Service Bulletin

PERFORMANCE MODE / REFRIGERANT CHARGE CHECK
INVERTER DUCTED SYSTEMS

Bulletin No.: 006
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Models: AHU**HPV*AO, AHU**HPV*BO

Equipment Needed

AUX wired controller, inverter ducted system

Tools Required

Refrigerant gauges, pipe temperature probe, adjustable wrench, Phillips screwdriver

Refrigerant Charging

During installation, charge refrigerant according to the length of the connecting piping. The unit ships with enough refrigerant for **25 ft** of line set. If the line set is longer than 25 ft, weigh in an additional **0.54 oz per foot** over 25 ft at the time of installation.

Example – 45 ft Line Set

Total line set length	45 ft
Length over 25 ft	45 − 25 = 20 ft
Additional charge	20 × 0.54 = **10.8 oz**

Weigh in 10.8 oz of refrigerant at the time of installation.

Charge Verification

Put the system in manual control:

1. Set the system to Cooling or Heating mode.
2. Press the **MENU/OK** button.
3. Navigate down to **FOR SERVICEMAN**, then press **MENU/OK**.
4. Enter code **8888**, then press **MENU/OK**.
5. Select **MANUAL CONTROL**, then press **MENU/OK**.
6. Select **SET FREQ.** and set the frequency to **60**.
7. Let the system run for **20 minutes** to stabilize before taking subcooling and superheat readings.

Target Values

Mode	Subcooling	Superheat
Cooling	5–8°C (9–14°F)	3–5°C (5–9°F)
Heating	5–8°C (9–14°F)	1–3°C (2–5°F)

> **Note**
> Not all condensers have a high-side service port, so you may only be able to check one of the target values.