

Refrigerant Charge Verification - Standard Measurement Procedure

Site Address:	Enforcement Agency:	Permit Number:
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Standard Charge Measurement Procedure (for use if outdoor air dry-bulb is above 55 °F)

Procedures for determining Refrigerant Charge using the Standard Charge Measurement Procedure are available in Reference Residential Appendix RA3.2. As many as 4 systems in the dwelling can be documented for compliance using this form. Attach an additional form(s) for any additional systems in the dwelling as applicable.

- *The system should be installed and charged in accordance with the manufacturer’s specifications before starting this procedure.*
- *The system must meet minimum airflow requirements as prerequisite for a valid refrigerant charge test.*
- *If outdoor air dry-bulb is 55 °F or below, the installer must use the RA3.2.3 Alternate Charge Measurement Procedure (Weigh-In Charging Method). If the Weigh-In Method is used, the dwelling cannot be included in a sample group for HERS verification compliance.*

Space Conditioning Systems

System Name or Identification/Tag				
System Location or Area Served				
Outdoor Unit Serial #				
Outdoor Unit Make				
Outdoor Unit Model				
Nominal Cooling Capacity (ton)				
Date of Verification				

Calibration of Diagnostic Instruments

Date of Refrigerant Gauge Calibration	(must be re-calibrated monthly)
Date of Thermocouple Calibration	(must be re-calibrated monthly)

Measured Temperatures (°F)

System Name or Identification/Tag				
Supply (evaporator leaving) air dry-bulb temperature ($T_{supply, db}$)				
Return (evaporator entering) air dry-bulb temperature ($T_{return, db}$)				
Return (evaporator entering) air wet-bulb temperature ($T_{return, wb}$)				
Evaporator saturation temperature ($T_{evaporator, sat}$)				
Condensor saturation temperature ($T_{condensor, sat}$)				
Suction line temperature ($T_{suction}$)				
Liquid Line Temperature (T_{liquid})				
Condenser (entering) air dry-bulb temperature ($T_{condenser, db}$)				