CRNGELEV001A00 CRNGELEV002A00 CRLPELEV005A00 CRLPELEV006A00 CRLPKIT9001A00

LARGE ROOFTOP UNITS with R-410A ACCESSORY PROPANE and HIGH ALTITUDE GAS CONVERSION KIT GAS HEATING/ELECTRIC COOLING 15 to 25 TON COOLING 220,000-400,000 Btu/hr HEATING

Installation Instructions

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IMPORTANT: Read these instructions completely before attempting to install this accessory.

PACKAGE CONTENTS TABLES HIGH ALTITUDE AND PROPANE KITS

CRNGELEV001A00 High Altitude – Natural Gas Kit (3000 – 10		Altitude – Natural Gas Kit (3000 – 10000 ft.)	
ITEM	COMPONENT NUMBER	QTY	COMPONENT NAME
1	IIK-CRLPNGE01-01	1	INSTRUCTIONS, INSTALLATION
2	LH32RF120 (#31)	9	ORIFICE, BURNER
3	LH32RF116 (#32)	9	ORIFICE, BURNER
4	LH32RF111 (#34)	9	ORIFICE, BURNER
5	48TM501015	1	LABEL, HIGH-ALTITUDE RESPONSIBILITY
6	50HE501331	1	LABEL, CONVERSION KIT RATING PLATE

CRNGELEV002A00 High A		High A	Altitude – Natural Gas Kit (10000 – 14000 ft.)
ITEM	COMPONENT NUMBER	QTY	COMPONENT NAME
1	IIK-CRLPNGE01-01	1	INSTRUCTIONS, INSTALLATION
2	LH32RF110 (#35)	9	ORIFICE, BURNER
3	LH32RF104 (#37)	9	ORIFICE, BURNER
4	LH32RF103 (#39)	9	ORIFICE, BURNER
5	48TM501015	1	LABEL, HIGH-ALTITUDE RESPONSIBILITY
6	50HE501331	1	LABEL, CONVERSION KIT RATING PLATE

CRLPELEV005A00 High Altitude – Propane Kit (2000		n Altitude – Propane Kit (2000 – 10000 ft.)	
ITEM	COMPONENT NUMBER	QTY	COMPONENT NAME
1	IIK-CRLPNGE01-01	1	INSTRUCTIONS, INSTALLATION
2	LH32RF073 (#49)	9	ORIFICE, BURNER
3	LH32RF070 (#50)	9	ORIFICE, BURNER
4	LH32RF067 (#51)	9	ORIFICE, BURNER
5	CA01CA014	1	NIPPLE, ¹ / ₈ " PIPE X 2 ¹ / ₂ "
6	HK02LB008	1	SWITCH, PROPANE PRESSURE
7	99MG737XC201018	1	WIRE, BROWN
8	EF39ZW023	2	SPRINGS, PROPANE CONVERSION
9	48TM501012	1	LABEL, UNIT WARNING
10	48TM501013	1	LABEL, PROPANE CONVERSION
11	48TM501014	1	LABEL, PROPANE RESPONSIBILITY
12	50HE501340	1	LABEL, CONVERSION KIT RATING PLATE

CRLPELEV006A00 High Altitude – Propane Kit (10000 – 1400		Altitude – Propane Kit (10000 – 14000 ft.)	
ITEM	COMPONENT NUMBER	QTY	COMPONENT NAME
1	IIK-CRLPNGE01-01	1	INSTRUCTIONS, INSTALLATION
2	LH32RF065 (#52)	9	ORIFICE, BURNER
3	LH32RF060 (#53)	9	ORIFICE, BURNER
4	CA01CA014	1	NIPPLE, ¹ / ₈ " PIPE X 2 ¹ / ₂ "
5	HK02LB008	1	SWITCH, PROPANE PRESSURE
6	99MG737XC201018	1	WIRE, BROWN
7	EF39ZW023	2	SPRINGS, PROPANE CONVERSION
8	48TM501012	1	LABEL, UNIT WARNING
9	48TM501013	1	LABEL, PROPANE CONVERSION
10	48TM501014	1	LABEL, PROPANE RESPONSIBILITY
11	50HE501340	1	LABEL, CONVERSION KIT RATING PLATE

CRLPKIT9001A00 Standard Altitude – Propane Kit (0 – 200		ndard Altitude – Propane Kit (0 – 2000 ft.)	
ITEM	COMPONENT NUMBER	QTY	COMPONENT NAME
1	IIK-CRLPNGE01-01	1	INSTRUCTIONS, INSTALLATION
2	LH32RF076 (#48)	9	ORIFICE, BURNER
3	CA01CA014	1	NIPPLE, ¹ / ₈ " PIPE X 2 ¹ / ₂ "
4	HK02LB008	1	SWITCH, PROPANE PRESSURE
5	99MG737XC201018	1	WIRE, BROWN
6	EF39ZW023	2	SPRINGS, PROPANE CONVERSION
7	48TM501012	1	LABEL, UNIT WARNING
8	48TM501013	1	LABEL, PROPANE CONVERSION
9	48TM501014	1	LABEL, PROPANE RESPONSIBILITY

SAFETY CONSIDERATIONS

Installation and servicing of air-conditioning equipment can be hazardous due to system pressure and electrical components. Only trained and qualified service personnel should install, repair, or service air-conditioning equipment.

Untrained personnel can perform the basic maintenance functions. All other operations should be performed by trained service personnel. When working on air-conditioning equipment, observe precautions in the literature, tags and labels attached to the unit, and other safety precautions that may apply.

Follow all safety codes. Wear safety glasses and work gloves.

Recognize safety information. This is the safety-alert symbol \triangle . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies a hazard which **could** result in personal injury or death. CAUTION is used to identify unsafe practices which **may** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

GENERAL

These models are shipped from the factory equipped to operate with natural gas at elevations up to 3000 ft (914 m). The units must be modified if installed at elevations above 3000 ft (914 m) using natural gas, or if operated with propane at any altitude.

For installations in Canada, the unit rating bust be derated by 10% for altitudes of 2000 ft (610 m) to 4500 ft (1372 m) above sea level.

Five different gas conversion kits are available, as shown in Package Contents tables (see pages 1 and 2). Each kit contains a particular range of orifice sizes plus other hardware and labels necessary for converting the unit. Refer to the Altitude Compensation table (at the end of this document) to determine the recommended orifice size based on fuel type and elevation.

WARNING

FIRE, EXPLOSION, CARBON MONOXIDE POISONING, PROPERTY DAMAGE HAZARD

Failure to follow this warning could result in personal injury, death or property damage.

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted furnace is checked as specified in the manufacturer's instructions supplied in the kit.

AVERTISSEMENT

FEU, EXPLOSION, EMPOISONNEMENT PAR CARBON DE MONOXYDE, RISQUE DE DOMMAGE ÀLAPROPRIÉTÉ

La négligeance de suivre l'avis suivant, peut causer des blessures personnelles, la mort ou du dommage à la propriété.

Cette trousse de conversion doit être installée par un Entrepreneur qualifié, selon les instructions du fabricant et doit se conformer à toutes les exigences et tout les codes pertinents de l'autorité compétente. L'Entrepreneur qualifié est responsable, et doit s'assurer de bien suivre les instructions dans cet avis. L'installation sera considèrèè conforme et rencontrant les spécifications et instructions du fabriquant qui sont inclus dans la trousse, seulement aprés vérification de l'opération de la fournaise convertie.

WARNING

EXPLOSION, PERSONAL INJURY HAZARD

Failure to follow this warning could result in personal injury or death.

Unit is designed to operate at 10.0 in. we of manifold pressure on HIGH stage and 6.6 in. we on LOW stage with PROPANE gas.

WARNING

FIRE, EXPLOSION, ELECTRICAL HAZARD

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Failure to follow this warning could result in personal injury, death or property damage.

Gas supply MUST be shut off before disconnecting electrical power and proceeding with conversion

WARNING

ELECTRICAL SHOCK HAZARD

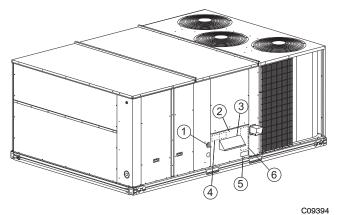
Failure to follow this warning could result in personal injury or death.

Before installing or servicing system, always turn off main power to system. There may be more than one disconnect switch. Tag disconnect switch with suitable warning label.

STANDARD/HIGH ALTITUDE PROPANE CONVERSION KIT INSTALLATION

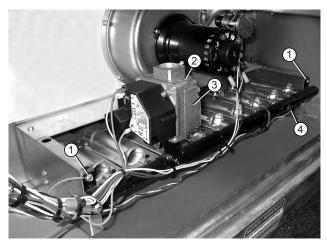
Step 1 — Remove Gas Manifold Assembly from Base Unit

- 1. Shut off main gas supply to unit.
- 2. Shut off power to unit and install lockout tag.
- 3. Remove burner access panel.
- 4. Disconnect gas piping to allow removal of gas manifold.
- 5. Disconnect and mark wires to gas valve and cut wire tines holding wire bundle to gas manifold.
- 6. Remove the 2 screws on each end of the gas manifold that attached it to the sheet metal side brackets. (See Fig. 2, Item 1.)
- 7. Remove the gas manifold assembly with the gas valve attached.



Item No.	Description
1	Gas Inlet
2	Burner Access Panel
3	Inlet Air Hood
4	Propane Responsibility Label or High Altitude Responsibility Label (If specified, apply label to back side of panel)
5	Warning Label (apply label to outside of panel)
6	Conversion Kit Rating Plate Label (If specified, apply label to back side of panel)

Fig. 1 - Typical Base Unit



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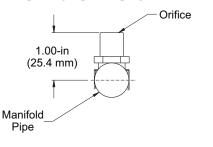
Item No.	Description	
1	Gas Manifold Mounting Screws (qty 2)	
2	Gas Valve Inlet Plug	
3	Propane Conversion Label (apply label where indicated)	
4	Gas Manifold Pressure Tap	

Fig. 2 - Gas Section Details

Step 2 — Modify Gas Manifold / Valve Assembly

1. Remove existing gas orifices. Install the new orifices (as shown in Fig. 3) from the gas conversion kit, making sure they match the recommended size from Table 1.

IMPORTANT: Never use Teflon tape to seal gas orifice threads because peeling tape can plug the orifice.





- 2. Remove the plug on the inlet end of the gas valve using a $3/_{16}$ -in hex wrench. (See Fig. 2, Item 2.)
- 3. Install the 1/8-in x 2-1/2-in nipple where the plug was removed. (See Fig. 4.) Use pipe thread dope or tape (field supplied, must be certified for use with propane gas) for all joints, making sure not to get ay excess in the pipe or valve. Next, install the Propane Pressure Switch as shown in Fig. 4.
- 4. Connect supplied brown jumper wire from terminal "C" on the pressure switch to terminal "MP" on the gas valve as shown in Fig. 4.
- 5. Remove regulator cover screws from gas regulators. (See Fig. 5.) Save regulator cover screws.
- 6. Using a screwdriver, remove plastic adjustment screws from both regulators. (See Fig. 5.) Save plastic adjust screws.

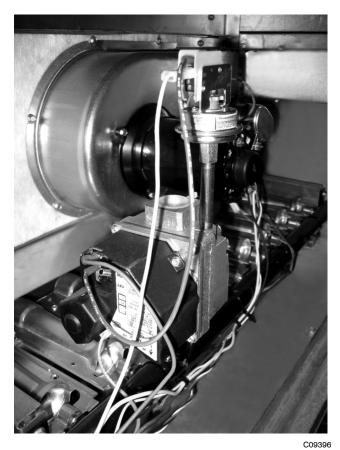
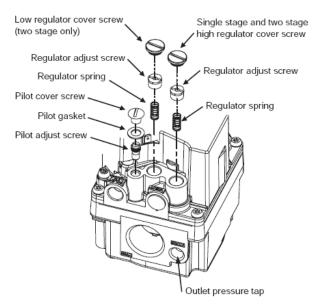


Fig. 4 - Propane Pressure Switch Piping and Wiring

- 7. Remove regulator springs (silver) from gas regulators. (See Fig. 5.) Discard the regulator springs.
- 8. Install propane gas regulator springs (white) shipped with the kit into the gas regulators. (See Fig. 5.)
- 9. Using the plastic adjust screws removed earlier, install one of the screws into the low stage gas regulator, turning it clockwise 13.5 turns. (See Fig. 5.) Install the remaining plastic adjust screw into the low stage gas regulator, turning it clockwise 9.5 turns. Replace regulator cover screws. (See Fig. 5.)



C08241

Fig. 5 - Two-Stage Spring Installation

Step 3 — Re-install Gas Manifold / Valve Assembly

- 1. Remount the gas manifold assembly to the sheet metal side brackets using 2 screws on each end; make sure that the gas orifices are all inserted into the burners. (See Fig. 2.)
- 2. Reconnect the wires to the gas valve, except for the grey wire. Connect the grey wire to the "NO" (Normally Open) terminal on the pressure switch.
- 3. Using wire ties reconnect the wire bundle to the gas manifold making sure that the spark ignitor wire is kept separate and away from the bundle.
- 4. Connect gas piping to the gas valve.
- 5. Attach Propane Conversion Label to gas valve. (See Fig. 2, Item 3 and Fig. 7.)
- 6. Attach Unit Warning Label to burner access panel. (See Fig. 1, Item 5 and Fig. 6.)
- 7. Attach completed Propane Responsibility Label to inside of burner access panel (See Fig. 1, Item 4 and Fig. 8.)
- 8. For High Altitude Propane installations attach Conversion Kit Rating Plate Label to inside of burner access panel. (See Fig. 1, Item 6 and Fig. 10.)
- 9. Leak check all gas connections including the main service connection, gas valve, gas spuds, and manifold pipe plug. All leaks must be repaired before firing unit. NOTE: Test pressure not to exceed 1/2 psi (13.8-in wc).

WARNING

FIRE AND EXPLOSION HAZARD

A

Failure to follow this warning could result in personal injury and/or property damage.

Never test for gas leaks with an open flame. Use a commercially available soap solution made specifically for the detection of leaks to check all connections.

The newly installed low gas pressure switch is a safety device used to guard against adverse burner operating characteristics that can result from low gas supply pressure. Switch opens at not less than 7.2-in. wc and closes at not greater than 10.2-in. wc.

This switch also prevents operation when the propane tank level is low which can result in gas with a high concentration of impurities, additives, and residues that have settled to the bottom of the tank. Operation under these conditions can cause harm to the heat exchanger system. This normally open switch closes when gas is supplied to gas valve under normal Propane operating pressure of 11.0 to 13.0-in.wc. The closed switch completes control circuit. Should an interruption or reduction in gas supply occur, the gas pressure at switch drops below low gas pressure switch setting, and switch opens. Any interruption in control circuit (in which low gas pressure switch is wired) quickly closes gas valve and stops gas flow to burners.

THIS UNIT IS DESIGNED TO OPERATE AT 10.0 ± 0.3" OF MANIFOLD PRESSURE WITH PROPANE GAS. EXCEEDING THIS PRESSURE WILL CAUSE EXPLOSION OR INJURY. 48TM501012 REV. 2

Fig. 6 - Unit Warning Label – Propane Only

THIS UNIT HAS BEEN CONVERTED TO PROPANE GAS WITH FACTORY SUPPLIED PARTS. MANIFOLD PRESSURE, 10.0" W.C.

C09398

Fig. 7 - Propane Conversion Label – Propane Only

THIS FURNACE WAS CONVERTED ON	CÉ GÉNÉRATEUR D'AIR CHAUD A ÉTÉ
	CONVERTI LE POUR JOUR MOIS - ANNEE GAZ DE PÉTROLÉ LIQUÉFIE OU
USINGORIFICE SIZE.	
BY.	PROPANE SI L'ORIFICE EST INDENTIQUE AU TROU D'UN FORÉT N°
<u> </u>	PAR.
(Name and address of organization making this conversion), which accepts the responsibility that this conversion has	
been properly made. 48TM501014 REV-	(Nom et adresse de l' organisme qui a effectué la conversion), qui accepte l' entnere responsabilité de la conversion.

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Fig. 8 - Propane Responsibility Label

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Step 4 — Check Unit Operation and Make Necessary Adjustments

NOTE: Propane gas supply pressure must not be less than **11-in.wc** or greater than **13-in.wc** at the unit connection.

- 1. Remove gas manifold pressure tap plug and connect pressure gauge or manometer. (See Fig. 2, Item 4.)
- 2. Turn on electrical supply.
- 3. Turn on unit main gas valve.
- 4. Set room thermostat to call for heat. Verify high-stage heat operation before attempting to adjust manifold pressure.
- 5. When main burners ignite, check all fittings, manifold, and orifices for leaks.

- 6. Adjust high-stage pressure to 10.0-in. wc by turning the plastic adjust screw clockwise to increase pressure, or, counter-clockwise to decrease to pressure.
- 7. Set room thermostat to call for low-stage heat. Verify the adjust low-stage pressure to 6.6-in. wc.
- 8. Replace regulator cover screws when finished.
- 9. With burner access panel removed, observe unit heating operation in both high stage and low stage operation. Observe burner flames to see if they are blue in appearance, and that the flames are approximately the same for each burner.
- 10. Turn off unit, remove pressure manometer and replace the 1/8-in. pipe fitting on the gas manifold. (See Fig. 2, Item 4.)

WARNING

FIRE, EXPLOSION AND ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury, death and/or property damage.

Gas supply MUST be shut off before disconnecting electrical power and proceeding with conversion.

A WARNING

FIRE AND EXPLOSION HAZARD

A

Failure to follow this warning could result in personal injury and/or property damage.

Never test for gas leaks with an open flame. Use a commercially available soap solution made specifically for the detection of leaks to check all connections.

A WARNING

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

Before installing or servicing system, always turn off main power to system. There may be more than one disconnect switch. Tag disconnect switch with suitable warning label.

HIGH ALTITUDE NATURAL GAS CONVERSION KIT INSTALLATION

Step 1 — Remove Gas Manifold Assembly from Base Unit

- 1. Shut off main gas supply to unit.
- 2. Shut off power to unit and install lockout tag.
- 3. Remove burner access panel.
- 4. Disconnect gas piping at unit gas valve.
- 5. Disconnect and mark wires to gas valve and cut wire tines holding wire bundle to gas manifold.
- 6. Remove the 2 screws on each end of the gas manifold that attached it to the sheet metal side brackets. (See Fig. 2, Item 1.)
- 7. Remove the gas manifold assembly with the gas valve attached.

Step 2 — Modify Gas Manifold Assembly

1. Remove existing gas orifices. Install the new orifices (as shown in Fig. 3) from the gas conversion kit, making sure they match the recommended size from Table 1.

IMPORTANT: Never use Teflon tape to seal gas orifice threads because peeling tape can plug the orifice.

Step 3 — Re-install Gas Manifold Assembly

- 1. Remount the gas manifold assembly to the sheet metal side brackets using 2 screws on each end; make sure that the gas orifices are all inserted into the burners. (See Fig. 2.)
- 2. Reconnect wires to gas valve.
- 3. Using wire ties reconnect the wire bundle to the gas manifold making sure that the spark ignitor wire is kept separate and away from the bundle.
- 4. Connect gas piping to the gas valve.
- 5. Attach completed High Altitude Responsibility Label to inside of service access panel. (See Fig. 1, Item 4 and Fig. 9.)
- 6. Attach Conversion Kit Rating Plate Label to inside of burner access panel. (See Fig. 1, Item 6 and Fig, 10.)
- 7. Leak check all gas connections including the main service connection, gas valve, gas spuds, and manifold pipe plug. All leaks must be repaired before firing unit. NOTE: Test pressure not to exceed 1/2 psi (13.8-in wc).

Step 4 — Check Unit Operation and Make Necessary Adjustments

- 1. Remove manifold pressure tap plug and connect pressure gauge or manometer. (See Fig. 2, Item 4.)
- 2. Turn on electrical supply.
- 3. Turn on unit main gas valve.
- 4. Set room thermostat to call for heat. Verify high-stage heat operation before attempting to adjust manifold pressure.
- 5. When main burners ignite, check all fittings, manifold, and orifices for leaks.
- 6. Adjust high-stage pressure to 3.0-in. wc by turning the plastic adjust screw clockwise to increase pressure, or, counter-clockwise ro decrease pressure.
- 7. Set room thermostat to call for low-stage heat. Verify then adjust low-stage pressure to 2.0-in. wc.
- 8. Replace regulator cover screw(s) when finished.
- 9. With burner access panel removed, observe unit heating operation in both high stage and low stage operation. Observe burner flames to see if they are blue in appearance, and that the flames are approximately the same for each burner.
- 10. Turn off unit, remove pressure manometer and replace the 1/8-in. pipe fitting on the gas manifold. (See Fig. 2, Item 4.)

THIS FURNACE WAS CONVERTED ON	CÉ GÉNÉRATEUR D'AIR CHAUD A ÉTÉ
	CONVERTILE POUR UTILISATION Á UNE ALTITUDE DE
WITH KIT NO	pi ()m AU MOYEN
ВҮ	DE LA TRO_USSE Nº
	PAR
(Name and address of organization making this conversion),	
which accepts the responsibility that this conversion has been properly made. 48TM501015 REV-	(Nom et adresse de l' organisme qui a effectué la conversion), qui accepte l' entnere responsablilité de la conversion.

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CONVERSION KIT RATING PLATE NATURAL GAS HIGH ALTITUDE APPLIES TO MODELS ABTC AND ABNC REFER TO MAIN RATING FOR SPECIFIC WODEL NUMBER. THIS WITH HAS BEEN CONVERTED TO OPERATE WITH MATURAL GAS AT ALTITUDES FOR 3,000 TO 14,000 FEE WITS INSTALLED AT ALTITUDES BELOW 3,000 FEET DO NOT REQUIRE CONVERSION. REFER TO KIT INSTRUCTIONS FOR CONVERSION PROCEDURES. CONVERSION KIT PART NUMBERS: CRNGELEVOJANO FOR 3,000 TO 10,000 FT. ELEVATION CRNGELEVOJANO FOR 3,000 TO 10,000 FT. ELEVATION MANIFOLD PRESSURE: 3,0 IN. W.C. HIGH STAGE WITHUM GAS SUPPLY PRESSURE: 13.0 IN. W.C. REFER TO ALTITUDE COMPENSATION TABLES FOUND IN KIT INSTRUCTIONS FOR REQUIRED INFORMATION TO COMPENSATION. INSTALLATION ALTITUDEFT ORIFICE SIZE INSTALLEDFT ORIFICE SIZE INSTALLEDFT ORIFICE SIZE INSTALLEDFT ORIFICE SIZE INSTALLEDFT OR INSTALLATION ALTITUDEFT OR INSTALLATIONS IN CANNAD. THE INFORMATION TO COMPENS DE CONVERSION GAZ NATUREL A FLAODE OFT (610 M) TO 4,500 FT (1372 M) ABOVE SEA LEVEL. PLAQUE SIGNALÉTIOUE COMPENSATION FOR TRUESS DE CONVERSION GAZ NATUREL A FLAODE OSTIC FT CONVERSION POUR UN FORCTIONNEMENT ALTITUDES FROM 2,000 FT (610 M) TO 4,500 FT (1372 M) ABOVE SEA LEVEL. PLAQUE SIGNALÉTIOUE DE TROUSSE DE CONVERSION GAZ NATUREL A FLAODE OSTIC FT CONVERSION POUR UN FORCTIONNEMENT AL AFLADED SOUT TO CONVERSION POUR UN FORCTIONNEMENT AL AFLADED SOUT FOR THE SOUTO SOUT 10 000 FT 10 000 FT SOUT STALLES FOR SOUT SOUT SOUT TO 1000 FT SOUT STALLES FOR SOUT SOUT TO 000 FT 10 000 FT SOUT SOUT SOUT SOUT SOUT SOUT SOUT SOU	CONVERSION KIT RATING PLATE PROPANE GAS APPLIES TO MODELS 48TC AND 48NC REFER TO MAIN RATING PLATE FOR SPECIFIC MODEL NUMBER. THIS UNIT HAS BEEN CONVERTED TO OPERATE WITH PROPARE GAS AT ALTIDUES FROM CONVERTED TO OPERATE WITH PROPARE GAS AT ALTIDUES FROM CONVERTED TO OPERATE WITH PROPARE GAS AT ALTIDUES FROM CONVERTED TO OPERATE WITH PROPARE GAS CRUPKITSOGNAO FOR 2:000 TO 1:0:000 FT. ELEVATION CRUPELEVOGAGO FOR 2:000 FT. ELEVATION MANIFOLD PRESSURE: 11:0.1 N. W.C. MAXIMUM GAS SUPPLY PRESSURE: 11:0:1 N. W.C. REFER TO ALTITUDE COMPENSATION TABLES FOUND IN KIT INSTRUCTIONS FOR REGUIRED INFORMATION TO COMPLETE THIS SECTION. INSTALLATION ALTITUDE FTO FTO ONIFICE SIZE INSTALLED INPUT RATE AT INSTALLATION ALTITUDE BUDY RATION SHOULD BE DERATED BY 10S FOR ALTITUDES FROM 2:000 FT (610 M) TO 4:500 FT (1312 M) ABOVE SEA LEVEL. PLAQUE SIGNALÉTIQUE DE TROUSSE DE CONVERSION GAZ PROPANE A DES ALTITUDES STUCES AFTC ET 440C SE RÉFÉRER AUX INSTRUCTIONS FORMALETIQUE PRIVELEVOUR UN FONCTIONNEMENT AU GAZ PROPANE A DES ALTITUDES STUCES ENTRE 0 ET 14 0000 FILOS CRUPELEVORADE A DES ALTITUDES STUCES ENTRE 0 ECONVERSION DE ORDETENS CRUPELEVOGAGO POUR ALTITUTES ENTRE 0 000 FILOS CRUPELEVOGAGO POUR ALTITUTES ENTRE 0 000 FILOS CRUPELEVOGAGO POUR ALTITUTES ENTRE 0:000 FILO SOO PIEDS CREPELEVOGAGO POUR ALTITUTES ENTRE 0:000 FILOS
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Fig. 10 - Conversion kit Rating Plate Label

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Table 1 – Altitude Compensation* 15 - 25 Ton Models

NATURAL GAS		NOMINAL HEAT INPUT							
ELEVATION		220k BTUH		310k BTUH		400k BTUH			
Feet	Meters	Orifice Size	Input (btu/hr)	Orifice Size	Input (btu/hr)	Orifice Size	Input (btu/hr)		
0 - 2000	0 – 610	30	220,000	30	310,000	30	400,000		
2000	610	30	202,400	30	285,200	30	368,000		
3000	914	31 ¹	193,600	31 ¹	272,800	31 ¹	352,000		
4000	1219	31 ¹	184,800	31 ¹	260,400	31 ¹	336,000		
5000	1524	31 ¹	176,000	31 ¹	248,000	31 ¹	320,000		
6000	1829	31 ¹	167,200	31 ¹	235,600	31 ¹	304,000		
7000	2134	32 ¹	158,400	32 ¹	223,200	32 ¹	288,000		
8000	2438	32 ¹	149,600	32 ¹	210,800	32 ¹	272,000		
9000	2743	34 ¹	140,800	34 ¹	198,400	34 ¹	256,000		
10000	3048	35 ²	132,000	35 ²	186,000	35 ²	240,000		
11000	3353	37 ²	123,200	37 ²	173,600	37 ²	224,000		
12000	3658	37 ²	114,400	37 ²	161,200	37 ²	208,000		
13000	3962	39 ²	105,600	39 ²	148,800	39 ²	192,000		
14000	4267	39 ²	96,800	39 ²	136,400	39 ²	176,000		

PROPANE GAS		NOMINAL HEAT INPUT							
ELEVATION		220k BTUH		310k BTUH		400k BTUH			
Feet	Meters	Orifice Size	Input (btu/hr)	Orifice Size	Input (btu/hr)	Orifice Size	Input (btu/hr)		
0 - 2000	0 – 610	48 ⁵	220,000	48 ⁵	310,000	48 ⁵	400,000		
2000	610	49 ³	202,400	49 ³	285,200	49 ³	368,000		
3000	914	49 ³	193,600	49 ³	272,800	49 ³	352,000		
4000	1219	49 ³	184,800	49 ³	260,400	49 ³	336,000		
5000	1524	50 ³	176,000	50 ³	248,000	50 ³	320,000		
6000	1829	50 ³	167,200	50 ³	235,600	50 ³	304,000		
7000	2134	50 ³	158,400	50 ³	223,200	50 ³	288,000		
8000	2438	51 ³	149,600	51 ³	210,800	51 ³	272,000		
9000	2743	51 ³	140,800	51 ³	198,400	51 ³	256,000		
10000	3048	52 ⁴	132,000	52 ⁴	186,000	52 ⁴	240,000		
11000	3353	52 ⁴	123,200	52 ⁴	173,600	52 ⁴	224,000		
12000	3658	53 ⁴	114,400	53 ⁴	161,200	53 ⁴	208,000		
13000	3962	53 ⁴	105,600	53 ⁴	148,800	53 ⁴	192,000		
14000	4267	53 ⁴	96,800	53 ⁴	136,400	53 ⁴	176,000		

* As the height above sea level increases, there is less oxygen per cubic ft. of air. Therefore, heat input rate should be reduced at higher altitudes. KIT NO.:

 $XX^1 = CRNGELEV001A00$ $XX^2 = CRNGELEV002A00$

 $XX^3 = CRLPELEV005A00$

 $XX^4 = CRLPELEV006A00$

 $XX^5 = CRLPKIT9001A00$

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Replaces: NEW

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