



THE INDUSTRY'S FIRST TRUE LOW-COST HIGH-PERFORMANCE SOLUTION

# What is CLIMASTAT?

ClimaStat raises the energy performance of conventional commercial airconditioner units – at the lowest possible cost. Advantek Consulting Engineering, Inc. developed ClimaStat technology, which raises the efficiency rating of an air-conditioner by 15% to 30% while dramatically increasing dehumidification capacity. ClimaStat is a proven system based on reliable, familiar, and easily maintainable components.



# Why CLIMASTAT?

### High Energy Efficiency

Raises IEER rating by 1.6 to 4 points - 15% to 30% improvement.

### Superior Reliability

- No failure-prone components.
- Fail-safe protection against coil freezing and compressor slugging.
- Cooler Compressor Operation.

### Lower Electric Bills

Operating costs 15% to 30% lower than conventional systems, and 40% to 60% lower than reheat systems!

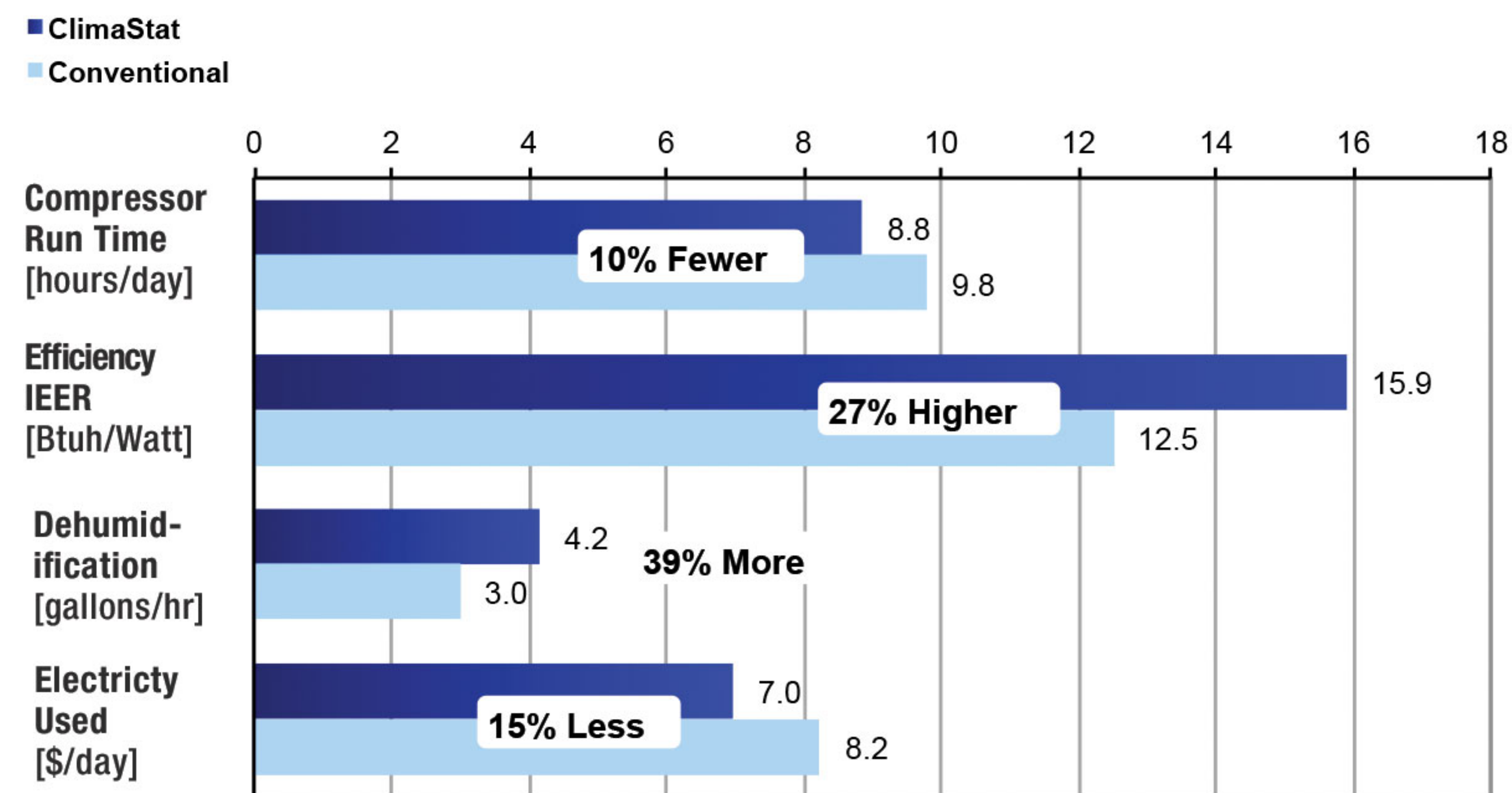
### Set-and-forget!

Variable SHR technology self-adapts to ALL climate conditions.

# THE COMPETITION

The key advantage is ClimaStat can cost-effectively reduce energy costs vs. competing technologies that reduce energy use but cost too much to be economically justifiable for the commercial unitary market. ClimaStat's entrance into the unitary air-conditioning market is well timed. Both the SHR and IEER (SHR- Sensible Heat Ratio/IEER- Integrated Energy Efficiency Ratio) ratings for ClimaStat equipped air-conditioner units are much improved compared to other current technologies. ClimaStat is a proven system based on reliable, familiar, and easily maintainable components. ClimaStat adds a higher degree of long-term performance to conventional equipment.

# Performance Comparison: Climastat vs Conventional AC



Field test data from 8.5-ton dual compressor package unit. Run hours to satisfy thermostat at 50 ton-hr sensible cooling load.