



ERVMAX RETROFIT CASE STUDY

Cal-Air Corporate Office Whittier, CA

- Completed in September, 2002
- One 12-ton ERVMAX unit
- Peak kW reduction of up to 18%
- Average EER increase over OEM rating of 40%

One 10-ton Trane heat pump serving the engineering, accounting, service, and dispatch areas was retrofitted with a 12-ton ERVMAX unit. Pre/post testing was performed between May and October by Cal-Air representatives. The data collected by Cal-Air illustrates that the heat pump's average efficiency increased from 7.5 to 12 EER, or 60%. Efficiency improvements were realized through higher system capacity (lowering run times and driving more desirable part load operation) and lower input power requirements. The system demonstrated higher efficiency operation at higher outdoor ambients.

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