

## The Value of a Good Installation – Questions & Answers

1. A poor installation could result in a waste of energy of 50% of every dollar spent.

**True** False

2. A 15% return air leak from a 120°F attic could cut the A/C SEER rating in half.

**True** False

3. Oversizing the HVAC equipment is always a good thing.

True **False**

Answer: False, this can lead to a loss of comfort, noise and increased energy bills

4. When calculating cooling gain or heating loss of a house, it is a good idea to add +1 to the number of bedrooms.

**True** False

5. It is a good idea to put a take-off right off the very end of a duct.

True **False**

Answer: False, you want to be at least 24" from the end.

6. Incorrect refrigerant charge can reduce moisture removal.

**True** False

7. Incorrect air flow does not affect energy bills.

True **False**

Answer: False, it could easily add 10% to an energy bill.

8. Sealing ducts at the connections can save energy for the homeowner and bring in revenue for the contractor.

**True** False

9. Using ACCA Manual J load calculations could help reduce equipment sizing.

**True** False

10. Software calculates heating and cooling loads perfectly every time.

True **False**

Answer: False, bad assumptions and user error still play a role.