



CarrierNOW

Your Source for Light Commercial Solutions



Commercial Inve\$t v3.00 (Expert User Example)

Project: Job: Report: Help

Job Information: Job Title: Replacement Study; Job Type: Replacement; Notes: 10 year AHU's, 10 to 12 EER when new.

Location Information: Region: U.S.A.; Location: Texas; City: Dallas.

Building Information: Building Type: Retail; Unit Floor Cyl Load: 7.2 Tons.

Energy Prices: Fuel Data: Texas - Elm 2009; Electric Price (avg): \$ 0.08500 kWh; Gas Price (avg): \$ 1.10000 (BSCF).

Equipment Information: **Baseline** | **Proposed**

UHV Description	Old Carrier AHU/Existing Unit	New AHUC RTU/Unit
Equipment Type	Cooling with Gas Heat	Cooling with Gas Heat
Model	AHU-1982-1988	AHU
Size	2008 (Medium Heat)	2008 (Low Heat)
Refrigerant	R-22	R-410a
Age (Yrs)	10 Years	7.0 Years
Nominal Cooling Capacity	7.0 Tons	7.0 Tons
with Cooling Rating	10.00 EER	12.00 EER
Capacity Control	2 Stage	2 Stage
Heating Capacity	148.0 MBtu/h	144.0 MBtu/h
with Heating Rating	100 %	100 %
Heating Efficiency	82 %	82 %
Indoor Fan Power	Standard Fan - 1.40 BHP	Std. Static SP - 1.40 BHP
Indoor Fan Control	1-Speed	1-Speed

Economizer: Energy Recovery: ; DCV (DCV) Control:

Purchase Cost (\$): 0; Installation Cost (\$): 0; Amt. Maint. + Repair (\$/yr): 1000; Downtime Loss (\$/yr): 500.

Buttons: Calculate, Exit, Help

Determine Energy Savings, Operating Costs, Payback and Environmental Impact with Carrier Commercial Inve\$t v3.0 Software Tool

Powered by the industry leading design tool, Carrier[®] Hourly Analysis Program (HAP), Carrier[®] Commercial Inve\$t has been upgraded to make it faster, easier and more accurate to determine energy savings, operating costs, payback and environmental impact of light commercial building projects.

The redesigned software includes:

- A single input screen with many new drop down menus
- Integrated help function to advise what is behind the calculations
- Extensive documentation and 8760 hour-by-hour calculations for increased accuracy

More equipment and default data has also been incorporated:

- Staged Air Volume (SAVTM), Multi-stage compression
- ERVs, Demand Control Ventilation (DCV), and Economizers
- Carrier rooftop units manufactured back to 1979
- ASHRAE-based defaults for building types and schedules

Contact your local Carrier Distributor for further information.