# **10. Performance Test**

## A: INSPECTION

### 1. VEHICLE SET UP

In order to obtain meaningful test results, the vehicle must be set up to meet the following conditions.

- Vehicle in shade
- No wind
- All vehicle doors closed
- Front windows opened
- Hood opened
- Engine speed set at 1,500 rpm.
- A/C ON
- Temperature control lever Maximum cold
- Air source Recirculation
- Blower speed 4th position (High)
- Operate A/C for 10 minutes (Minimum) before taking measurement.

#### 2. MEASUREMENTS

After 10 minutes (Minimum) of A/C operation and using accurate test equipment, take the following measurements (in order).

1) Evaporator intake air temperature at recirculation door.

2) Evaporator discharge air temperature at center grill.

3) Condenser (Ambient) intake air temperature measured 0.9 m (3 ft) in front and in line with the center of the condenser.

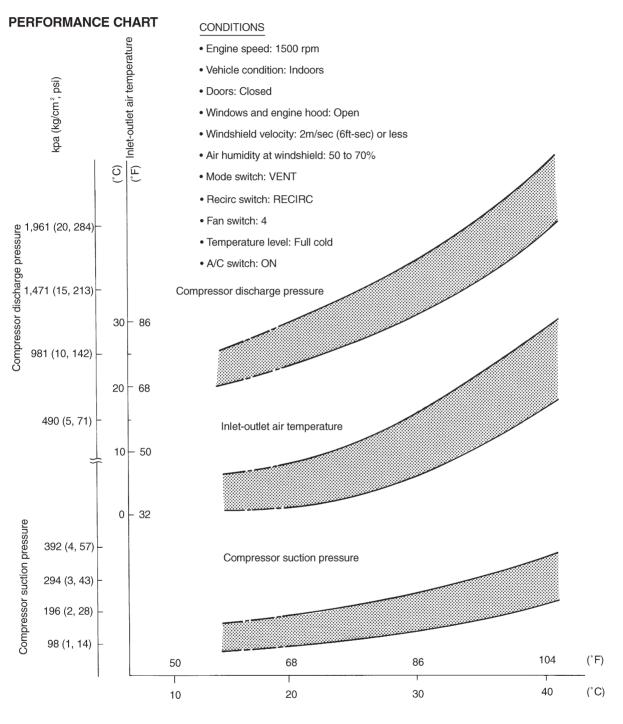
- 4) Suction (Low) side pressure
- 5) Discharge (High) side pressure

#### NOTE:

If only one thermometer is available; 1)take the ambient measurement first; then 2)the intake air; and 3)discharge air temperature.

#### 3. MEASUREMENT STANDARD BY VERSES

Compare temperature and pressure measurements with the established standards shown in the following charts.



Evaporator inlet air temperature

B4M0371A