



LPCA SERIES COMPACT CHILLERS

Ultra-Compact Indoor Air-Cooled from 1 to 20 Tons



OUR MOST AFFORDABLE AND COMPACT COOLING SOLUTION

Designed for indoor location, Cooling Technology's LPCA Series is a turnkey indoor air-cooled chiller that comes complete with an integrated pump/tank. At dimensions as small as 30"Wx39"Lx61.5"H, the LPCA Series can fit into virtually any small space!

USER-FRIENDLY

Cooling Technology's easy-to-use standard microprocessor controller offers a wide setpoint temperature range, from -58°F to 194°F.

SAFETY COMES STANDARD

Cooling Technology's standard safety mechanisms include a high refrigerant pressure relief valve, automatic high and low refrigerant pressure cut-off, and—on the process side—low flow cut-off and freeze protection.

CLEAN & EFFICIENT

All Cooling Technology water piping is manufactured with non-ferrous material to ensure clean process water and a corrosion-free environment. Completely insulated with closed cell foam, our design approach conserves energy.

QUALITY IS OUR CUSTOM

From the best available compressors to our NEMA 4 electrical panels and everything in between, Cooling Technology systems are constructed with quality.

READY TO RUN

All Cooling Technology chillers are fully-wired, fully-charged, and factory tested under load conditions to ensure easy installation and successful start-up.

FEATURES

- Highly-efficient Type 316 **stainless steel plate evaporator**, featuring ridged patterns that are brazed together to form two separate channel systems, allowing the refrigerant and fluid to flow in counter directions.
- Reducing refrigerant requirements, a **brazed plate design** allows for closer approach temperatures and more efficient heat transfer than shell and tube models.
- An **inline strainer** with removable stainless steel screen protects the evaporator from contamination.
- A **vented insulated tank** features sight glass, drain and make-up connection.
- All electrical components are mounted in a **NEMA 4 electrical panel** that is professionally wired and numbered to correspond with the schematic.
- Completely insulated with **closed cell foam**, our design approach conserves energy.
- Depending on cooling requirements and refrigerant type, Cooling Technology selects the best available scroll, reciprocating or screw **compressor**.
- The LPCA Series is constructed with **non-ferrous piping** to ensure clean process water and a corrosion-free environment.
- To monitor and regulate system temperature, the LPCA Series uses a **electronic temperature controller** that displays both set point and actual fluid temperature.
- Other standard **controls and indicators** include power, pump, compressor and no flow.
- An end-suction **stainless steel centrifugal pump** – trimmed with a discharge throttling valve to permit adjustment of flow rate – features a closed-couple TEFC motor and provides high fluid flow at high pressure.
- A liquid-filled **pressure gauge** offers reliable pump pressure readings without fluctuations.
- **Swivel casters** that enable you to easily move the unit.

OPTIONS

- Hot gas capacity control.
- Automatic water make-up.
- Coolant low-level alarm.
- High temperature alarm.