ArcticChill®

*application***BULLETIN**

CHILLERS with HIGH STATIC FANS

Background...

A high-rise building for million-dollar residences required small footprint and quiet chillers to be installed every 3rd floor. Each unit required 42°F LWT, centrifugal high-static condenser fans and remote louver controls.

Solution...

Several units with independent controls tied with BAS were installed. When required, controls opened and closed remote louvers to allow outside air across condensers, then rejected out another wall.

Results...

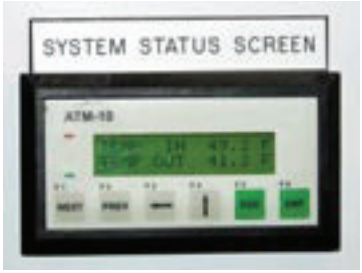
Since installing the equipment, all residences have been sold. Chillers are delivering required performance - very quietly.

KEY SOLUTION FEATURES

- Small footprint design was transported through doorways.
- System temperature of 42° was matched to new coils.
- Assembly of blower housing to chiller took place on site.
- Semi-hermetic compressors chosen for lower noise and reliability.
- Automatically opens remote louvers to draw air across condensers.
- Condenser air is rejected out another wall to eliminate recirculation.
- Systems are installed every few floors to reduce total cost.

High Static Pressure and Quiet Design

Converting a high-rise in a downtown area to million-dollar residences has several challenges, including space to install equipment every few floors, and a quiet, reliable design for the high-end occupents. By ducting in outside air from one wall and rejecting out another, we solved a major dilemma for the owners.



ArcticChill • 71 Industrial Park Road, Newberry, SC 29108 • (803) 321-1891 • Fax: (803) 321-1898 • www.arcticchillergroup.com