

EER Max[™] RETROFIT CASE STUDY

Warehouse Florida

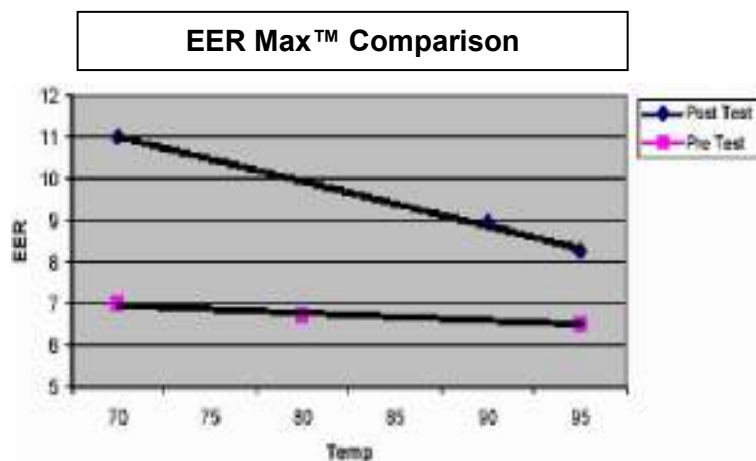
- One 30-ton EER Max[™] unit
- Retrofit to existing equipment
- Capacity increase of 17%
- Efficiency increase of 26%



One 30-ton Trane, TWA series, split system was retrofitted with a 30-ton EER Max[™] unit. This unit served warehouse space that is not occupied but must maintain a temp of 75°F at all times using 100% outdoor air for the return. Performance of the retrofitted system was compared to the operation of this unit without modifications. A capacity increase of 17% was realized using 100% indoor air (building exhaust air to the EER Max[™] unit). The system EER increased from 6.54 to 8.28 @ 95°F ambient.

Note: This evaporator coil is badly damaged due to poor maintenance and the salty outdoor air, and this condition limited the benefits provided by the EER Max[™] technology. The increase in capacity should be over 25% greater than originally rated, if the condition of equipment were normal, and would be over 75% greater than is currently operating.

**EER Max[™] Pat. Nos.: 6,070,423;
6,857,285; 7,150,160**



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