

# **THERMO-AIR<sup>TM</sup>**

## Fresh Air Heater



- New expanded range
- Capacities from 1 to 12 KW
- Fits from 5" to 12" diameter ducts
- Built-in adjustable electronic duct sensor  
(adjustable from 0°C to 42°C / 32°F to 108°F)
- Equipped with the most advanced Electronic Modulating Controller and Patented Air Flow Sensor
- Just one electrical connection and the unit is ready to perform

Today's airtight homes and offices beg for fresh air. When we trap the heat, excess humidity and indoor pollutants such as cleaning products, smoking and pets, will negatively affect the quality of the air we breathe, making our environment both uncomfortable and unhealthy.

Stale and humid air has to be replaced by fresh air. During winter, the incoming fresh air is at too low a temperature to be comfortable and requires preheating. It is more economical to preheat the incoming air at a specific, **controlled** source than requiring the central system to continually compensate for heat loss.

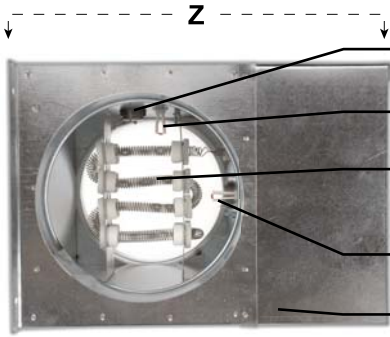
The **THERMO-AIR** heater is designed to complement your heating system by preheating this fresh air at the lowest cost, thus continuously providing **comfortable** ventilation throughout the house.

Equipped with the most advanced **modulating controller** and **air sensor**, the **THERMO-AIR** heater will operate with extremely low air flow (see specifications). The unit uses the minimum amount of energy required to meet your needs. The air flow sensor detects the amount of air flowing through the unit and modulates the heating capacity accordingly, maximizing savings.

The **THERMO-AIR** heater is a quality product engineered for peak performance and long life.



## FEATURES AND SPECIFICATIONS



### Automatic Reset Thermal Cut-out

Safety feature preventing overheating; will reset automatically after cool-off.

### Air Flow Sensor

Modulates the heating capacity according to the quantity of air flowing through the heater.

### Open Coil Elements

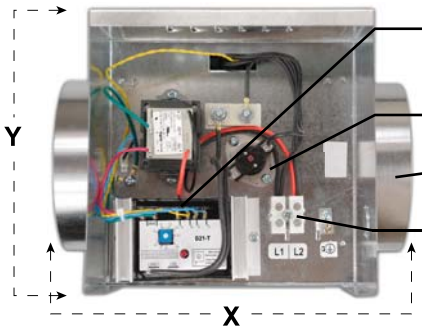
Made of the highest grade nickel-chrome resistance wire, they will not age or oxidize, thus assuring longer heater life.

### Temperature Sensor

Controls the heater proportionally to maintain the pre-set air temperature in the duct.

### Enclosure

Corrosion resistant galvanized steel.



### Built-in Electronic Temperature Controller and Sensor

Proportionally modulates the heating load to match the exact capacity required, thus minimizing operating cost.

### Manual Reset Thermal Cut-out

Additional safety feature which prevents the frame from overheating.

### Round Collars

Simplifies the installation and considerably reduces field labor.

### Terminal Block

Only one electrical connection required through an easily accessible power terminal block.

### DIMENSIONS (3 frame sizes available)

SIZE	X	Y	Z
A	11.5"	8.0"	11.5"
B	11.5"	10.0"	13.5"
C	15.5"	12.0"	15.5"

To specify the model required, follow the example below:

**TER-6-2-240**

COLLAR SIZE — | — VOLTAGE  
KILOWATTS

### AVAILABLE STOCK MODELS:

COLLAR SIZE	KW	VOLTAGE/AMPS	Min. CFM	FRAME SIZE
5" or 6"	1	240V/4.2A or 208V/4.8A or 120V/8.3A	30	A
5" or 6"	2	240V/8.3A or 208V/9.6A or 120V/16.7A	60	A
8" or 10"	3	240V/12.5A or 208V/14.4A	90	B
8" or 10"	4	240V/16.7A or 208V/19.2A	120	B
8" or 10"	5	240V/20.8A or 208V/24.0A	150	B
8" or 10"	6	240V/25.0A	180	B
12"	6	240V/25.0A	180	C
10" or 12"	8	240V/33.3A	240	C
10" or 12"	10	240V/41.6A	300	C
10" or 12"	12	240V/47.9A (11.5KW)	345	C

Specifications are for standard units.

For other sizes, voltages and capacities, please contact your Thermolec representative.

## TYPICAL APPLICATIONS OF THE THERMO-AIR HEATER

