

Wiring Diagrams

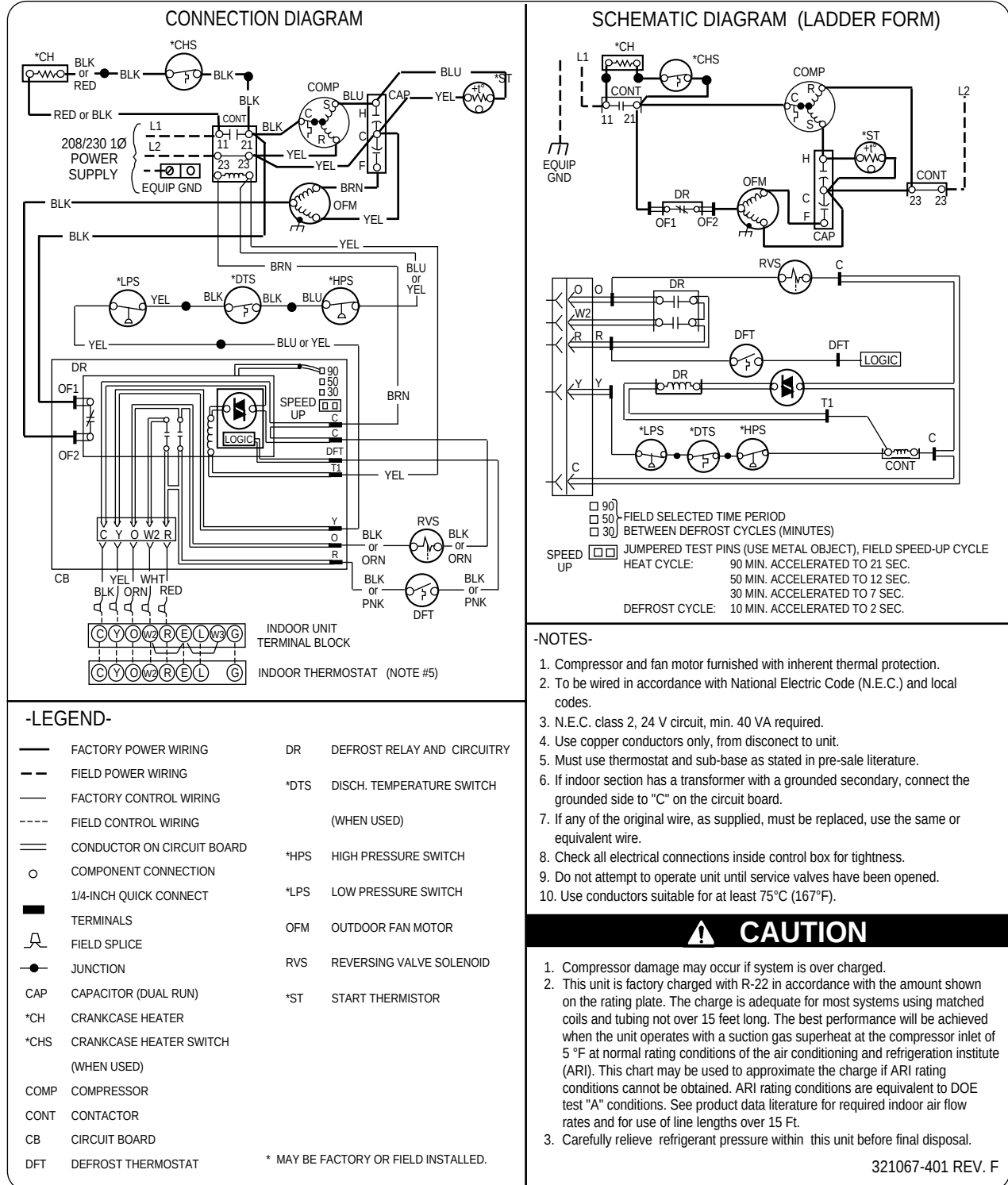


Fig. 1—38YKC018-042 208/230v, 1 Phase, 60 Hertz

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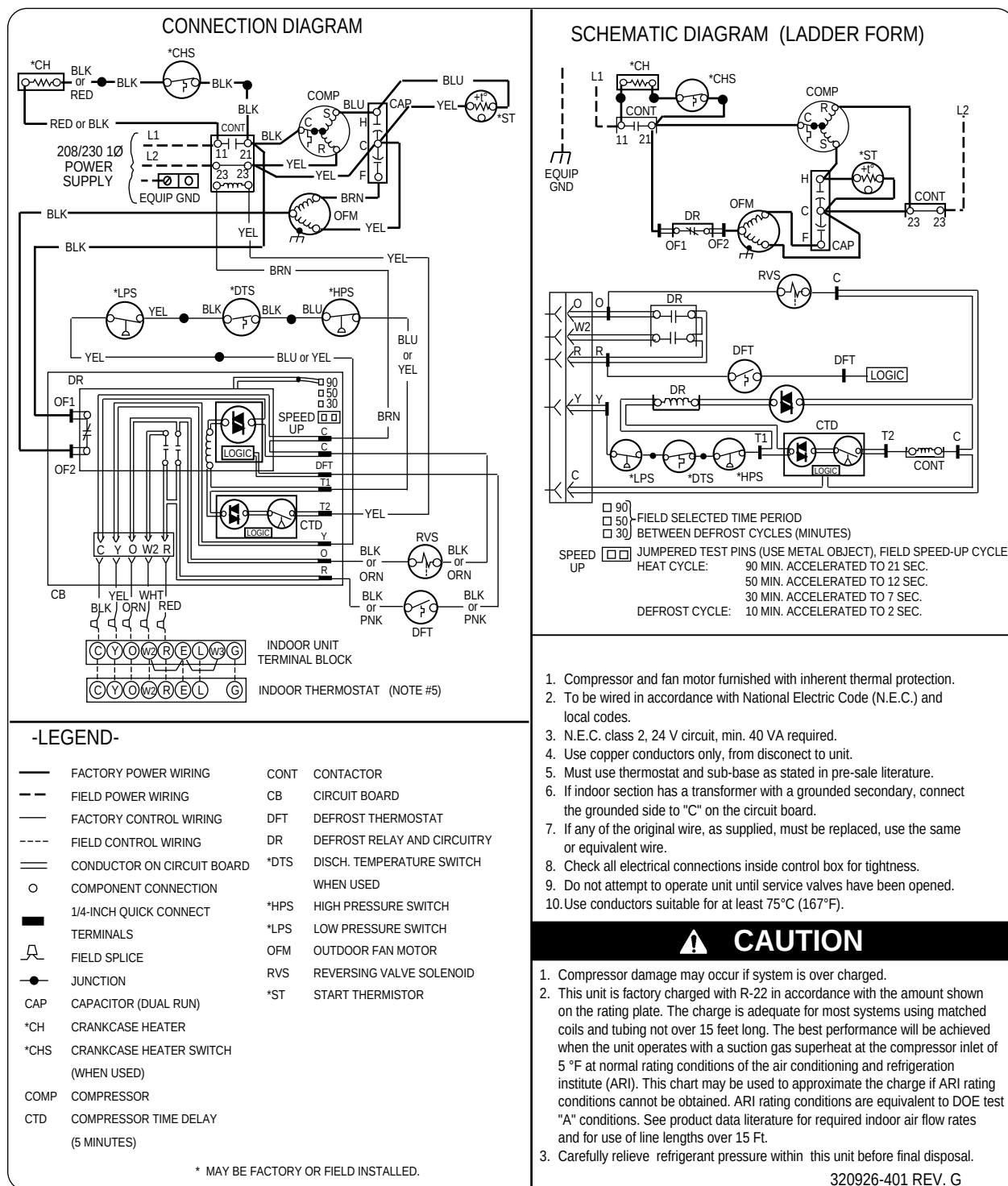
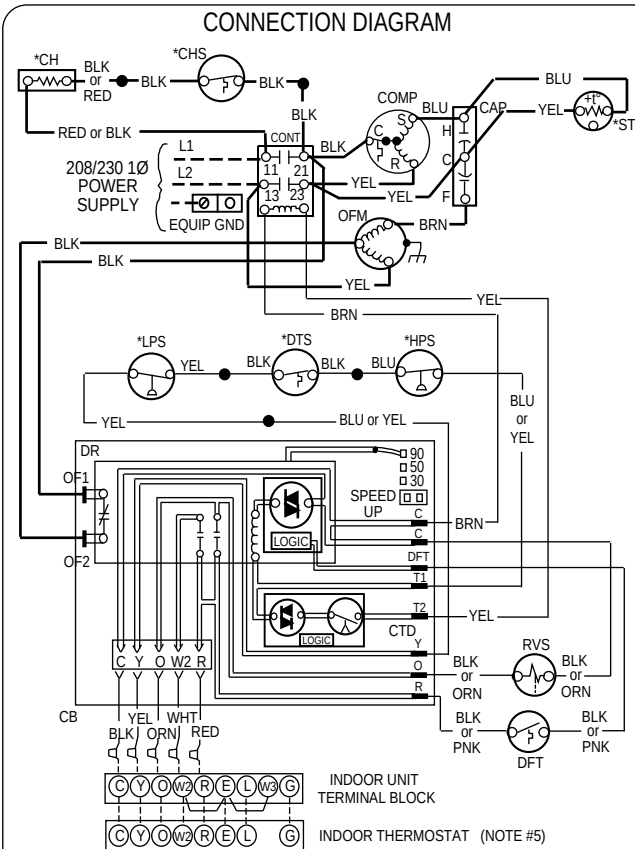


Fig. 2—38YKC048 208/230v, 1 Phase, 60 Hertz

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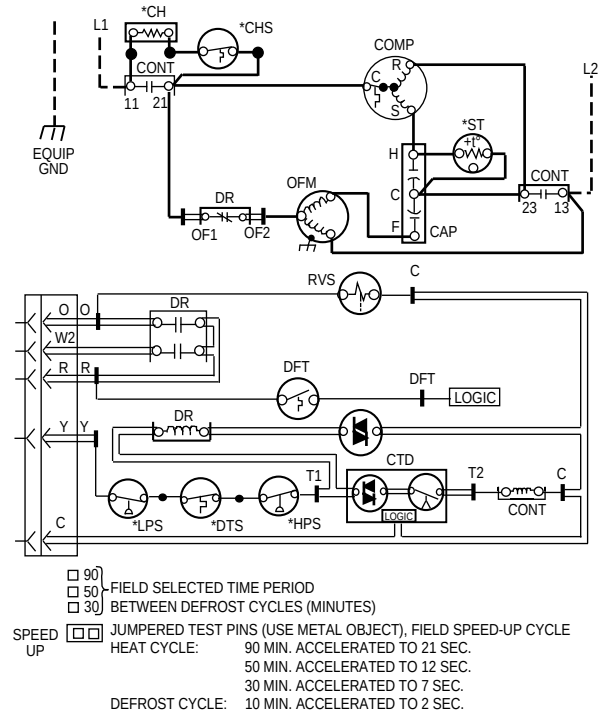


-LEGEND-

—	FACTORY POWER WIRING	CTD	COMPRESSOR TIME DELAY (5 MINUTES)
- - -	FIELD POWER WIRING	CONT	CONTACTOR
—	FACTORY CONTROL WIRING	CB	CIRCUIT BOARD
- - -	FIELD CONTROL WIRING	DFT	DEFROST THERMOSTAT
==	CONDUCTOR ON CIRCUIT BOARD	DR	DEFROST RELAY AND CIRCUITRY
○	COMPONENT CONNECTION	*DTS	DISCH. TEMPERATURE SWITCH (WHEN USED)
■	1/4-INCH QUICK CONNECT	*HPS	HIGH PRESSURE SWITCH
□	TERMINALS	*LPS	LOW PRESSURE SWITCH
⌋	FIELD SPLICE	OFM	OUTDOOR FAN MOTOR
●	JUNCTION	RVS	REVERSING VALVE SOLENOID
CAP	CAPACITOR (DUAL RUN)	*ST	START THERMISTOR (WHEN USED)
*CH	CRANKCASE HEATER	COMP	COMPRESSOR
*CHS	CRANKCASE HEATER SWITCH (WHEN USED)		

* MAY BE FACTORY OR FIELD INSTALLED.

SCHEMATIC DIAGRAM (LADDER FORM)



-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.
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).

⚠ CAUTION

1. Compressor damage may occur if system is over charged.
2. This unit is factory charged with R-22 in accordance with the amount shown on the rating plate. The charge is adequate for most systems using matched coils and tubing not over 15 feet long. The best performance will be achieved when the unit operates with a suction gas superheat at the compressor inlet of 5 °F at normal rating conditions of the air conditioning and refrigeration institute (ARI). This chart may be used to approximate the charge if ARI rating conditions cannot be obtained. ARI rating conditions are equivalent to DOE test "A" conditions. See product data literature for required indoor air flow rates and for use of line lengths over 15 Ft.
3. Carefully relieve refrigerant pressure within this unit before final disposal.

320930-401 REV. G

Fig. 3—38YKC060 208/230v, 1 Phase, 60 Hertz

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SERVICE TRAINING

Packaged Service Training programs are an excellent way to increase your knowledge of the equipment discussed in this manual, including:

- Unit Familiarization
- Maintenance
- Installation Overview
- Operating Sequence

A large selection of product, theory, and skills programs is available, using popular video-based formats and materials. All include video and/or slides, plus companion book.

Classroom Service Training plus "hands-on" the products in our labs can mean increased confidence that really pays dividends in faster troubleshooting, fewer callbacks. Course descriptions and schedules are in our catalog.

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