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- **A/C System Performance** (4 Part Series)
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 - ⇒ **Combustion 101**
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**Make Better
Air,
Cheaper!**

**What
Contractors and
Raters Need to
Know About
Better A/C
Performance**



Your Guide to Delivering A/C Performance

Where Are You Today?

Are you
struggling
with
customer
complaints



about high energy bills, comfort
issues, making profitless call
backs, or getting slammed during
heat waves?

Systems are NOT Plug and Play!

A/C Performance CAN NOT be
assumed. Factors affecting perfor-
mance include:

- Load Conditions
- Proper Installation
- Service and Maintenance

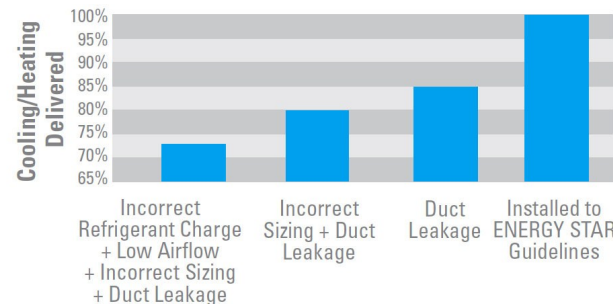
How Do You Currently Measure Performance?

- ⇒ Temperature Drop?
- ⇒ Electrical Measurements?
- ⇒ Gauge Pressures?
- ⇒ Superheat and Subcooling?



None of these methods will
tell you anything about A/C
system performance. Studies
show you are short changing
your customer and creating problems for
your company by ignoring critical de-
tails.

Quality Installations Make A Difference!



Source: EnergyStar.gov

What's the Answer?

- Start by Testing In
 - ◇ Air flow
 - ◇ Static pressure
 - ◇ Duct size & integrity
 - ◇ Return & supply wet bulb
- Calculate Delivered Capacity as Compared to Rated Capacity
- Evaluate Data
- Take Needed Corrective Action
 - ◇ Clean Filters & Blowers
 - ◇ Seal Duct Work
 - ◇ Adjust Air Flow
 - ◇ Adjust Refrigerant Charge
- Test Out
 - ◇ Repeat "Test In" and compare results