

ALL LORC, LNL, LNH, LNQ AND LNX SERIES REMOTE CONDENSERS SPECIFICATION DATA

GENERAL INFORMATION

All DCA dehumidifiers are manufactured to be remote condenser ready with all valves and electrical devices in place to be connected to an outdoor remote condenser. Air cooled remote condensers are used to reject excess heat to the outdoors if the heat generated by the dehumidifier cannot be used for room air heating or pool water heating. This condenser can supplement the room A/C system or be the sole source of room cooling. This condenser shall be large enough to reject all the recovered heat outdoors without simultaneously rejecting heat into the pool water or room air. This condenser shall be capable of operation down to -20°F.

Units shall be furnished as air-cooled condensers, arranged for vertical airflow. All units to be UL listed.

UNIT CABINETS

- Coils shall be constructed of seamless copper tubing on a staggered pattern.
- All multiple fan units shall be divided by full width baffles to separate individual fan sections, prevent air bypass and provide additional casing reinforcement.
- All end panels, center supports and partitions shall have collared tube holes for increased tube life.
- All Units shall be provided with lifting eyes for rigging.
- Units shall have 10 gauge galvanized steel legs and 12 gauge base rail.
- Units are arranged for vertical airflow.

CONDENSER COIL

- Coils shall be constructed of seamless copper tubing on a staggered pattern.

- Tubes shall be mechanically expanded into continuous fill-collared plate-type aluminum (or optional copper) fins for permanent metal-to metal contact.
- All coils shall be factory pressure and leak tested at 400 psi. The coils are shipped with a dry nitrogen holding charge.

FANS

All fans shall be aluminum propeller blade type with painted steel hubs. Fans shall be dynamically balanced and factory tested before shipping to ensure quiet operation.

- Fans shall have dual square head set screws spaced 90° apart which seat onto one flat and one keyway on the motor shafts.
- Fan diameters shall not exceed 30 inches.

FAN GUARDS

- Fan guards shall be heavy gauge, close meshed steel wire with vinyl coating for maximum rigidity, long life and attractive appearance.

FAN MOTORS

Fan motors shall be heavy duty PSC or three phase open drip-proof type with permanently lubricated ball bearings and built-in overload protection.

- All motors shall be factory wired with leads terminating in a weather-tight enclosure located opposite the header end of the unit. Leads on 6-Fan units and larger terminate at the power block.
- Fan motors shall be a rigid base type mounted to 12 gauge galvanized steel rails.

