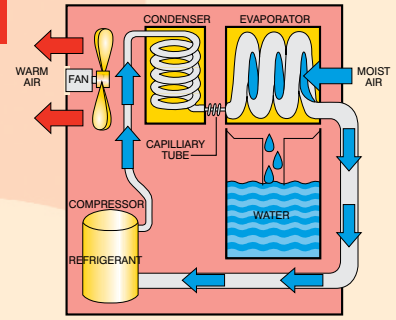


R407c R407c

HOW A DEHUMIDIFIER WORKS

1. Air is drawn into the unit by a fan
2. Air passes over a cold surface
3. As the air is cooled, it's moisture condenses
4. Water falls into the container
5. Air is re-heated by the heat recovery system
6. Air passes back into room 2°C warmer and considerably dryer
7. Defrost system automatically de-ices unit as necessary
8. Unit switches off automatically when container is full
9. When the unit achieves the selected level of dryness it switches off automatically



Applications	CD100	CD100E
Model No.	1133560	1027500
Warehouse	✓	✓
Basements	-	✓
Factories	✓	✓
Sports Halls	✓	-
Storage Areas	✓	✓
Laboratories	✓	✓
Oil Rigs	✓	✓

Applications	CD100	CD100E
Model No.	1133560	1027500
Agriculture	✓	-
Kitchens	✓	-
Pumping Stations	✓	✓
Hotel / Motel	✓	-
Stadiums	✓	✓
Ships / Barges	✓	-

PROVEN PERFORMANCE

Because of Ebac's unique "Reverse Cycle" defrosting feature, the CD100 range of units will function smoothly in temperatures down to 33°F without frost build-up. Designed to survive under adverse conditions and to deliver the goods, this unit will effectively remove more than ninety pints of airborne water vapor per day under standard conditions (80°F, 60%RH), and will exceed 20 gallons per day under extreme conditions found in problem environments.

THE PROBLEM

Excess humidity in your crawl space, warehouse, office, factory or shop results in corrosion, mold growth and rotting. Enormous costs are incurred every year through damage to inventory and through inflated building maintenance costs as a result of dampness. Even if your building seems dry during the day, at night when the temperature falls the humidity rises and the condensation process begins. The compact physical size and high performance, makes the CD100 family the ideal choice.

THE DEHUMIDIFIER

EBAC dehumidifiers are effective solutions to environmental control problems. The CD100 range of units are high capacity dehumidifiers, made to operate at high efficiencies by removing moisture from the air through the refrigeration process. The fan draws the moist air through the cold evaporator coil, which cools the air below its dew point. Moisture forms on the evaporator coil and is collected in the condensate tray before draining away through the condensate tube. The cooled air then passes through the hot condenser coil where it is reheated using the same energy removed during the cooling phase, plus the additional heat generated by the compressor. The air is, therefore, discharged from the dehumidifier at a slightly higher temperature with a lower absolute humidity than that which entered. Continuous circulation of air through the dehumidifier gradually reduces the relative humidity within the area. Because the CD100 range of units are equipped with an internal humidistat, they automatically switch on and off to save energy and expense by maintaining the desired level of humidity with intermittent operation.

The additional features of the CD100E make the unit the ideal choice for installations where remote monitoring is required. The alarm humidistat can be adjusted and preset during the installation process and will provide means of identifying a high humidity condition. This unit is also supplied complete with a wall mount bracket and installation kit.

