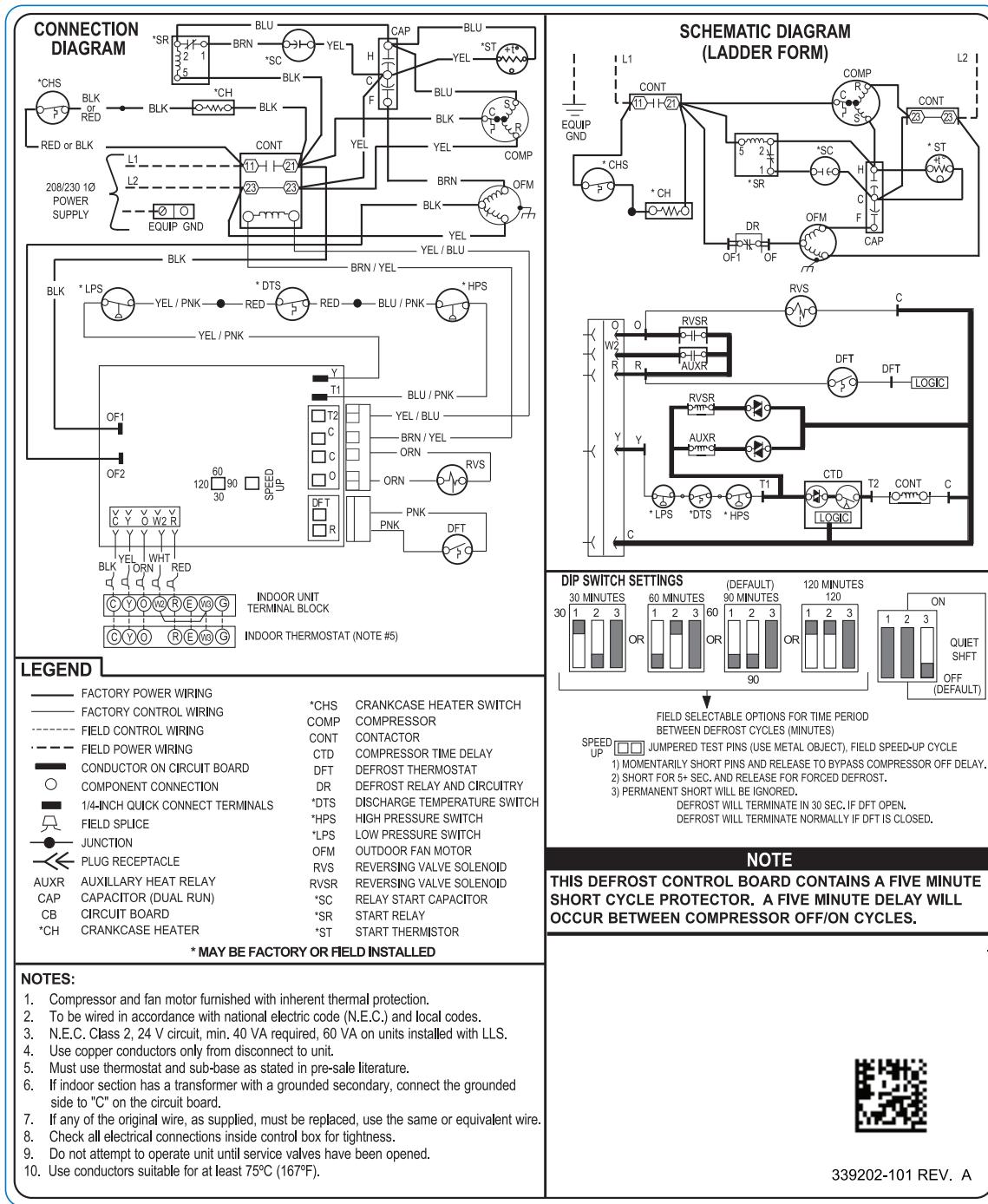
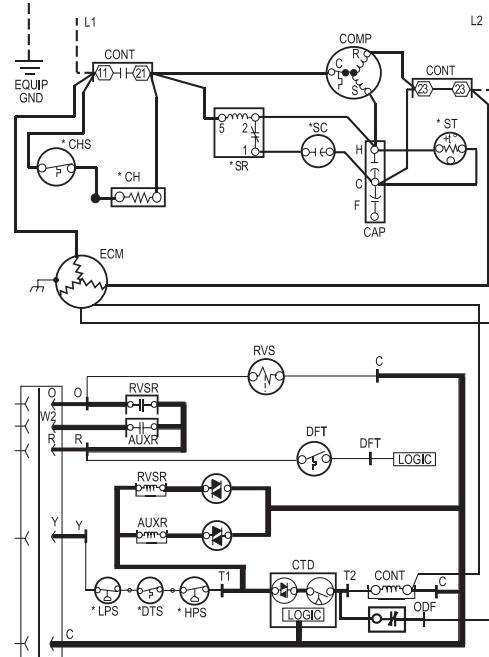
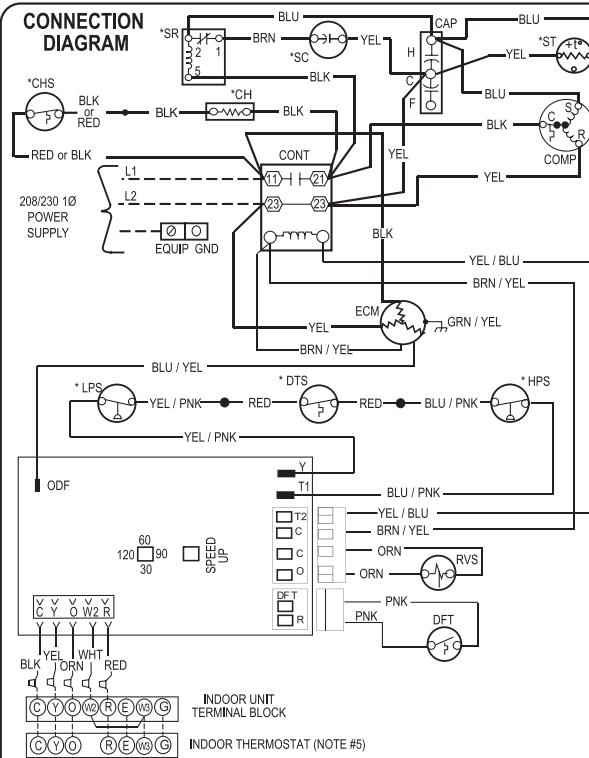


25HCC5
Performance™ 15 Heat Pump
with Puron® Refrigerant
1-1/2 to 5 Tons



Wiring Diagram





LEGEND

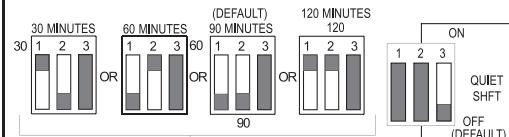
—	FACTORY POWER WIRING	*CHS CRANKCASE HEATER SWITCH
—	FACTORY CONTROL WIRING	COMP COMPRESSOR
—	FIELD CONTROL WIRING	CONT CONTACTOR
—	FIELD POWER WIRING	CTD COMPRESSOR TIME DELAY
—	CONDUCTOR ON CIRCUIT BOARD	DFT DEFROST THERMOSTAT
○	COMPONENT CONNECTION	DR DEFROST RELAY
■	1/4-INCH QUICK CONNECT TERMINALS	DTS DISCHARGE TEMPERATURE SWITCH
⌖	FIELD SPLICE	*HPS HIGH PRESSURE SWITCH
●	JUNCTION	*LPS LOW PRESSURE SWITCH
⚡	PLUG RECEPTACLE	RVS REVERSING VALVE SOLENOID
AUXR	AUXILIARY HEAT RELAY	RVSRL REVERSING VALVE SOLENOID
CAP	CAPACITOR (DUAL RUN)	*SC RELAY START CAPACITOR
CB	CIRCUIT BOARD	*SR START RELAY
		*ST START THERMISTOR
		ECM ELECTRONICALLY COMMUTATED MOTOR

* 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 75°C (167°F).

DIP SWITCH SETTINGS



FIELD SELECTABLE OPTIONS FOR TIME PERIOD
BETWEEN DEFROST CYCLES (MINUTES)

SPEED UP JUMPED TEST PINS (USE METAL OBJECT), FIELD SPEED-UP CYCLE

- 1) MOMENTARILY SHORT PINS AND RELEASE TO BYPASS COMPRESSOR OFF DELAY.
- 2) SHORT FOR 5+ SEC, AND RELEASE FOR FORCED DEFROST.
- 3) PERMANENT SHORT WILL BE IGNORED.

DEFROST WILL TERMINATE IN 30 SEC, IF DFT OPEN.
DEFROST WILL TERMINATE NORMALLY IF DFT IS CLOSED,

NOTE

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



343064-101 REV. A

Fig. 2 – Wiring Diagram — 25HCC561 - 208/230-1