

PA13NA 018-600
 PA14NC 018-060
 PA15NC 018-060
 PA16N* 018-060

**SPLIT-SYSTEM AIR CONDITIONERS
 WITH R-410A REFRIGERANT**

Wiring Diagrams

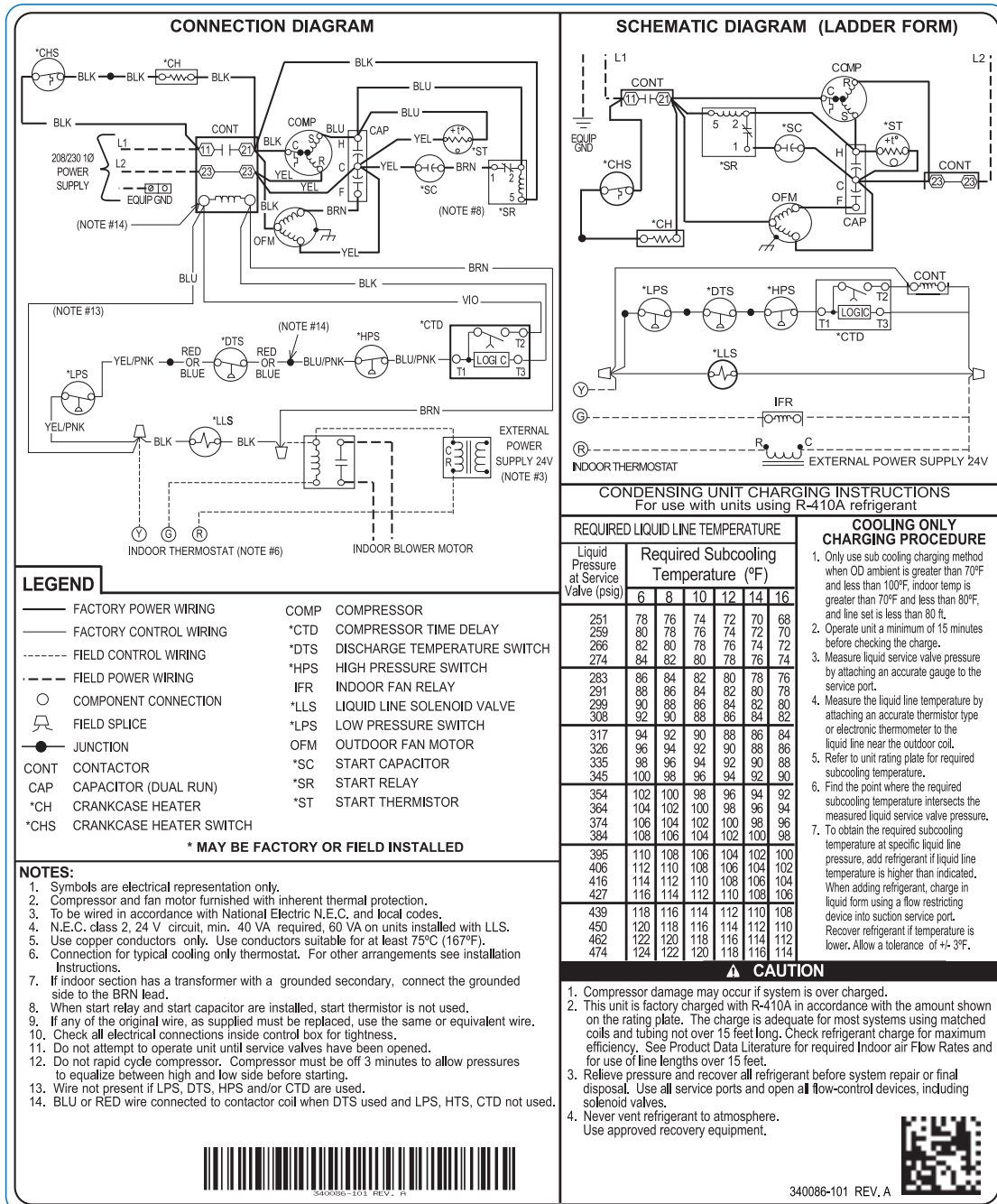
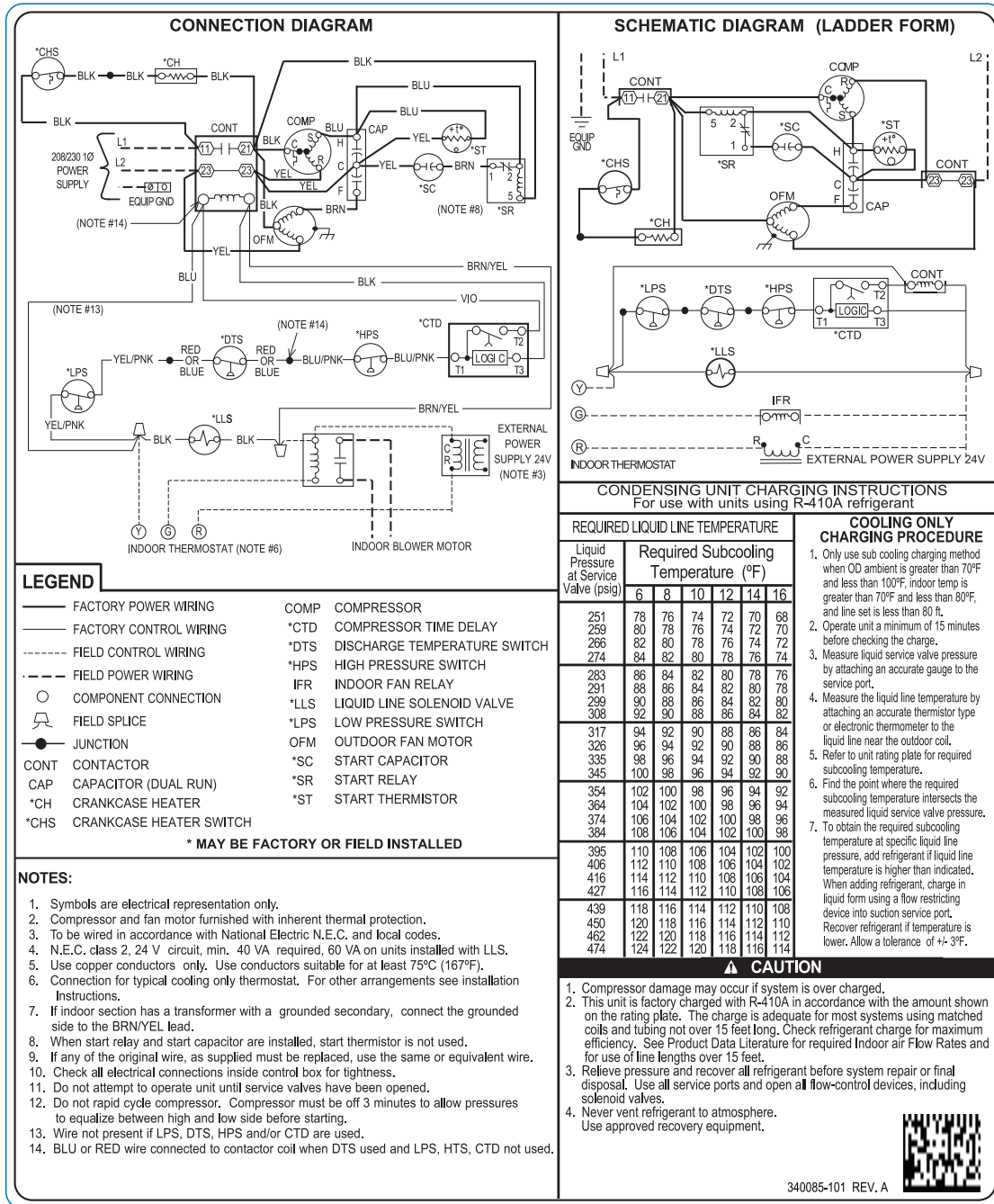


Fig. 1 – Wiring Diagram — Models PA13NA, PA14NC, PA15NC018-060 / PA16N*018-030 , 208/230-1



LEGEND

- | | |
|------------------------------|-----------------------------------|
| — FACTORY POWER WIRING | COMP COMPRESSOR |
| — FACTORY CONTROL WIRING | *CTD COMPRESSOR TIME DELAY |
| ----- FIELD CONTROL WIRING | *DTS DISCHARGE TEMPERATURE SWITCH |
| - - - - - FIELD POWER WIRING | *HPS HIGH PRESSURE SWITCH |
| ○ COMPONENT CONNECTION | IFR INDOOR FAN RELAY |
| ⊕ FIELD SPLICE | *LLS LIQUID LINE SOLENOID VALVE |
| ● JUNCTION | *LPS LOW PRESSURE SWITCH |
| CONT CONTACTOR | OFM OUTDOOR FAN MOTOR |
| CAP CAPACITOR (DUAL RUN) | *SC START CAPACITOR |
| *CH CRANKCASE HEATER | *SR START RELAY |
| *CHS CRANKCASE HEATER SWITCH | *ST START THERMISTOR |
- * MAY BE FACTORY OR FIELD INSTALLED

NOTES:

- Symbols are electrical representation only.
- Compressor and fan motor furnished with inherent thermal protection.
- To be wired in accordance with National Electric N.E.C. and local codes.
- N.E.C. class 2, 24 V circuit, min. 40 VA required, 60 VA on units installed with LLS.
- Use copper conductors only. Use conductors suitable for at least 75°C (167°F).
- Connection for typical cooling only thermostat. For other arrangements see installation instructions.
- If indoor section has a transformer with a grounded secondary, connect the grounded side to the BRN/YEL lead.
- When start relay and start capacitor are installed, start thermistor is not used.
- If any of the original wire, as supplied must be replaced, use the same or equivalent wire.
- Check all electrical connections inside control box for tightness.
- Do not attempt to operate unit until service valves have been opened.
- Do not rapid cycle compressor. Compressor must be off 3 minutes to allow pressures to equalize between high and low side before starting.
- Wire not present if LPS, DTS, HPS and/or CTD are used.
- BLU or RED wire connected to contactor coil when DTS used and LPS, HTS, CTD not used.

Fig. 2 – Wiring Diagram — Model PA16N*036-060