

Installation, Start-Up, and Operating Instructions Sizes 045-155, Series 131

NOTE: Read the entire instruction manual before starting the installation.

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SAFETY CONSIDERATIONS

Installing and servicing heating equipment can be hazardous due to gas and electrical components. Only trained and qualified personnel should install, repair, or service heating equipment.

Untrained personnel can perform basic maintenance functions such as cleaning and replacing air filters. All other operations must be performed by trained service personnel. When working on heating equipment, observe precautions in the literature, on tags, and on labels attached to or shipped with the unit and other safety precautions that may apply.

Follow all safety codes. In the United States, follow all safety codes including the National Fuel Gas Code (NFGC) NFPA No. 54-1992/ANSI Z223.1-1992. In Canada, refer to the current edition of the National Standard of Canada CAN/CGA-B149.1- and .2-M91 Natural Gas and Propane Installation Codes (NSC-NGPIC). Wear safety glasses and work gloves. Have fire extinguisher available during start-up and adjustment procedures and service calls.



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

Understand the signal word DANGER, WARNING, or 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 that **could** result in personal injury or death. CAUTION is used to identify unsafe practices which **would** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions that **will** result in enhanced installation, reliability, or operation.

These instructions cover minimum requirements and conform to existing national standards and safety codes. In some instances, these instructions exceed certain local codes and ordinances, especially those that may not have kept up with changing residential construction practices. We require these instructions as a minimum for a safe installation.

**Table 1—Minimum Clearances To
Combustible Materials (In.)**

UNIT SIZE		045 AND 070	090-155
Sides	Single-Wall Vent	1	0
	Type B-1 Double-Wall Vent	0	0
Back		0	0
Plenum Top		1	1
Vent	Single-Wall Vent	6	6
	Type B-1 Double-Wall Vent	1	1
Front	Single-Wall Vent	6	6
	Type B-1 Double-Wall Vent	3	3
Service		30	30

NOTES: 1. Provide 30-in. front clearance for servicing. An open door in front of the unit can meet this requirement.
2. A minimum clearance of 3 in. must be provided in front of the unit for combustion air and proper operation.

INTRODUCTION

The Model 58PAV, Series 131 Furnace is available in sizes 45,000 through 155,000 Btuh input capacities.

The design of the upflow gas-fired furnace is A.G.A./C.G.A. certified for natural and propane gas and for installation on combustible flooring, in alcoves, attics, basements, closets, or utility rooms. The design of this furnace line is **not** A.G.A./C.G.A. certified for installation in mobile homes, recreation vehicles, or outdoors.

Before installing the furnace, refer to the current edition of the NFGC. Canadian installations must be installed in accordance with