

CASE STUDY

PRODUCT: COLMAC COIL ICL INDUSTRIAL AIR COOLER

APPLICATION: HIGH TEMPERATURE (45°F) LOADING DOCK

FACILITY: LOADING DOCK FOR FOOD PROCESSING FACILITY

(QTY) X MODEL: (6) X ICL11-438L-G-24-3/4-DXA-A-B

SPECIFICATIONS: 13.8 Tons Capacity (each), 45F Room, 12F TD
Direct Expansion Ammonia, Air Defrost
18,339 CFM Airflow
5/8" x 0.049 Aluminum Tubes, 8 Rows Deep
0.010" Aluminum Fins, 4 per Inch
3 x 3/4 Hp, 1140 rpm, 3 x 24" Dia. Aluminum Fans
33.75 sq ft Face Area, 2,683 sq ft Total Surface Area
1,240 lbs Operating Weight
Overall Dimensions: 40" H x 39" W x 181" L

DESCRIPTION:

Colmac Coil ICL Industrial Air Coolers are available for a wide range of applications, for a variety of refrigerants, and defrost configurations. These air coolers can be applied to high, medium, and low temperatures, with air, hot gas, water, or electric defrost. Refrigerants may be ammonia, or halocarbon, set up for direct expansion, liquid overfeed (pump re-circulated), or gravity flooded operation. Circuiting for glycol or brine is also available. Colmac Coil's unique "hot plate" hot gas defrost drainpan design insures fast, complete defrosting, even at freezer temperatures.

Colmac Coil's Coldware software includes English and metric units, along with ratings for both 50 and 60 Hz supply voltage. The Coldware software is available through your local sales representative or by contacting Colmac Coil directly.

Colmac Coil 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 loading dock where the finished frozen product is loaded into trucks for shipment all around the U.S. Colmac Coil ICL coolers were selected for operation with direct expansion ammonia and air defrost. The low air velocity and low noise levels along with direct expansion operation are ideal for trouble-free operation in the high traffic loading dock area.

"The Heat Transfer Experts"

