

CE SERIES

Cabinet Evaporator / Air or Water-Cooled Condensing Unit
Single Evaporator with Digital Controller

SYSTEM INFORMATION

Cabinet Evaporator (CE) coolers are intended for large displays or medium sized storage rooms. CE units provide cooling with stable humidity with low noise in a slimline design. These evaporators perform reliably and efficiently designed with staggered coils to promote air flow. Simple maintenance and easy installation make these an outstanding choice for long-term aging and storage rooms.

Available in capacities ranging from 2600-12,000 BTU/h using R134A, R404A.

OPTIONS

- Copper coils and stainless-steel cabinets available
- Pre-charged, custom or OEM units can be made to your order
- Chilled water or Glycol units available to order
- 230v available by order

FEATURES

- Ultra-efficient ECM motors meet or exceed CA Energy Commission standards
- Low RPM motors and quiet fan blades reduce noise
- Provides maximum room humidity by maintaining a constant coil temperature, reducing the need for expensive temperature and humidity controls in most applications
- Compact size maximizes available storage space
- All motors are thermally protected
- High performance staggered coils, with tubing mechanically expanded into aluminum collared fins
- Expansion valve and liquid line solenoid valve standard
- Each unit is pressure tested to eliminate leaks
- Rustproof all-aluminum cabinet
- Factory wired for easy field installation
- ETL Certified

Due to continuing engineering improvements, specifications are subject to change without notice.

*BTUH is an estimated range based on specific operational criteria.

*Individual component part numbers are different than a system assembly number.

*Max Cubic Footage is an estimation assuming No glass, R11 insulation or more, interior ambient temperature of 80° or less, exterior ambient temperature of 95° or less.

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CE FAN COIL SPECIFICATIONS

MODEL	CFM	AMPS 115 V	LENGTH	WIDTH	HEIGHT	LIQUID	SUCTION	DRAIN	APPROX SHIP WT.
CE1-28	300	0.3	21"	8 15/16"	11 1/2"	3/8"	1/2"	3/8" MPT	32 lbs
CE2-89	600	0.6	48"	14 9/16"	13 5/8"	3/8"	1/2"	3/8" MPT	51 lbs
CE3-129	900	0.9	66"	14 9/16"	13 5/8"	3/8"	1/2"	3/8" MPT	67 lbs

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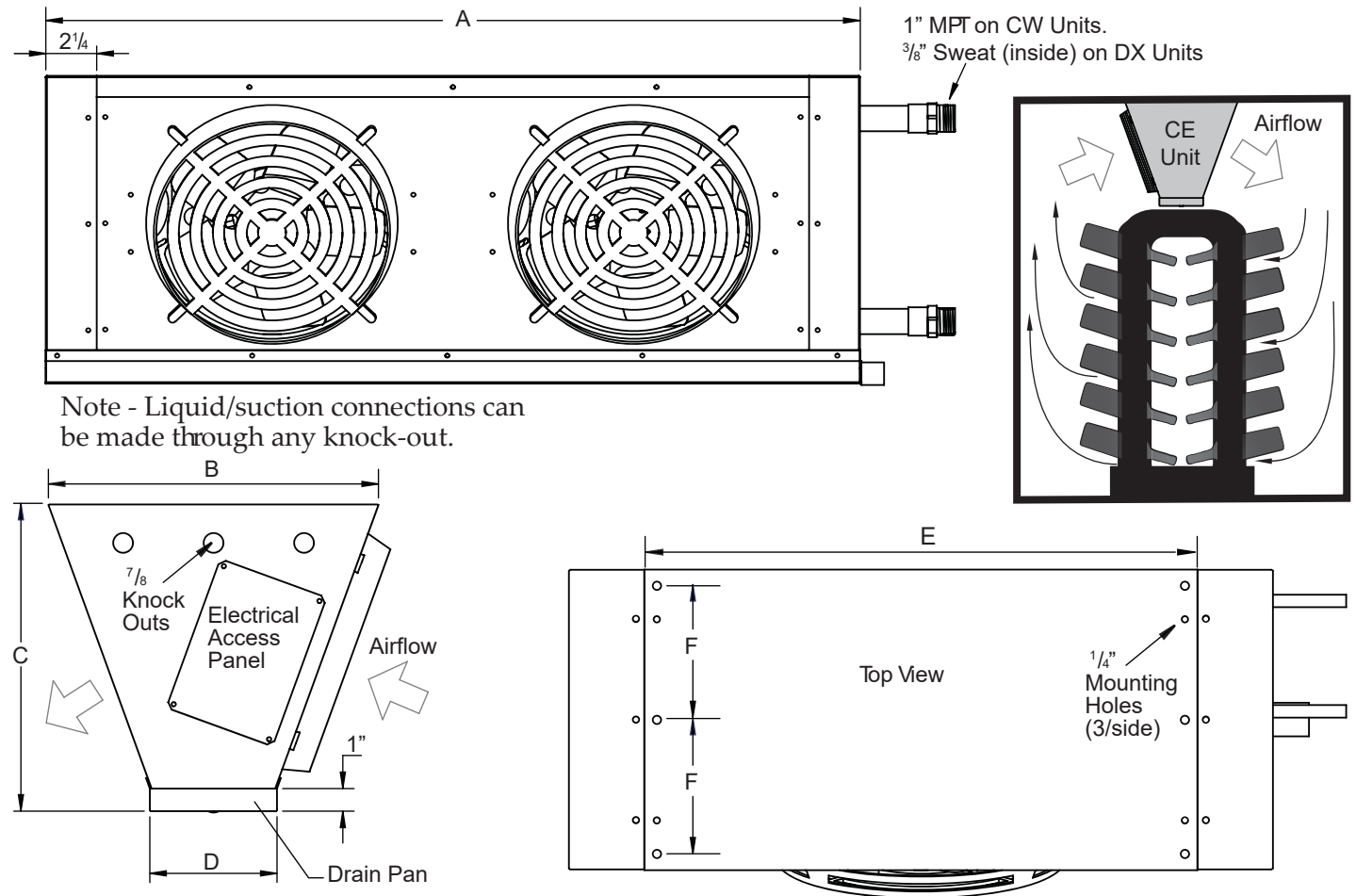
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MOUNTING DIAGRAMS

All dimensions are in inches

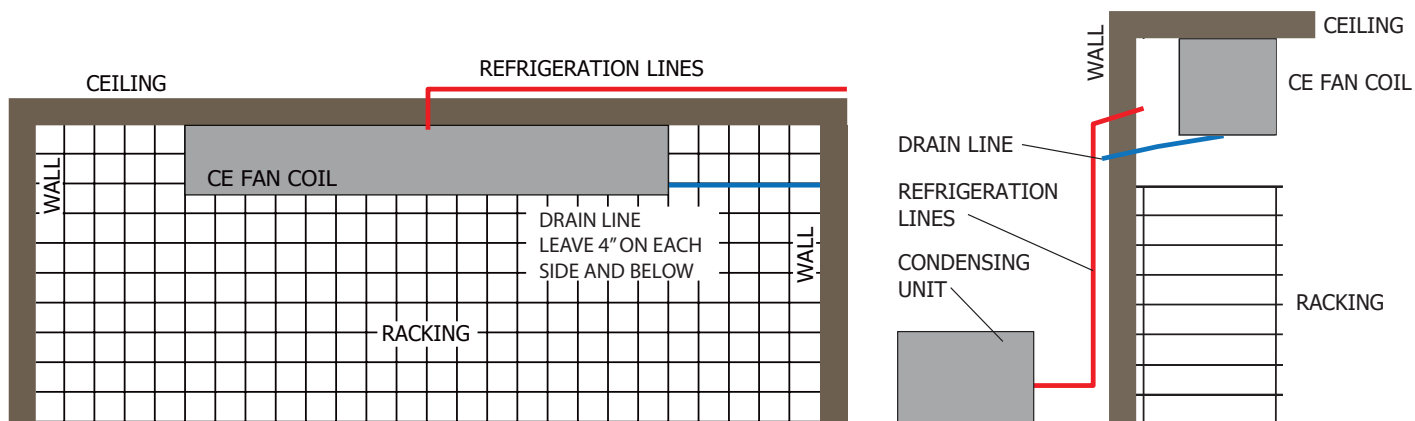


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CE COOLING SYSTEM TYPICAL INSTALLATION

- Always plan for future maintenance and service. Units should have easy access or access panels. Grills, boxes, or racking nearest the evaporators should be removable.
- Standard Line Sets should be 50' or less. Over 50' an oil separator and suction line accumulator is required. Extended runs may require larger line sizes and 3 oz of oil must be added for every 10' feet over 35'. Insulate suction line, liquid line insulation is optional.
- Excessive number of turns in line set will cause refrigerant flow problems. This could cause early compressor failure. Suction line accumulators are recommended on all applications. Required if working lower than the normal 55°-65°F operating range from wine cellar.
- Drain line must flow with gravity to drain or pump.
- The system is controlled by a pump down control system. There is no control wiring between thermostat and condensing unit.
- The line connections at Fan Coil and Condensing Unit may not be the same as the required line sizes dictated for the system capacity.
- The use of oversized condensing units can lead to poor wine room evaporator performance and possible system failure. When installing our wine room evaporator, it is recommended that condensing units be sized less than or equal to the evaporator capacity.
- USCS Cooling units are designed to minimize noise and vibration. To reduce and eliminate amplification of existing noise or vibration, extreme care must be taken during installation to identify contributing factors in the environment. Please refer to supplied installation instructions and use proper installation materials to minimize acoustic impact.
- Refer to complete installation instructions for additional information or contact our Tech Line at 562-728-5774



CEILING CONSTRUCTION



- EXTERIOR
- VAPOR BARRIER
R 11 MINIMUM
- INTERIOR

WALL CONSTRUCTION



- EXTERIOR
- VAPOR BARRIER
R 11 MINIMUM
- INTERIOR