

BCubed® for BIGGBY® COFFEE BTECHNICAL BULLETIN Window Freezing **Update**

The BCubed® for Biggby® Coffee building operates with a Concord ENERGY STAR® certified mini-split system or equivalent and a programable Lennox Mini-Split Systems Wireless Indoor Unit Controller or equivalent in the kitchen cube. In the bathroom and tower cubes the building is equipped with Stiebel Eltron Electric Wall Heater or equivalent.

Note: Program options for mini-split system include **Auto → Cool → Dry → Heat → Fan**. In dry mode the system removes humidity according to preset conditions.

IT IS RECOMMENDED THAT YOU FAMILIARIZE YOURSELF WITH THE FUNCTIONS OF THIS EQUIPMENT BY READING THE MANUALS PROVIDED WHEN YOUR BUILDING WAS INSTALLED.

Extreme cold can create frozen windows in early models of the building. As humidity condensates on the windows freezing may occur. Regulating temperature and humidity with your mini-split system should prevent freezing issues.

Humidity can become an issue when using the heat setting. Dry mode should only be used for 1-2 hours at a time to regulate humidity. The mini-split system should not be the only source of dehumidification. A dehumidifier may be recommended in some cases. To learn more reference page 64 of the installation manual.

WHILE THE BUILDING IS NOT OCCUPIED IT IS RECOMMENDED THAT YOU KEEP THE BATHROOM DOOR CLOSED, TOWER HATCH OPEN, AND BATHROOM WALL HEATER ON.

Permanent solution:

Install an air curtain. Please contact BCubed Building Support for a quote.

Temporary solution:

If severe conditions present and window freezing occurs keep the air in the building circulating. This will prevent the windows from freezing. A simple, temporary solution is to install a small fan in the window corner. Point the fan toward the drive thru window and run it when the building is not occupied.

This has been tested on Cube #1 located in Alpena MI. The fan used is shown.



Energy Saving Tip

In the summer, set your thermostat to 78 degrees when the workplace is occupied, and 85 degrees or off after business hours. In the winter, set your thermostat to 68 degrees when the workplace is occupied, and 60-65 degrees or off after business hours. You can save up to 3% for each degree the thermostat is raised in the summer and lowered in the winter.

BCubed Building Support

510-880-3996

support@bcubedmanufacturing.com
support.bcubedmanufacturing.com