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CASE STUDY

- PRODUCT:** COLMAC AR INDUSTRIAL AIR COOLER
- APPLICATION:** HIGH TEMPERATURE (45°F) FOOD PROCESSING
- FACILITY:** REPACKAGING AREA FOR FRENCH FRIES
- (QTY) X MODEL:** (4) X AR9-424L-S-24-1/2-DXA-A-B
- SPECIFICATIONS:** **4.9 Tons Capacity (each)**, 45F Room, 12F TD
Direct Expansion Ammonia, Air Defrost
10,600 CFM Airflow
5/8" x 0.049 Aluminum Tubes, 4 Rows Deep
0.010" Aluminum Fins, 4 per Inch
2 x 1/2 Hp, 1140/850 rpm, Two-Speed Motors
2 x 24" Dia. Aluminum Fans
304 Stainless Steel Cabinet
18.75 sq ft Face Area, 742 sq ft Total Surface Area
475 lbs Operating Weight
Overall Dimensions: 40" H x 35" W x 106" L

DESCRIPTION:

The ability to thoroughly **clean** all types of equipment (including **air coolers**) installed in areas where **food is prepared and packaged** is critical to the food processing industry. **Colmac AR "Above Rail" Industrial Air Coolers**, were created with this requirement in mind. **Panels** on the sides of the unit cabinet are **easily removed** for full **access and cleaning** of coil fin surfaces and cabinet interior. **Optional stainless steel** cabinet construction is available for enhanced cleanability. **Colmac AR** coolers are also designed for **low noise**, and **low air velocity**, important features for populated **work areas** such as food processing rooms.



Colmac was selected to supply all of the **air coolers** for a large **french fry processing** facility constructed in the **Midwestern United States**. The facility includes a high temperature reprocessing, **repackaging room**, with a requirement for **fully cleanable** air coolers. **Colmac AR** coolers were selected for operation with **direct expansion ammonia** and air defrost. **304 stainless** steel cabinets were specified since the units are **cleaned** at regular intervals. The units were also provided with **two speed fan motors** for **super quiet** operation.

Remember - **"When You Want to Specify Quality, Specify Colmac"**.