

Cooling Performance Checkout Procedures for Air Conditioners

Section 1 - Customer

Unit Serial Number _____ Customer Name _____
Make and Model _____ DOM _____ DOP _____
Unit Length _____ # of Slides _____ Unit Location (City,St) _____
A/C BTU _____ # of AC's on Unit _____ BTU of Second AC _____
Unit Service (30 or 50 amp) _____ Service to Unit (15, 30 or 50 or Gen) _____
Distance to Pole _____ Extension Cords Used (Wire Size and Length) _____
Outdoor Temp _____ Outdoor Humidity _____
Indoor Temp _____ Indoor Humidity _____

Section 2 - Customer

1. What is the Temp Split after running 30 min? (At Return Vs. First Duct) _____
 - a. Return Temp _____ First Duct Temp _____
2. Direction of AC Vents (Direct away from the return grill and T'Stat)
3. Are any circuit breakers tripping? (Pole or Unit) _____
4. What time was AC started and what were temps inside and outside? _____
5. What fan speed do you normally use? _____
6. What environment is the unit in? (Full Sun/Partial/Full Shade) _____
7. How many people are in the unit? (Adults/Children/Pets) _____
8. Other Heat Loads
 - a. TV's
 - b. Cooking
 - c. Showering
 - d. Lights (Especially Halogen)
 - e. Opening the Entry Door(s)
 - f. Open Window Shades
 - g. Windows Over Slide Room

Section 3 – Service

1. Check divider plate between return and supply. Make sure it is completely sealed with insulating tape and not blocking ducts.
2. Check duct at supply and vents to verify completely sealed and no air loss into ceiling.
3. Check ceiling with an infrared thermometer for cool spots indicating duct leaks.
4. Check ducting with a flashlight and mirror to verify no blockage and ends are sealed off.

Section 4 – Service

1. Source Voltage _____
2. Voltage at AC _____
3. Amp Draw of Compressor _____