

KEY	DESCRIPTION COMPONENT
B1	Compressor
B2	motor-outdoor fan
B3	motor-indoor blower
C1-C2	capacitors
CH	heater-crankcase
F	fuse 3.15A 250V
K1	contactor-compressor (3P-NO)
K2	control-defrost
K3	relay-indoor blower (SPST)
K4	relay-outdoor fan & defrost (3P-DT)
K5	relay-fan motor (SPST)
L1	valve-reversing
RT-C	thermist-coil
RT-A	thermist-air
S1	switch-disconnect (not provided)
S2	thermostat-room
S5	switch-high pressure
S6	switch-low ambient
S7	switch-defrost high pressure
S8	switch-loss of charge
T1	transformer-thermostat
TB1	block-terminal high voltage
TB2	block-terminal low voltage
HVJB	high voltage junction box
LVJB	low voltage junction box

COLOR CODES	
BK	black
O	orange
BL	blue
Y	yellow
BR	brown
V/GR	yellow-green
R	red

1 These leads are used only when ECH9 electric heater is installed.

2 Refer to unit rating plate for minimum circuit ampacity and maximum overcurrent protection size.

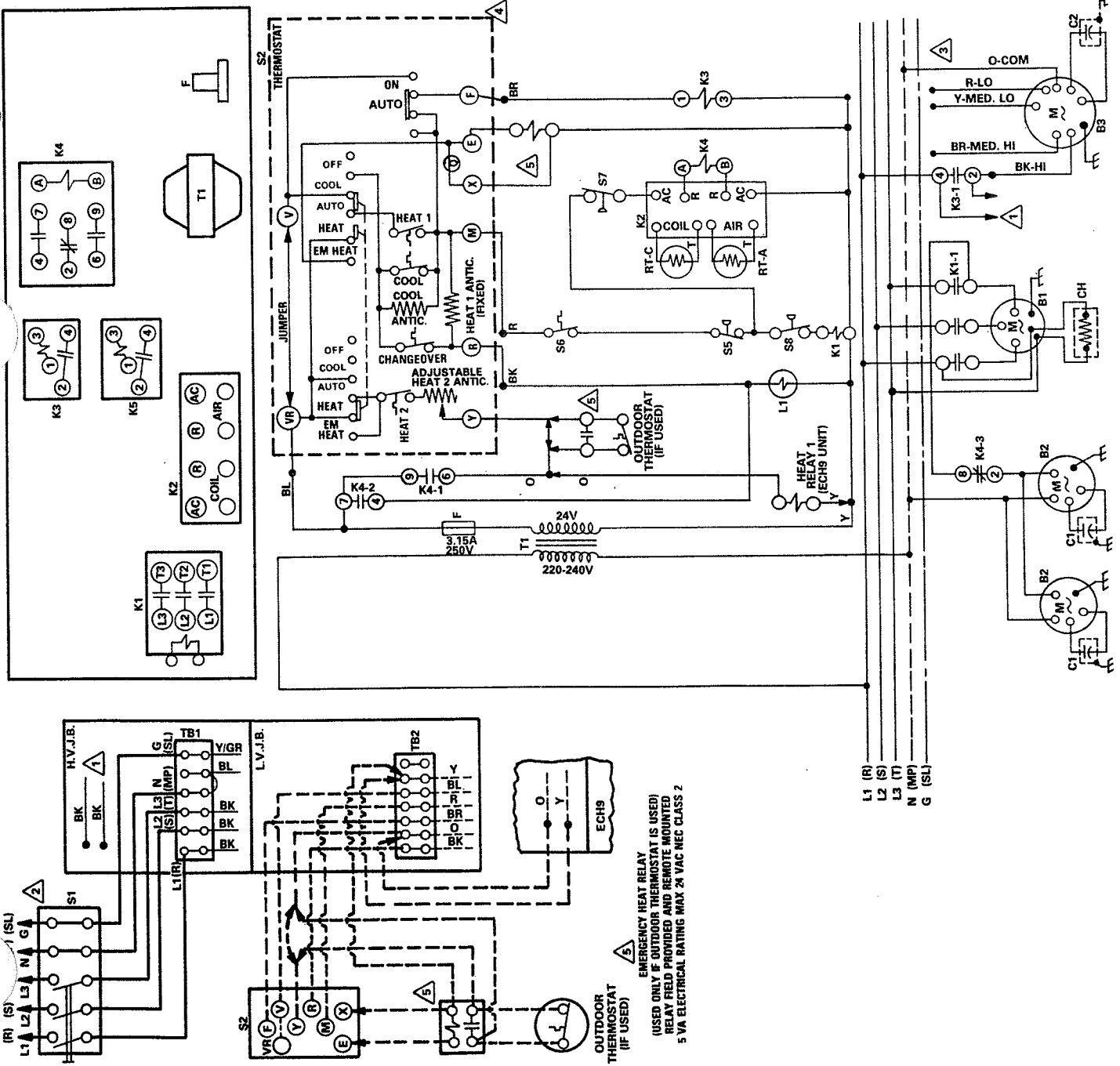
3 IMPORTANT—To prevent motor burnout, never connect more than one motor lead to blower relay connection. Tape unused motor leads separately.

4 Thermostat Heat Anticipation
1st stage — fixed
2nd stage — set according to electric heat

LINE VOLTAGE INSTALLED AT FACTORY
LOW VOLTAGE INSTALLED AT FACTORY
LINE VOLTAGE TO BE INSTALLED
LOW VOLTAGE TO BE INSTALLED
NEC CLASS 2

LENNOX Industries Inc.	WIRING DIAGRAM	11/81
HEAT PUMP PACKAGE		
CHP9-513-3M CHP9-653-2M		
Supersedes Form No.	380-420/50/3	New Form No.
		526,963W

Litho U.S.A.



5 EMERGENCY HEAT RELAY (USED ONLY IF OUTDOOR THERMOSTAT IS USED) RELAY FIELD PROVIDED AND REMOTE MOUNTED 5 VA ELECTRICAL RATING MAX. 24 VAC NEC CLASS 2

L1 (R)
L2 (S)
L3 (T)
N (MP)
G (SL)