



INDEPENDENT LABORATORY TESTING SERVICES—SINCE 1934

To The Air Conditioning Industry and its Suppliers...

EQUIPMENT TYPES	TEST METHOD	TEST CAPABILITY	SPECIFICATIONS & STANDARDS
• ROOM UNITS, including Heat Pump Operated	CALORIMETRIC	36,000 Btu/hr. Heating or Cooling To 0°F Outdoor Side	ASHRAE 16-56R NEMA CN-1
• UNITARY, including Heat Pump Operated	CALORIMETRIC or PSYCHROMETRIC	36,000 Btu/hr. Heating or Cooling To 0°F Outdoor Side	ASHRAE 37-60 ASHRAE 39-61 ARI 210-62 ARI 250-62 ARI 240-61
• UNITARY	PSYCHROMETRIC	135,000 Btu/hr. Cooling only	ASHRAE 37-60 ARI 210-62 ARI 250-62
• REFRIGERATORS and FREEZERS	_____	8 Units at a time, automatically programmed	ASA B-38.1 ASA B-38.2 ASA B-38.3 NEMA HRF 1-1961
• HUMIDIFIERS	_____	_____	_____
• DEHUMIDIFIERS	_____	_____	NEMA DHI-1958
• WATER COOLERS	_____	_____	ASRE 18-56 ARI 1010-58
• AIR FILTERS Unit and Panel Types	AFI NBS	_____	AFI Sect. 1
• ENVIRONMENTAL and OTHER TESTS TO MILITARY and FEDERAL SPECIFICATIONS			
• POWER SOURCES—DC or AC at any commercial frequency or voltage, single or three phase—3 or 4 wire.			



It pays
to **KNOW** by
ETL TEST

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ETL Bulletin 101
"A Listing of
Services and Facilities"



ELECTRICAL TESTING LABORATORIES, INC.

2 East End Avenue at 79th Street • New York 21, N. Y. • BUTTERFIELD 8-2600

CHEMICAL • ELECTRICAL • ELECTRONIC
PHYSICAL • MECHANICAL • ENVIRONMENTAL
INCLUDING INFRARED SPECTROSCOPY, PHOTOMETRY, RADIOMETRY, SPECTROPHOTOMETRY AND PHOTOMICROGRAPHY



TESTING • INSPECTION
CERTIFICATION

Electromode

Dept. AS-62,
Division of Commercial Controls
Corporation, Rochester 3, N. Y.

Complete line of **ELECTRIC HEATING SYSTEMS**
for **HOME-INDUSTRY-FARM**
ROCHESTER 3, NEW YORK

When you need advice in any field, you consult a specialist. Deciding on a heating system is an important matter—one that you do not undertake very often. Therefore, it is only natural and in the course of wisdom, that you will look to a specialist in this field. For more than 30 years Electromode has devoted its research engineering and manufacturing facilities predominantly to the design and production of electric space heating equipment, and is one of the oldest in the business. The Safety Grid Heating Element is an Electro-

mode feature. All electric wires are insulated, embedded and completely sealed inside a finned aluminum casting. No exposed hot wires, no glowing coils and no danger of fire, shock, or burn. This finned aluminum casting spreads the heat rapidly, resulting in higher efficiency and greater economy. The built-in safety switch automatically prevents overheating. The Safety Grid Heating Element is guaranteed for 5 years against any defect in material or workmanship.

For HOME and OFFICE



Fig. 1



Fig. 2



Fig. 3

Low-LEVEL BASEBOARD HEATERS



Fig. 4



Fig. 5

FLOOR INSERT HEATERS

Mount flush with floor, causing no obstruction in front of windows or in passageways. Install in wood or concrete. See Fig. 4.

RADIANT CABLE HEAT

Coils of cable hidden in ceiling radiate clean heat downward. Each room temperature controlled by separate thermostat. Cables are a measured length of special insulated electric wires; waterproof; non-corrosive. Used in plaster, drywall ceilings, or concrete floors. Magic Seal coating prevents streaks on ceiling. See Fig. 5.

WALL-TYPE HEATERS

Electromode Wall-type Heaters are made in models and capacities suitable for all size rooms, ranging from 1320 to 4000 watts, with built-in thermostat or manual control. Heat is fan-circulated at floor level. All have automatic thermal safety switch. The big room heaters have silver grey finish and can be painted to match decor. The small room or bathroom heaters are available in gleaming chrome or white enamel and are used as complete or auxiliary source of heat. See Figs. 1 and 2.

For INDUSTRY

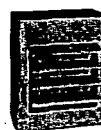


Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

UNIT HEATERS

Unit Heaters available in Suspension-type and Combination Portable and Suspension models. Capacities from 1500 to 45,000 watts. Fine for auxiliary warmth in hard-to-heat areas and for complete heating in outlying buildings. Adjustable louvers for directing fan-circulated heat into working zone. Thermostat control available on all models. See Fig. 6 for Suspension and Fig. 7 for Portable and Suspension. The Electromode Commercial and Industrial heater is specifically designed for quick, comfortable, warmth in factory departments, offices, supermarkets and other areas where in quiet operation an asset. It is easily portable, or it may be mounted on swivel-type brackets. 5KW-240 volts—single or 3 phase—17,075 Btu. See Fig. 8.

EXPLOSION-PROOF HEATERS

Explosion-Proof heaters are specially engineered for installation in hazardous areas where heat is required and danger of explosion exists. They conform to rigid safety specifications and are fully tested and approved by Underwriters Laboratories for use in areas covered in Class I, Group D hazardous locations. Used in places where atmospheres contain gasoline, petroleum, naphtha, solvent vapors, natural gas and where flammable gases etc. are made or stored. Convection type. Three models range from 2000 to 6000 watts. See Fig. 9.

BLAST COILS

Consists of a bank of Electromode cast-aluminum heating elements mounted in a 16 gauge formed steel frame having a 1/4

in. wide flange with 5/16 in. holes on approximately 6 in. centers for mounting to air ducts. Complete wiring diagrams for special applications furnished on request. See Fig. 10.

Electromode Insert Duct Heater (Fig. 11)

Safety and endurance is inherent in its construction. It was designed as a package unit ready for easy installation. The Safety-Grid heating element is your assurance of complete protection against fire, shock or burn. Safety switch automatically breaks the service to the heater in the event of stoppage of air flow through the heater from any cause. It is an automatic reset type.

Engineering help gladly given. For more information, see your supplier or write Dept. HVG-60, Electromode Division of Commercial Controls Corporation.