DIAGNOSTIC DATA COLLECTION FORM

DATE

PROJECT

LOCATION

This form was designed to help you collect data when performing diagnostics. It is a useful tool to help you look at all pertinent information about an HVAC system. It can also be of great assistance to a technical advisor helping you diagnose system problems and recommend the right solution and or correct parts for the equipment.

It isn't necessary to collect every bit of information on the form. The data you collect will greatly depend on the nature of the problem. Remember, you only have to gather the data that pertains to the issue you're trying to resolve.

NAMEPLATE DATA

Condensing Unit Model # _____ Serial #_____ Size ___Tons

Indoor Air Handler or Furnace

Model # _____ Serial #_____

Size _____ Output BTUH _____ Rated CFM Motor Size ____ HP

Thermostat Make _____ Model _____

System and Ambient Measurements

Discharge Air Temp. _____ F Inlet Air Temperature _____F Coil ΔT ____ F

Indoor Temperature _____ F Indoor Wet Bulb _____ F

Outdoor Temperature _____F Outdoor Wet Bulb _____F

SP before filter ___ in. wc SP after Filter___ in. wc SP drop across filter __ in. wc

SP before coil ___ in. wc SP after coil ___ in. wc SP drop across coil __ in. wc

---

TESP _____ in. wc (Total External Static Pressure)

Refrigeration Side Measurements

Suction Line Pressure _____ psig Head Pressure _____ psig

Liquid Line Temp. at CU _____ F Suction Line Temp. at CU _____F

Liquid Line Temp. at coil _____ F Suction Line Temp. at coil _____F

Superheat _____F Subcool _____F

CO/Combustion Measurements

Draft ___ in. wc Oxygen ___ % Combustion Temp. ___ F Plenum Temp ___ F

Light off CO _____ ppm Run CO _____ ppm Shutdown CO _____ ppm