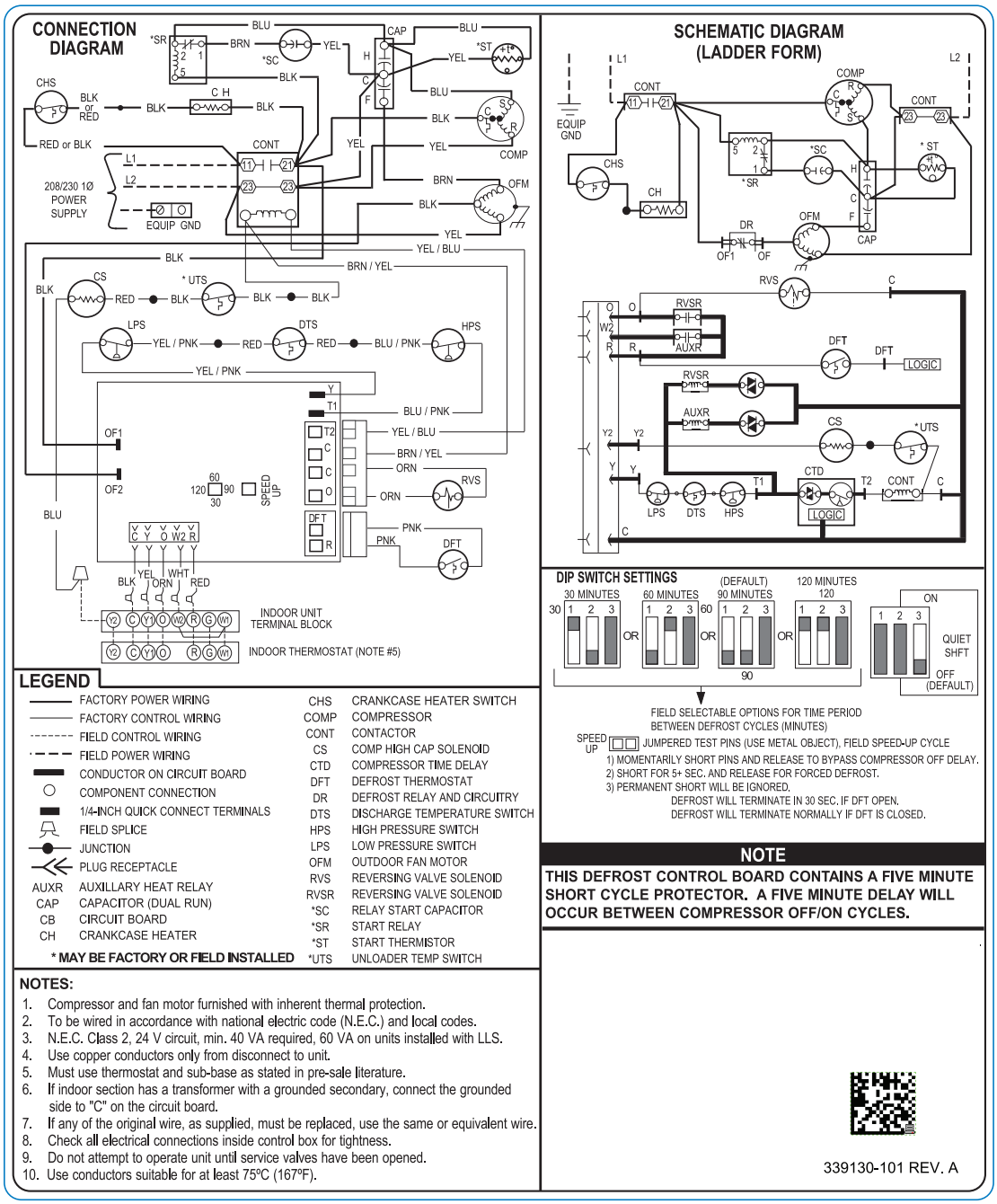
25HCB6
Performance™ 16 2–Stage Heat Pump with Puron® Refrigerant 2 to 5 Tons

Carrier
turn to the experts

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
CS	COMP HIGH CAP SOLENOID
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**

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).

NOTE

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

Fig. 1 – Wiring Diagram — Model sizes 2–5 tons, 208/230–1

Copyright 2012 Carrier Corp. • 7310 W. Morris St. • Indianapolis, IN 46231

Edition Date: 08/12

Catalog No: 25HCB6−2W

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

Replaces: 25HCB6−1W