

# Installation Instructions

DNGASSER006A00

Thru-the Curb Gas Service Connections Accessory for Rooftop Units

18 to 25 Tons

Package Gas Electric Heating and Electric Cooling

**IMPORTANT:** Read these instructions completely before attempting to install the accessory Thru-the-Curb Service Connections.

## PACKAGE USAGE AND CONTENTS


USAGE	QTY	CONTENTS
PGH210-300	1	1 inch Gas Plate
	2	No. 10 Screws

## SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause death, personal injury, or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with the kits or accessories when installing.

Follow all safety codes. Wear safety glasses, protective clothing, and work gloves. Have a fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions included in literature and attached to the unit. Consult local building codes, the current editions of the National Fuel Gas Code (NFGC) NFPA 54/ANSI Z223.1, and the National Electrical Code (NEC) NFPA 70.

In Canada refer to the current editions of the National Standards of Canada CAN/CSA-B149.1 and .2 Natural Gas and Propane Installation Codes, and Canadian Electrical Code CSA C22.1.

Recognize safety information. This is the safety-alert symbol . 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 hazards 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

Thru-the-Curb Gas Service Connection accessory reduces the number of penetrations in the roof. When the thru-the-curb gas accessory is purchased, the gas adapter fitting allows the gas line to come through the side of the roof curb.



## WARNING

### ELECTRICAL OPERATION HAZARD

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

Before performing service and maintenance operations on unit, turn off main power switch to unit. If gas unit, shut off gas supply before shutting off main power.

TAG DISCONNECT SWITCH WITH A SUITABLE LOCK AND WARNING LABEL.

## INSTALLATION

**Prepare Unit for Installation** – The accessory thru-the-curb gas service connection must be installed before the unit is set on the roof curb. Gas connection can be made up to connector, but gas and electrical connections to the unit must be field installed after the unit is installed on the roof curb.

ROOF CURB	HEIGHT	APPLICATION USAGE
DNRFCURB118C00	14 inch	18 to 25 Tons
DNRFCURB119C00	24 inch	

**Install Gas Plate** – The thru-the-curb gas service connection is installed on the roof curb using the two (2) screws provided (see Figure 1). If required for a 1/2 inch FTP gas line, install the bushing provided with the accessory.

**Install Gas Piping** – Unit is equipped for use with type of gas shown on nameplate. Refer to local building codes, or in the absence of local codes, consult the tables in National Fuel Gas Code (NFGC) NFPA 54/ANSI Z223.1 latest year. In Canada, installation must be in accordance with the National Standard CAN/CGA B149.1 and CAN B149.2 Natural Gas and Propane Installation Codes for gas appliances.

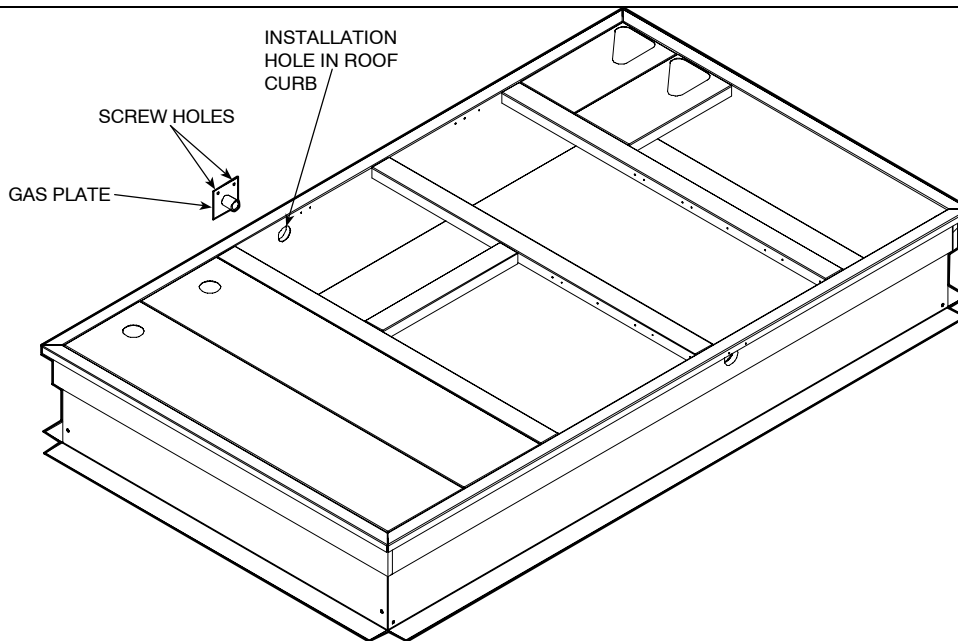
For natural gas applications, gas pressure at unit gas connection must not be less than 5.0 in wc or greater than 13.0 in wc while unit is operating. For liquid propane and high heat applications, the gas pressure must not be less than 5.0 in wc or greater than 13.0 in wc at the unit connection. Size gas supply piping for .5 in wc maximum pressure drop. Do not use supply pipe smaller than unit gas connection.

Pipe the gas line to the gas valve connection. Be sure to include a union, drip leg, and manual shut off.

Support gas piping, see Figure 2 for typical pipe guide and locations of external, manual gas shutoff valve. Once installed, leak check all gas fittings.

**Install the unit on the roof curb** – Follow all appropriate instructions required to install the rooftop unit on the roof curb. See installation instructions provided with the roof curb and unit for more specific information.

**Figure 1** Gas Plate Installation



Representative drawing only, some models may vary.

**Figure 2** Thru-the-Curb Gas Service Connections

