



Technical Service Bulletin

TBJ014

Date: February 22, 2011

Product: Split units, TTS and TTP model units

Effected Range: This Technical Bulletin only affects ClimateMaster split units that are being used with ClimateMaster air handlers (TAH model units) or ClimateMaster air coils (TAC model coils) and are built prior to serial number N144*.

Issue: Originally the name plate refrigerant charge for ClimateMaster split units was based on their use with Carrier air coils. ClimateMaster now offers its own branded air handlers and air coils. These ClimateMaster branded air coils have a larger refrigerant volume, therefore the nameplate charge may be incorrect depending on line set length.

ClimateMaster's literature instructs to charge the units based on the subcooling and superheat readings based on the charts in the Installation Operation & Maintenance Instructions (IOM). If the unit was charged based on this method, it is charged correctly and no further action is necessary. However if the unit was installed and charge was not adjusted based on superheat and subcooling readings as outlined in the IOM, the unit may be undercharged. If the unit is undercharged, the unit will likely experience poor capacity and/or be faulting out on safety devices; primarily FP1 & FP2 (codes 4 & 5).

Solution: If units were installed and not charged by superheat and subcooling readings, and are experiencing low capacity or faulting conditions, it is recommended that the units be inspected and refrigerant charge corrected if necessary. Below is a chart with the corresponding "old charge" and "new charge" for each model. Remember, this charge is not correct for all installations and the proper method for verifying and charging a ClimateMaster split unit is with superheat and subcooling readings as outlined in the IOM. If you need any assistance, please don't hesitate to contact ClimateMaster's Technical Support Department at 1-800-299-9747.

Model Number	Old Charge		New Charge	
	lb	oz	lb	oz
TTS026	5.63	90	5.75	92
TTS038	6.5	104	7.5	120
TTS049	7.88	126	8.88	142
TTS064	10.5	168	12.75	204
TTP026	5.63	90	5.75	92
TTP038	6.5	104	7.5	120
TTP049	7.88	126	8.88	142
TTP064	10.5	168	12.75	204

Thank you,
ClimateMaster