

AIR CONDITIONING PERFORMANCE TEST



Air Temperature Test

① (Return Air Temp) minus ② (Supply Air Temp) = Temperature Drop
Normal Temperature Drop = 15 to 18 Degrees F.

Temperature Drop > 18 to 20 Deg. indicates low airflow across the indoor coil.

- Clogged air filter, clogged indoor coil, loose blower belt, blocked or restricted ductwork, low blower speed, etc.

Temperature Drop < 13 to 15 Deg. indicates insufficient cooling.

- Low refrigerant charge, faulty metering device, bad compressor valves.
- Low airflow across outdoor coil (clogged outdoor coil, bad fan motor, etc.)

Temperature Drop 0 to 5 Deg. may indicate a non-functioning system.

- No power to outdoor unit, bad compressor, bad outdoor fan motor, bad capacitor, safety lockout, etc.