

# RANKIN™

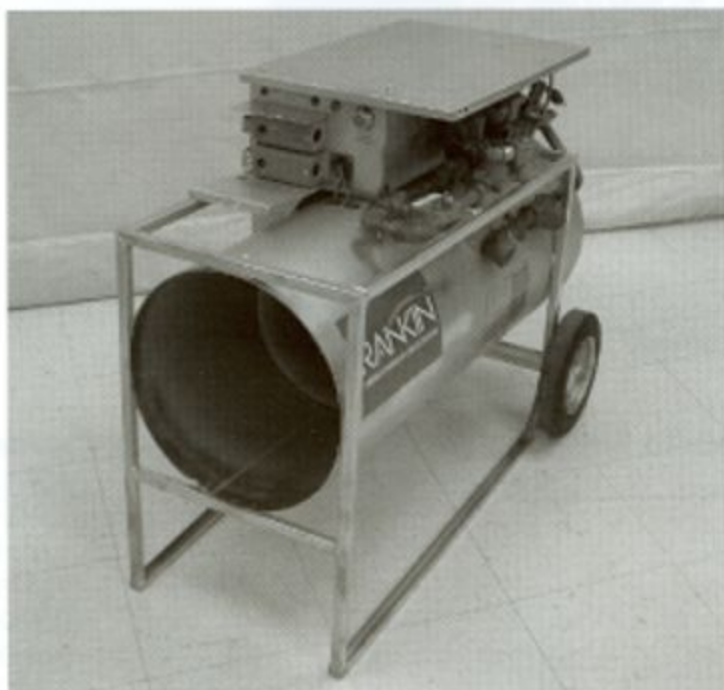
LEADERS IN TEMPORARY CLIMATE SOLUTIONS™

1051 N. MAIN ST. SUITE D • LOMBARD, IL 60148 • (630)620-1300 • (800)966-7100 • FAX (630)620-7810

## ROT-250/MNRC SERIES



Propane & Natural Gas  
Single, Dual & Triple Stage  
CONSTRUCTION HEATERS



ROT-250/MNRCS(W) ROT-250/MNRCD @ T(W)

### ROT-250/MNRCS(W)

PROPANE	NATURAL GAS
N/A	N/A
250,000 BTUH	250,000 BTUH

### ROT-250/MNRCD @ T(W)

PROPANE	NATURAL GAS
200,000 BTUH	160,000 BTUH
250,000 BTUH	260,000 BTUH

LOW HEAT \*\*MINIMUM  
HIGH HEAT\*\*MAXIMUM

UNATTENDED OPERATION PROVIDED BY ELECTRONIC FLAME SAFEGUARD CONTROLS AND SAFETY LIMIT SWITCHES.

# CHECK THESE IMPORTANT FEATURES

## DUAL FUEL \*PROPANE OR NATURAL GAS\*

The ROT-250/MNRC series REXO-THERM construction heaters are designed to operate using HD5 quality propane gas or natural gas fuel. The fuel changeover is accomplished by easily positioning the selector valve for the fuel to be used on the job site.

## SINGLE, DUAL AND TRIPLE STAGE MODELS

All sizes of REXO-THERM construction heaters are available in three models. The "MNRC" (SINGLE STAGE) model operates at maximum input while the thermostat is calling for heat. When the thermostat reaches its preset temperature, the burner flame stops and the fan and motor assembly remain on to circulate air. The burner will restart on thermostat demand.

The "MNRC" (DUAL STAGE) model operates on high-fire while the thermostat is calling for heat. When the ambient temperature reaches the thermostat's preset temperature, the high fire will cycle to low fire stage and the fan will continue to circulate medium warm air.

The "MNRC" (TRIPLE STAGE) model heater is equipped with two thermostats for better temperature control. The "MNRC" model will start and run on high-fire with both thermostats calling for heat. The high-fire thermostat should be set 3 to 5 degrees lower than the low-fire thermostat. The burner flame will revert to low-fire flame when the high-fire thermostat reaches its preset temperature of the low-fire thermostat, the low-fire thermostat will cycle to interrupt the flame down to fan only mode. This model of heater gives you the ability to maximize your fuel savings using the thermostat's far good heat management.

## ELECTRONIC FLAME SUPERVISION

An electronic flame safeguard control is used to monitor the flame on the ROT-250/MNRC series construction heaters. In the event the gas supply is interrupted or the ignition fails, the flame safeguard control will lock out and de-energize the solenoid valves. The flame safeguard control allows 5 seconds trial for ignition period and will lock out if ignition fails and will de-energize the solenoid valves. The flame failure response timing allows 4 seconds until lock out to de-energize the ignition and solenoid valves. This is the requirement of the design standards of the approval agencies. A flame rod sensor is used to monitor the flame. The components in the "SAFETY LIMIT TRAIN" have to prove their safety function before the flame safeguard control can start. The flame safeguard has a 1.5 second pre-purge time which ensures the fan and motor assembly has fully started before the flame safeguard trials for ignition and opens the solenoid valves.

## COMPLETE COMBUSTION

The "PRO-RING" burner is unique to the REXO-THERM heaters. This burner assures emissions of carbon monoxide and carbon dioxide are within acceptable levels to meet the allowable levels in the heater standards.

## SAFETY CONTROLS AND LIMIT SWITCHES

The ROT-250/MNRC series heaters are equipped with electronic flame supervision, flame sensor, DUAL solenoid jockey valves, high limit switch, thermostat(s) with lock box, and appliance regulator.

## ROT-250/MNRC SERIES CONSTRUCTION HEATER SPECIFICATIONS

SPECIFICATION	PROPANE GAS	NATURAL GAS
AIR DISPLACEMENT	1,650CFM	1,650CFM
MOTOR SIZE	1/4 HORSE POWER	1/4 HORSE POWER
ELECTRICAL POWER REQUIRED	115 VOLTS, 60 CYCLES, 3 AMPS	115 VOLTS, 60 CYCLES, 3 AMPS
HIGH HEAT INPUT	250,000 BTUH.	250,000 BTUH.
LOW HEAT INPUT	200,000 BTUH.	150,000 BTUH.
PIPE INLET SIZE	1 INCH N.P.T.	1 INCH N.P.T.
INLET SUPPLY PRESSURE	11" wc	7" wc
GAS CONSUMPTION "HIGH HEAT"	100 CFH	250 CFH
GAS CONSUMPTION "LOW HEAT"	80 CFH	150 CFH
GAS CONSUMPTION "HIGH HEAT"	11.6 LB./HR	N/A
GAS CONSUMPTION "LOW HEAT"	8.3 LB./HR	N/A
WEIGHT **WITH WHEELS**	105 POUNDS	105 POUNDS
OVERALL LENGTH	36 INCHES	36 INCHES
OVERALL HEIGHT	26 INCHES	26 INCHES
OVERALL WIDTH	22-1/2 INCHES	22-1/2 INCHES
THERMOSTAT LOCK BOX	INCLUDED	INCLUDED
CANADIAN APPROVAL STANDARD	CGA 2.14 - 1972	CGA 2.14 - 1972
AMERICAN APPROVAL STANDARD	ANSI Z83.7 - 1993	ANSI Z83.7 - 1993
CLEARANCES TO COMBUSTIBLES	FAN OUTLET*** 15 FEET FAN INLET**** 3 FEET	SIDES*** 2 FEET TOP **** 4 FEET