

IF ANY WIRE IN THE APPLIANCE IS REPLACED,
IT MUST BE REPLACED WITH WIRE OF LIKE SIZE,
RATING, INSULATION THICKNESS AND TERMINATION.

THERMOSTAT HEAT ANTICIPATION SETTING 0.7 AMP

WARNING-ELECTRIC SHOCK HAZARD,CAN CAUSE INJURY
OR DEATH. UNIT MUST BE GROUNDED IN
ACCORDANCE WITH NATIONAL AND LOCAL CODES

REFER TO UNIT RATING PLATE FOR
MINIMUM CIRCUIT AMPACITY AND
MAXIMUM OVERCURRENT PROTECTION SIZE

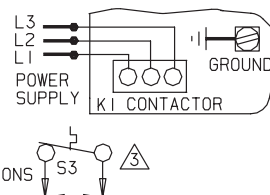
USE COPPER CONDUCTORS ONLY

DISCONNECT ALL POWER BEFORE SERVICING

ECONOMIZER

BLOWER(G)

HEAT I(WI)



P66 →

COOL I(YI)

-50°C LOW AMBIENT CONTROL,CANADIAN UNITS ONLY

CONNECTIONS FOR REMOTE MOUNTED SMOKE DETECTOR
A17, MAX LOAD 0.1VA 24VAC CLASS II

FOR USE ON CGA UNITS ONLY

HRI NOT USED ON UNITS WITH SCROLL COMPRESSORS

S21 IS USED ON GCS16-036 UNITS

REFER TO BLOWER SPEED CHART FOR MOTOR CONNECTIONS

KEY	DESCRIPTION
A17	(SEE NOTE 2)
A3	CONTROL-BURNER
B1	COMPRESSOR
B3	MOTOR-BLOWER
B4	MOTOR-OUTDOOR FAN
B6	MOTOR-COMB AIR BLOWER
C1	CAPACITOR-OUTDOOR FAN
C4	CAPACITOR-BLOWER MOTOR
CB8	CIRCUIT BREAKER-TRANS T1
F20	FUSE,-50C LOW AMBIENT KIT
GV1	VALVE-GAS
HRI	HEATER-COMPRESSOR
HR6	HEATER,-50C LOW AMBIENT KIT
J35	JACK-TEST
J43	JACK-BLOWER MOTOR
J58	JACK-BURNER CONTROL
K1,-1	CONTACTOR-COMPRESSOR
K20,-1	RELAY-LIMIT,BLOWER
K43,-1	RELAY-ECONOMIZER BLOWER
P35	PLUG-TEST
P43	PLUG-BLOWER MOTOR
P58	PLUG-BURNER CONTROL
P66	PLUG-NOVAR ETM

KEY	DESCRIPTION
S3	SWITCH-LIMIT,LOW COMP I /COMPRESSOR MONITOR
S4	SWITCH-LIMIT, HI PRESS
S10	SWITCH-LIMIT, PRIMARY GAS
S11	SWITCH-LOW PRESS,LOW AMBIENT KIT
S18	SWITCH-COMB AIR BLOWER
S21	SWITCH-LIMIT,SECONDARY GAS HEAT
S47	SWITCH-FLAME ROLLOUT
S49	SWITCH-FREEZESTAT
S59	THERMOSTAT,-35C OPEN,-50 LOW AMB KIT
S60	THERMO,-23C CL,-7C OP,-50C LOW AMB KIT
S61	THERMOSTAT,+24C OPEN,-50C LOW AMB KIT
S74	SWITCH-FIRESTAT 1
S75	SWITCH-FIRESTAT 2
T1	TRANSFORMER-CONTROL
TB32	TERMINAL STRIP-GROUND

24V COMMON

← DENOTES OPTIONAL COMPONENTS

BLOWER SPEED CHART					
UNITS		FACTORY CONNECTED SPEED TAPS			MOTOR SPEEDS AVAILABLE
		COOL		HEAT	
		208V/230V	208V/230V	208V/230V	
-036		3	3	4	4
-048, -060		3	3	4	5
BLOWER SPEED SELECTION					
HI ←————→ LO					
SPEED TAPS	2	3	4	5	4
	2	3	4	5	6

— LINE VOLTAGE FIELD INSTALLED

NOTE-ALL REMAINING WIRES FACTORY INSTALLED

WIRING DIAGRAM	6/04
COMBINATION UNITS-ROOFTOP	
GCS16,GCS20-036,048,060-4,5,7-Y	
HEAT,COOL SECTION B35	
Supersedes Form No. 534,036W	New Form No. 534,334W

