Home Energy Savings Program

HVAC Tune-Up Verification Worksheet

Attach a copy of this Worksheet with the Rebate Application.

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Customer Name: _____ **Contractor Name:** _____

Unit Serial Number: _____

REFRIGERANT TEST (Before Tune-Up)
System must run a minimum of 15 minutes before measurements are taken

Outdoor Air Temperature (at Condenser) _____°F DB

Supply Air Temperature (in ductwork near coil) _____°F DB _____°F WB

Return Air Temperature (in ductwork near coil) _____°F DB _____°F WB

Liquid Line Pressure _____PSI Liquid Line Temperature _____°F DB

Suction Line Pressure _____PSI Suction Line Temperature _____°F DB

Subcooling (Condenser Temp - Liq. Line Temp) _____°F DB OEM Subcooling Goal _____°F
(For TXV, subcooling must be within +/- 3 °F of OEM goal)

Superheat (Suct. Line Temp - Evap. Temp) _____°F DB OEM Superheating Goal _____°F
(For Fixed Orifice, superheat must be within +/- 5 °F of OEM goal)

System Capacity

Coil Capacity CFM X 1.08 X (Supply Air Dry Bulb - Return Air Dry Bulb) = Coil Capacity Btuh

_____ X 1.08 X (_____ - _____) = _____ Btuh

System Efficiency

Coil Capacity Btuh ÷ Equipment Nominal Capacity Btuh = System Efficiency Index %

_____ ÷ _____ = _____ %

Required Services to be performed AFTER initial test above

- ☐ Clean Condenser coil
- ☐ Change or clean Air Filter (can be customer supplied)
- ☐ Check and adjust air flow as required
- ☐ Check for signs of oil and refrigerant leaks at all exposed fittings
- ☐ Check condition of all electrical connections and tighten as required
- ☐ Check for proper operation of Thermostat
- ☐ Adjust Refrigerant charge if needed

REFRIGERANT TEST (After Tune-Up)
System must run a minimum of 15 minutes before measurements are taken

Outdoor Air Temperature (at Condenser) _____°F DB

Supply Air Temperature (in ductwork near coil) _____°F DB _____°F WB

Return Air Temperature (in ductwork near coil) _____°F DB _____°F WB

Liquid Line Pressure _____PSI Liquid Line Temperature _____°F DB

Suction Line Pressure _____PSI Suction Line Temperature _____°F DB

Subcooling (Condenser Temp - Liq. Line Temp) _____°F DB OEM Subcooling Goal _____°F
(For TXV, subcooling must be within +/- 3 °F of OEM goal)

Superheat (Suct. Line Temp - Evap. Temp) _____°F DB OEM Superheating Goal _____°F
(For Fixed Orifice, superheat must be within +/- 5 °F of OEM goal)

System Capacity

Coil Capacity CFM X 1.08 X (Supply Air Dry Bulb - Return Air Dry Bulb) = Coil Capacity Btuh

_____ X 1.08 X (_____ - _____) = _____ Btuh

System Efficiency

Coil Capacity Btuh ÷ Equipment Nominal Capacity Btuh = System Efficiency Index %

_____ ÷ _____ = _____ %*

**Final Efficiency Index must be > 85% or (Final Efficiency Index - Initial Efficiency Index) must be > 10 points*

Required Services to be performed AFTER initial test above

- ☐ Final Results discussed with Customer
- ☐ Additional Energy Savings discussed with Customer (if applicable)
- ☐ Explain QA process with Customer

_____ _____

Customer Signature Technician Signature

Home Energy Savings Program

HVAC Installation Verification Worksheet

Attach a copy of this Worksheet with the Rebate Application.

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Customer Name: _____ **Contractor Name:**_____

Unit Serial Number: _____

REFRIGERANT TEST (After Replacement)
System must run a minimum of 15 minutes before measurements are taken

Outdoor Air Temperature (at Condenser) _____°F DB

Supply Air Temperature (in ductwork near coil) _____°F DB _____°F WB

Return Air Temperature (in ductwork near coil) _____°F DB _____°F WB

Liquid Line Pressure _____PSI Liquid Line Temperature _____°F DB

Suction Line Pressure _____PSI Suction Line Temperature _____°F DB

Subcooling (Condenser Temp - Liq. Line Temp) _____°F DB OEM Subcooling Goal _____°F
(For TXV, subcooling must be within +/- 3 °F of OEM goal)

Superheat (Suct. Line Temp - Evap. Temp) _____°F DB OEM Superheating Goal _____°F
(For Fixed Orifice, superheat must be within +/- 5 °F of OEM goal)

System Capacity

Coil Capacity CFM X 1.08 X (Supply Air Dry Bulb - Return Air Dry Bulb) = Coil Capacity Btuh

_____ X 1.08 X (_____ - _____) = _____ Btuh

System Efficiency

Coil Capacity Btuh ÷ Equipment Nominal Capacity Btuh = System Efficiency Index %

_____ ÷ _____ = _____ %*

**Final Efficiency Index must be > 85%*

- ☐ Final Results discussed with Customer
- ☐ Additional Energy Savings discussed with Customer (if applicable)
- ☐ Explain QA process with Customer

_____ _____

Customer Signature Technician Signature