R and 4/4X Air Conditioners and Heat Exchangers offer the ultimate assurance of performance and protection**
- ✓ **KOOLTRONIC Air Conditioners and Heat Exchangers are manufactured in the USA**

Keeping your electronics cool and dry in the most challenging environments

Located throughout North America, the Kooltronic sales organization is dedicated to total customer satisfaction. Experienced cooling experts from our sales and engineering departments can help you design a system to meet the most challenging environments. They can assist with model selection, placement, accessories or custom design to achieve the optimum solution for your application.



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