

# Sanden International

## AC System Troubleshooting Sheet

### Troubleshooting Sheet

| Measured Item                             | Value |
|---|-------|
| Compressor Outlet Pressure ( $P_d$ )      | PSI   |
| Compressor Outlet Temperature ( $T_d$ )   | °F    |
| Condenser Outlet Temperature ( $T_{cd}$ ) | °F    |
| Compressor Inlet Pressure ( $P_s$ )       | PSI   |
| Compressor Inlet Temperature ( $T_s$ )    | °F    |
|   |       |
| Calculated Item                           | Value |
| Condenser Subcooling ( $T_{sc}$ )         | °F    |
| Evaporator Superheat ( $T_{sh}$ )         | °F    |
| Compressor Superheat ( $T_{csh}$ )        | °F    |

### Troubleshooting Reference Calculations

| Calculated Item                    | Formula                               |
|------------------------------------|---------------------------------------|
| Condenser Subcooling ( $T_{sc}$ )  | $T_{sc} = T_{Sat.Discharge} - T_{CD}$ |
| Evaporator Superheat ( $T_{sh}$ )  | $T_{sc} = T_{Sat.Discharge} - T_{CD}$ |
| Compressor Superheat ( $T_{csh}$ ) | $T_{sc} = T_d - T_{Sat.Discharge}$    |