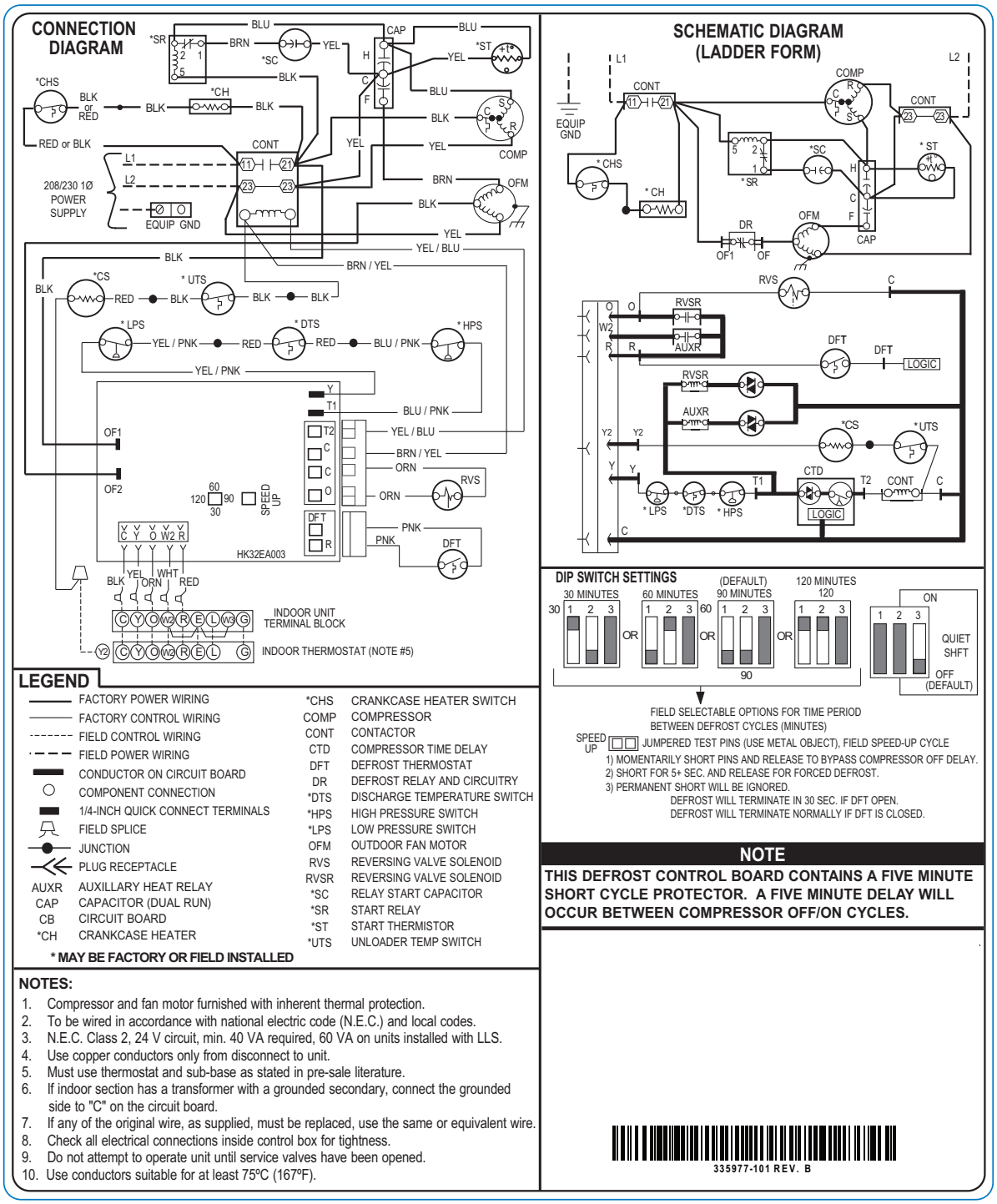
PH16NA

16 SEER 2−Stage
Split−System Heat Pump
With R−410A Refrigerant
2 To 5 Tons (024−060)

Wiring Diagram



LEGEND

- FACTORY POWER WIRING
- FACTORY CONTROL WIRING
- FIELD CONTROL WIRING
- FIELD POWER WIRING
- CONDUCTOR ON CIRCUIT BOARD
- COMPONENT CONNECTION
- 1/4-INCH QUICK CONNECT TERMINALS
- FIELD SPLICE
- JUNCTION
- PLUG RECEPTACLE

AUXR	AUXILLARY HEAT RELAY
CAP	CAPACITOR (DUAL RUN)
CB	CIRCUIT BOARD
*CH	CRANKCASE HEATER
*CHS	CRANKCASE HEATER SWITCH
COMP	COMPRESSOR
CONT	CONTACTOR
CTD	COMPRESSOR TIME DELAY
DFT	DEFROST THERMOSTAT
DR	DEFROST RELAY AND CIRCUITRY
*DTS	DISCHARGE TEMPERATURE SWITCH
*HPS	HIGH PRESSURE SWITCH
*LPS	LOW PRESSURE SWITCH
OFM	OUTDOOR FAN MOTOR
RVS	REVERSING VALVE SOLENOID
RVSR	REVERSING VALVE SOLENOID
*SC	RELAY START CAPACITOR
*SR	START RELAY
*ST	START THERMISTOR
*UTS	UNLOADER TEMP SWITCH

*** MAY BE FACTORY OR FIELD INSTALLED**

NOTE

THIS DEFROST CONTROL BOARD CONTAINS A FIVE MINUTE SHORT CYCLE PROTECTOR. A FIVE MINUTE DELAY WILL OCCUR BETWEEN COMPRESSOR OFF/ON CYCLES.

NOTES:

1. Compressor and fan motor furnished with inherent thermal protection.
2. To be wired in accordance with national electric code (N.E.C.) and local codes.
3. N.E.C. Class 2, 24 V circuit, min. 40 VA required, 60 VA on units installed with LLS.
4. Use copper conductors only from disconnect to unit.
5. Must use thermostat and sub-base as stated in pre-sale literature.
6. If indoor section has a transformer with a grounded secondary, connect the grounded side to "C" on the circuit board.
7. If any of the original wire, as supplied, must be replaced, use the same or equivalent wire.
8. Check all electrical connections inside control box for tightness.
9. Do not attempt to operate unit until service valves have been opened.
10. Use conductors suitable for at least 75ºC (167ºF).

Fig. 1 – PH16NA 2 - 5 Tons

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Replaces: New