

# INSTRUCTIONS

## REPLACEMENT PROPELLER for DIRECT GAS-FIRED DOORJET HEATERS

FORM NO.  
117301P

### **!! WARNING !!**

The intent of these instructions is to help the **EXPERIENCED, QUALIFIED INSTALLER OR SERVICE AGENCY** for the electrical installation and operation of this type of gas-fired equipment. These instructions may not cover all details or variations in this equipment, or cover every possible situation to be met in connection with the installation/operation. Should problems arise not covered sufficiently in these instructions, the purchaser is advised to contact the Engineering Department (1-800-223-5335 ext.117) for further information. Improper installation/adjustment/alteration/service/maintenance can cause property damage, injury or death. Thoroughly **READ AND UNDERSTAND** the heater manufacturer's instruction manual **BEFORE** installing, servicing, or operating this heater.

ALL WIRING MUST COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL OTHER APPLICABLE CODES, REGULATIONS, AND ORDINANCES.

### **REPLACEMENT PROPELLERS:**

- **P/N: 117154-5**
  - 5 blade propeller assembly
  - for use with heaters rated 750,000 BTUH & below
  - for use with 1-1/2 HP motor
- OR**
- **P/N: 117154-10**
  - 10 blade propeller assembly
  - for use with heaters rated 850,000 BTUH & above
  - for use with 2 HP motor

### **IMPORTANT INFORMATION:**

As of May, 2011, due to changes in the NEMA standards for motor manufacturers, you need to be aware of the following:

1. If you are replacing a propeller on a motor manufactured before the latest changes to the NEMA standards, **IT IS REQUIRED** to use a 3/16" x 1-9/16" long key to align the hub of the propeller on the shaft of the motor.
2. This allows you to position the end of the hub 'flush' with the end of the motor shaft.
3. If you are replacing a propeller on a motor with the latest changes to the NEMA standards, the keyway on the motor shaft is approximately 3/8" shorter in length.
4. This will position the hub of the propeller approximately 3/8" away from the end of the motor shaft.

- **FOR SAFETY REASONS, BEFORE PERFORMING ANY REPAIR WORK OR MAINTENANCE, DISCONNECT AND 'LOCKOUT' THE GAS AND ELECTRICAL SUPPLY BY 'POSITIVE MEANS' TO PREVENT ELECTRICAL SHOCK OR EQUIPMENT DAMAGE.**

- All maintenance and/or repair **MUST** be performed by someone trained and qualified to work on gas and electrical equipment.

### **BASIC HEATER CONFIGURATION**

**DO NOT** attempt to use this propeller assembly other than on the basic configurations as shown below.

Gas controls may or may not be inside a cabinet.

Unsafe operation, property damage, personal injury, or death could result.

