

Residential Package Unit Cooling Only Start-Up Sheet

Proper start-up is critical to customer comfort and equipment longevity

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|---------------|--|--------------|--|---------------------|--|
| Start-Up Date | <input style="width: 95%;" type="text"/> | Company Name | <input style="width: 95%;" type="text"/> | Start-Up Technician | <input style="width: 95%;" type="text"/> |
|---------------|--|--------------|--|---------------------|--|

Owner Information

| | | | | | |
|------|--|-------------------|--|--------------------|--|
| Name | <input style="width: 95%;" type="text"/> | Address | <input style="width: 95%;" type="text"/> | Daytime Phone | <input style="width: 95%;" type="text"/> |
| City | <input style="width: 95%;" type="text"/> | State or Province | <input style="width: 95%;" type="text"/> | Zip or Postal Code | <input style="width: 95%;" type="text"/> |

Equipment Data

| | | | |
|--------------|--|---------------|--|
| Unit Model # | <input style="width: 95%;" type="text"/> | Unit Serial # | <input style="width: 95%;" type="text"/> |
|--------------|--|---------------|--|

General Information (Check all that apply)

| | | | |
|-----------------------------------|--|-----------------------------------|---------------------------------|
| <input type="radio"/> Residential | <input type="radio"/> New Construction | <input type="radio"/> Roof level | <input type="radio"/> Down flow |
| <input type="radio"/> Commercial | <input type="radio"/> Retrofit | <input type="radio"/> Grade level | <input type="radio"/> Side flow |

Unit Location and Connections (Check all that apply)

| | | | | | |
|--|-------------------------------|------------------------------------|---|---------------------------------|---------------------------------|
| <input type="checkbox"/> Unit is level and installed on: | <input type="checkbox"/> Slab | <input type="checkbox"/> Roof curb | <input type="checkbox"/> Duct connections are complete: | <input type="checkbox"/> Supply | <input type="checkbox"/> Return |
| <input type="checkbox"/> Condensate drain properly connected per the installation instructions | | | <input type="checkbox"/> Condensate trap has been primed with water | | |

Filters

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|--|-------------------|--|-------------|--|---|--|
| <input type="checkbox"/> Filters installed | Number of filters | <input style="width: 95%;" type="text"/> | Filter size | <input style="width: 95%;" type="text"/> | <input type="radio"/> Filter located inside | <input type="radio"/> Filter located outside |
|--|-------------------|--|-------------|--|---|--|

Additional Kits & Accessories Installed (Check all that apply)

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|--|--|---|--|---|
| <input type="checkbox"/> Refrigerant safety kit | <input type="checkbox"/> Low ambient kit | <input type="checkbox"/> Anti-recycle timer | <input type="checkbox"/> Crank case heater | <input type="checkbox"/> Filter frame kit |
| <input type="checkbox"/> Transformer kit | <input type="checkbox"/> Economizer | <input type="checkbox"/> Roof curb kit | <input type="checkbox"/> Burglar bar kit | <input type="checkbox"/> Hail guard kit |
| <input type="checkbox"/> Manual fresh air damper kit | | <input type="checkbox"/> Motorized fresh air damper kit | | |

Electrical Connections & Inspection (Check all that apply)

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|---|-----------------------------------|--|---|---|------------------------------------|
| <input type="radio"/> Single phase | <input type="radio"/> Three phase | <input type="radio"/> 208 volts AC | <input type="radio"/> 230 volt AC | <input type="radio"/> 460 volts AC | <input type="radio"/> 575 volts AC |
| <input type="checkbox"/> Inspect wires and electrical connections | | <input type="checkbox"/> Transformer wired properly for primary supply voltage | | <input type="checkbox"/> Ground connected | |
| <input type="checkbox"/> Low voltage present at control board "R & C" | | | Measured voltage "R" and "C" outdoor unit control board | | |
| <input type="checkbox"/> Line voltage present at disconnect | | | Measured voltage "L1 to L2" | "L2 to L3" | "L1 to L3" |
| Compressor amperes "L1" | | <input style="width: 95%;" type="text"/> | "L2" | <input style="width: 95%;" type="text"/> | "L3" |
| Compressor amperes "L2" | | <input style="width: 95%;" type="text"/> | "L3" | <input style="width: 95%;" type="text"/> | Total amperes "L1" |
| Compressor amperes "L3" | | <input style="width: 95%;" type="text"/> | Total amperes "L2" | <input style="width: 95%;" type="text"/> | "L3" |
| <input type="radio"/> Single stage compressor | | <input type="radio"/> Two stage compressor | | | |

Air Flow Setup & Temperatures

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|---------------------------------|----------------------------|---------------------------|----------------------------------|------------------------------|-----------------------------------|----------------------------|
| Blower Type & Set-Up | <input type="radio"/> ECM | COOL | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |
| | | ADJUST | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |
| | | DELAY | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |
| | <input type="radio"/> X-13 | <input type="radio"/> 1 | <input type="radio"/> 2 | <input type="radio"/> 3 | <input type="radio"/> 4 | <input type="radio"/> 5 |
| | <input type="radio"/> PSC | <input type="radio"/> Low | <input type="radio"/> Medium Low | <input type="radio"/> Medium | <input type="radio"/> Medium High | <input type="radio"/> High |

| | | | | | |
|--|--|---------------------------------|--|----------------------------------|--|
| Supply static (inches of water column) | <input style="width: 95%;" type="text"/> | Supply air dry bulb temperature | <input style="width: 95%;" type="text"/> | Outside air dry bulb temperature | <input style="width: 95%;" type="text"/> |
| Return static (inches of water column) | <input style="width: 95%;" type="text"/> | Return air dry bulb temperature | <input style="width: 95%;" type="text"/> | Return air wet bulb temperature | <input style="width: 95%;" type="text"/> |
| Total external static pressure | <input style="width: 95%;" type="text"/> | Temperature drop | <input style="width: 95%;" type="text"/> | Supply air wet bulb temperature | <input style="width: 95%;" type="text"/> |

Refrigerant Charge and Metering Device

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|---|----------------------------|----------------------|--------------------------|----------------------|-------------------------|----------------------|
| <input type="radio"/> R-410A <input type="radio"/> R-22 | Data plate - lbs / Oz | <input type="text"/> | Suction line temperature | <input type="text"/> | Discharge pressure | <input type="text"/> |
| <input type="radio"/> TXV <input type="radio"/> Fixed Orifice | Discharge line temperature | <input type="text"/> | Suction pressure | <input type="text"/> | Liquid line temperature | <input type="text"/> |
| TXV# / Orifice size | | | <input type="text"/> | Superheat | <input type="text"/> | Subcooling |

Clean Up Job Site

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| <input type="checkbox"/> Job site has been cleaned, indoor and outdoor debris removed from job site <input type="checkbox"/> Tools have been removed from unit <input type="checkbox"/> All panels have been installed |
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Unit Operation and Cycle Test

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| <input type="checkbox"/> Operate the unit through continuous fan cycles from the thermostat, noting and correcting any problems <input type="checkbox"/> Operate the unit through cooling cycles from the thermostat, noting and correcting any problems |
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Owner Education

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| <input type="checkbox"/> Provide owner with the owner's manual <input type="checkbox"/> Explain operation of system to equipment owner <input type="checkbox"/> Explain thermostat use and programming (if applicable) to owner <input type="checkbox"/> Explain the importance of regular filter replacement and equipment maintenance |
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Comments and Additional Job Details