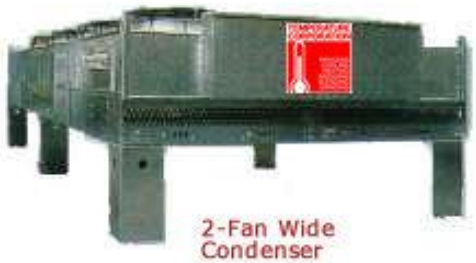
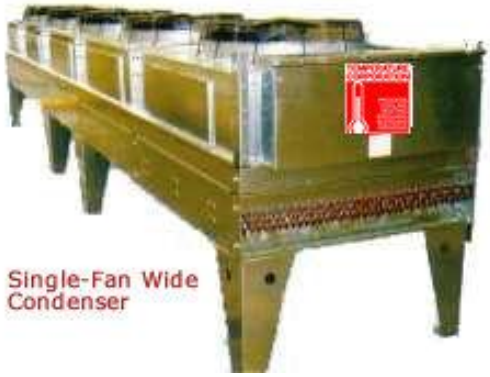
REMOTE AIR COOLED CONDENSERS

REMOTE AIR COOLED CONDENSERS - TRAC SERIES
Range – Designed to operate from 0° F (-17.7° C) with fan cycling and speed control of the first fan down to -30° F (34° C) ambient with flooded condenser incorporating a heated receiver and head pressure control valves to 105° F (40.5° C) summer ambient conditions (higher ambient operating units available).

Remote Air Cooled Condensers
Model TRAC

- Units available for 410A, 407C, 404A and 134a.
- Standard units are designed for a maximum entering air temperature of 105° F ambient with special units designed for 115° F entering temperature.
- Standard design is with fan cycling for a low winter ambient entering air temperature of 55° F, with fan speed control of the first fan to 0 F ambient and with flooded condenser low winter ambient to -25° F, special units to -40° F.
- Standard 410A condensers to match our chillers - models TRAC015DZV, 15, 20, 25, 30, 40, 50, 60, 70 and 85.
- We also supply condensers to match the condensing capacity of non-standard chillers and chillers with other Freons.


2-Fan Wide Condenser


Single-Fan Wide Condenser

Features and Benefits

CORROSION RESISTANT HOUSING: All our models employ mill galvanized steel fan sections and coil sides, “C” section side supports and legs of heavy mill galvanized steel with all bolted construction.

HIGH EFFICIENCY COIL: Copper tubes are mechanically expanded into corrugated full collared aluminum fins spaced 10 fins per. Coils are pressure tested under water with 400 psig dry air and are shipped pressurized. On units with one to five fans 3/8” grooved copper tubes are used, on the six fan unit ½” smooth bore copper tubes is used.

COMPUTERIZED COIL CIRCUITING: Our computerized coil circuiting program is designed to minimize the condenser refrigerant charge and maximize sub cooling. Every condenser is custom circuited to precisely meet each chiller requirement.

UNIQUE COIL SUPPORT DESIGN: The unique coil support system utilizes stainless steel tubes to isolate refrigerant tubes from the unit. Coil support is transferred from the fins to the stainless steel tubes and truncated tube plates which ride

freely in “C” channels. Tubes expand and contract without interference, resulting in elimination of contact and friction wear.

This unique coil design not only reduces wear but reduces sound. Fan and coil vibration is isolated from the cabinet, so it is not transmitted to the condenser frame and building supports.

CONDENSER FANS: Quiet multi-bladed propeller fans provide uniform air distribution through the coil. Venturi fan orifices optimize efficiency. Condenser is two fans wide (one for each circuit) and has two fans in each row, for a total of four.

Individual fan compartments allow for individual fan cycling while preventing off-fan “wind milling”. Fan compartments come complete with large clean-out access doors.

WEATHER RESISTANT CONTROL PANEL: Standard weather resistant enclosure is mounted to the frame, control panel is compete with 120V control voltage transformer, primary and secondary fuses, fan contactors, fan cycling control thermostats, three-phase fuses for fan motors and pre-wired to fan motors. All that is required is a signal from the chiller that the compressor is operating and the condenser automatically controls the head pressure.

WITH OVER 40 YEARS EXPERIENCE DESIGNING AND BUILDING CHILLERS AND CHILLING SYSTEMS, WE CAN ASSIST YOU THROUGH THE DESIGN, INSTALLATION AND START-UP OF YOUR SYSTEM.

CONTACT INFORMATION

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