



# 38TKB Air Conditioning Units

## Wiring Diagrams

Size 018-060

### LEGEND

|  |                                 |
|--|---------------------------------|
|  | Component Connection (Marked)   |
|  | Component Connection (Unmarked) |
|  | Field Control Wiring            |
|  | Field Power Wiring              |
|  | Phantom Comp. Wiring            |
|  | Field Splice                    |
|  | Junction                        |
|  | Contactor                       |
|  | Fan Capacitor                   |
|  | Cooling Compensator             |
|  | Crankcase Heater                |
|  | Compressor                      |
|  | Compressor Time Delay           |
|  | Discharge Temp. Switch          |
|  | Ground                          |
|  | High Voltage                    |
|  | High Pressure Switch            |
|  | Indoor Fan Relay                |
|  | Liq. Line Solenoid Valve        |
|  | Low Pressure Switch             |
|  | Low Voltage                     |
|  | Outdoor Fan Motor               |
|  | Thermostat Cooling              |

### NOTES:

1. Compressor and fan motor furnished with inherent thermal protection.
2. To be wired in accordance with national electric 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.
5. Typical cooling only thermostat, for other arrangements see installation instructions.
6. If indoor section has a transformer with a grounded secondary, connect the grounded side to the BRN lead.
7. Any or all devices shown with phantom leads may be factory or field installed options.
8. CH not used on all units.
9. If any of the original wire, as supplied, must be replaced, use the same or equivalent wire.
10. Check all electrical connections inside control box for tightness.
11. Do not attempt to operate unit until service valves have been opened.
12. Do not rapid cycle compressor. Compressor must be off 3 minutes to allow pressures to equalize between high and low side before starting.
13. Wire not present if HPS, LPS, DTS or CTD are used.
14. Three phase compressor motor protected under primary single phasing conditions.

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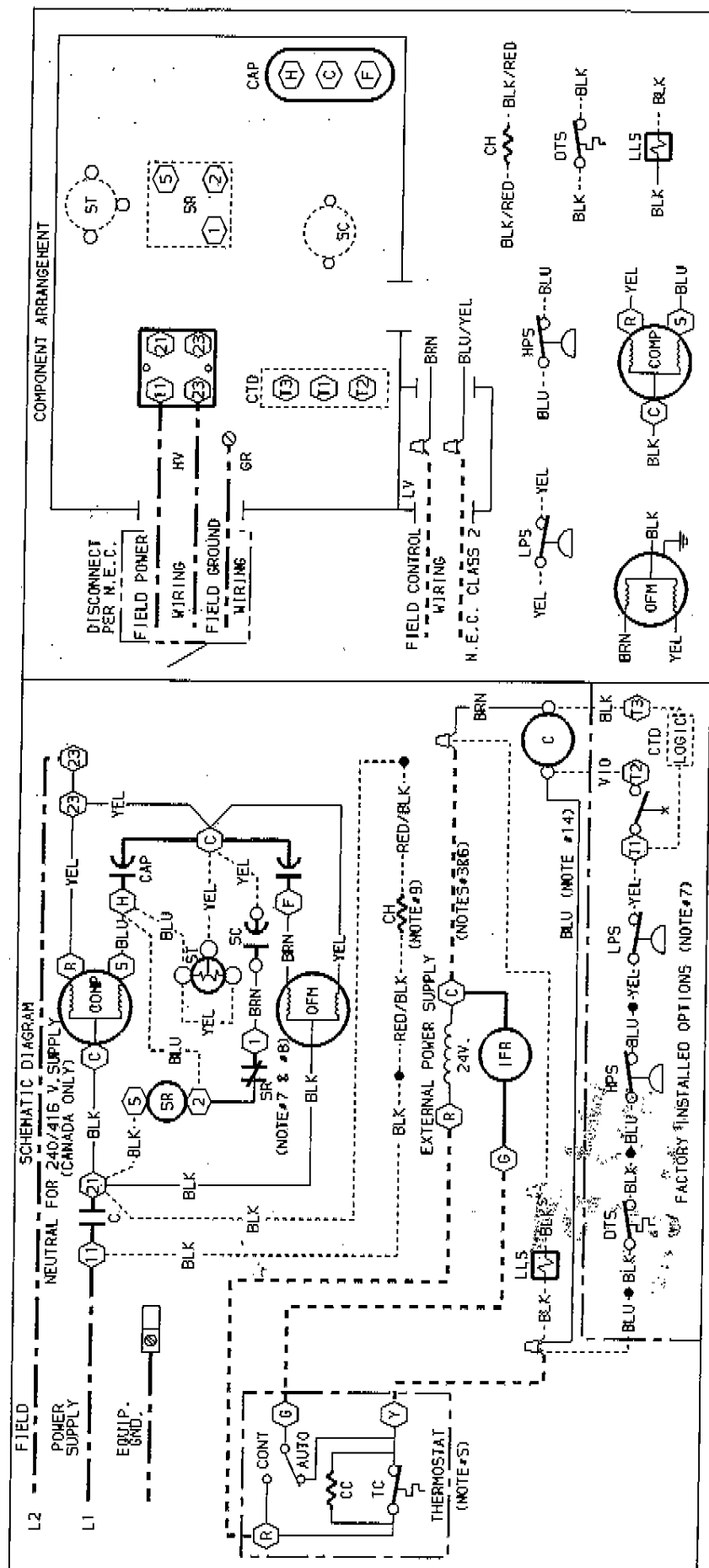
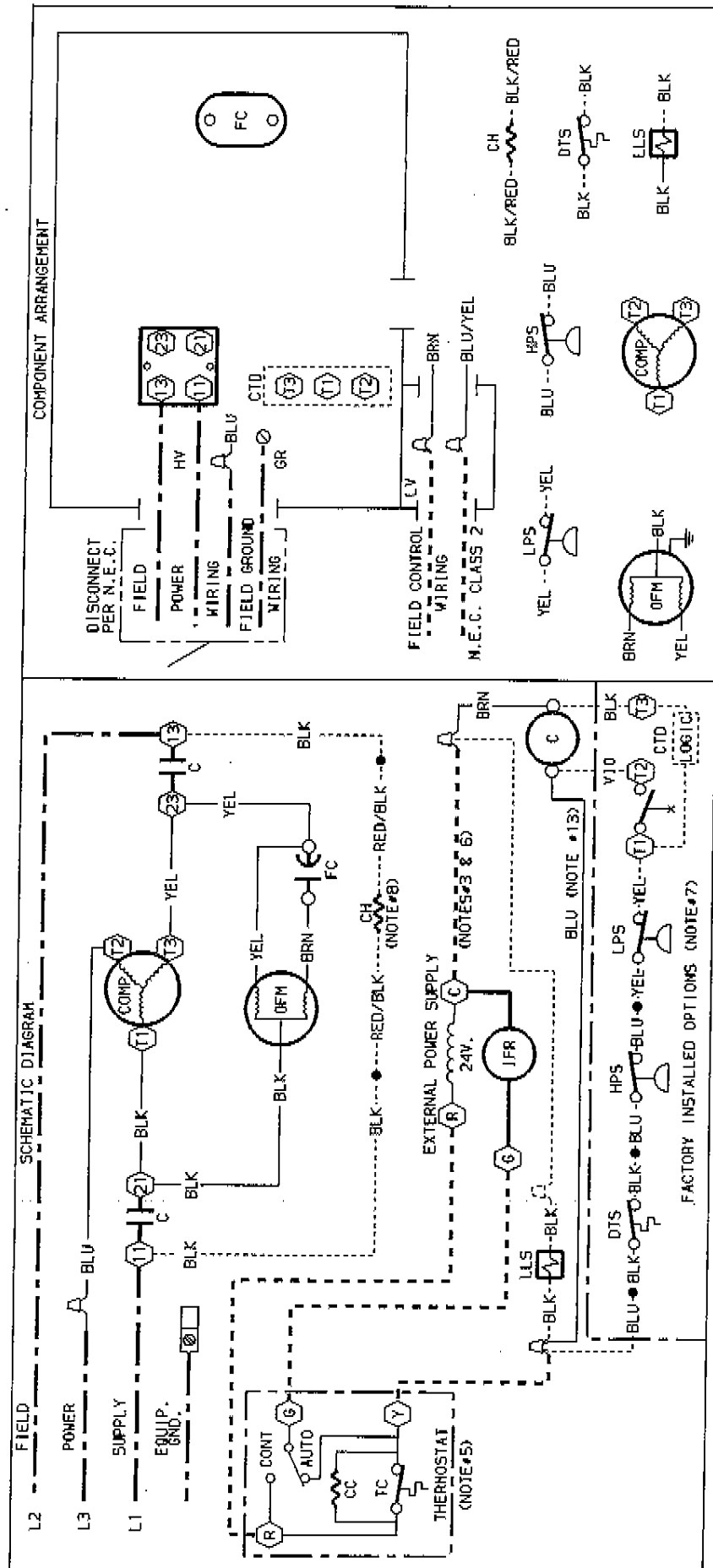


**Fig. 1—208/230 Volts, 1 Phase, 60 Hertz Units**



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