

EnergyTube® 3

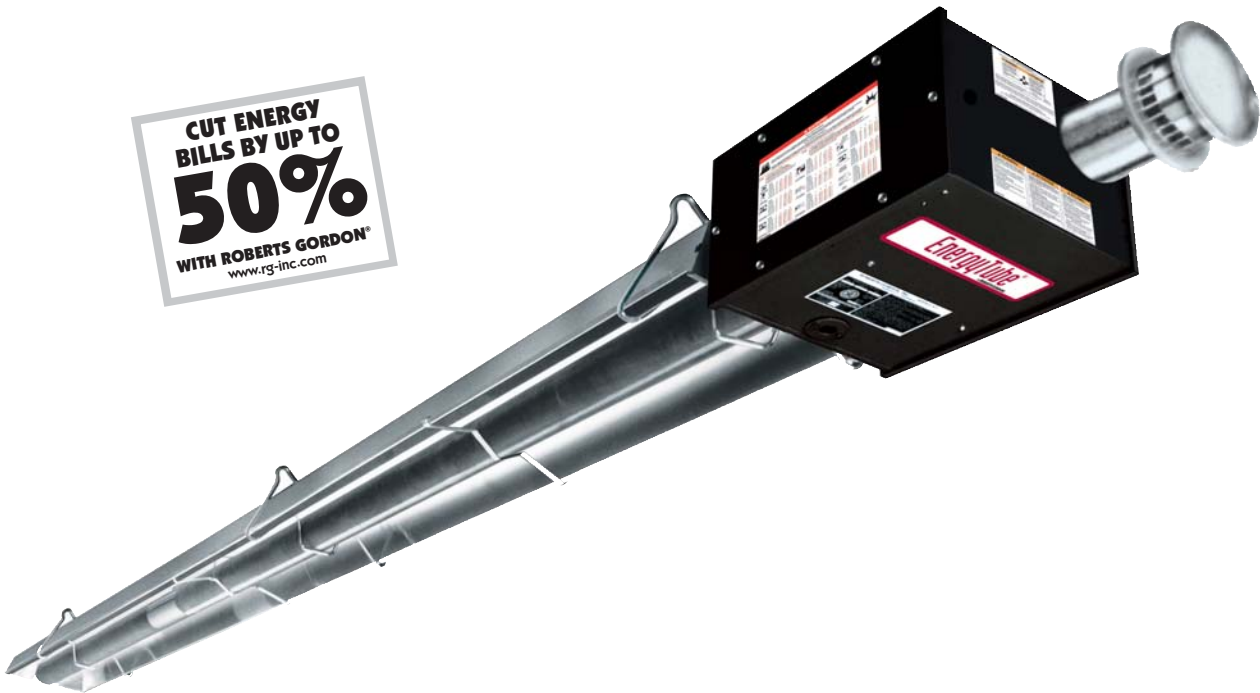
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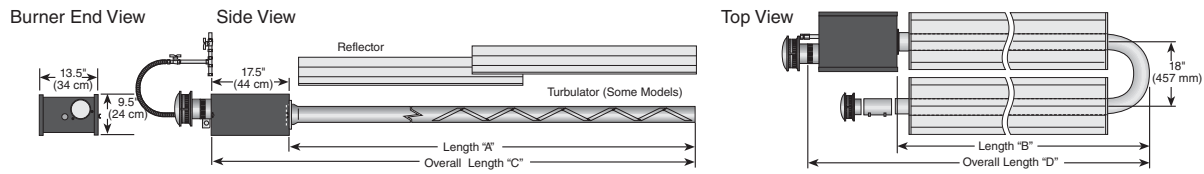
The Infrared Heater Designed for Harsh Environments

**CUT ENERGY
BILLS BY UP TO
50%**
WITH ROBERTS GORDON®
www.rg-inc.com



- Effective in high moisture environments due to durable components
- Burner box enhancements for water resistance
- Approved for indoor and outdoor installations
- Design flexibility achieved with broad range of burner inputs and tube lengths
- Diagnostic capability incorporated in burner design





ENERGYTUBE® 3

| Model | | ET3-40 | ET3-60 | ET3-80 | ET3-100 | ET3-125 | ET3-150 | ET3-175 |
|---------------------------------|------------|--------|--------|--------|---------|---------|---------|---------|
| Length of Straight Tube | [ft, in] A | 10 | 20 | 20 | 30 | 40 | 50 | 60 |
| Length of U-Tube | [ft, in] B | N/A | 11,7 | 11,7 | 16,7 | 21,7 | 26,7 | 31,7 |
| Overall Length of Straight Tube | [ft, in] C | 11,5,5 | 21,5,5 | 21,5,5 | 31,5,5 | 41,5,5 | 51,5,5 | 61,5,5 |
| Overall Length of U-Tube | [ft, in] D | N/A | 13,0,5 | 13,0,5 | 18,0,5 | 23,0,5 | 28,0,5 | 33,0,5 |

| Input | [Btu/h] x [1000] | 40 | 60 | 80 | 100 | 125 | 150 | 175 |
|---|------------------|---|-----|-----|-----|-----|-----|-----|
| Fuel | | Natural Gas (NG) or Propane Gas (LPG) | | | | | | |
| Inlet Pressure [in wc] | NG min. | 4,6 | 4,6 | 4,6 | 4,6 | 4,6 | 4,6 | 5,0 |
| | LPG min. | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | NG & LPG max. | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Gas Connection | NPT | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" |
| Electrical Supply | | 120 V, 60 Hz, 1 A (Run), 5 A (Start) | | | | | | |
| Heat Exchanger Tubing | | 10 ft Sections, 4" dia, 16 Gauge, First 10 ft ALUMI-THERM® Steel Tubing [Remaining Heat Treated Aluminized Steel Tubing] | | | | | | |
| Exhaust Flue | dia | 4" | 4" | 4" | 4" | 4" | 4" | 4" |
| Reflector and End Caps | | .024 Stainless Steel Type 304 [Optional- .024 Aluminum] | | | | | | |
| Control System | | Honeywell® SmartValve® II Combines Gas Valve and Hot Surface Electronic Ignition Control Fully Automatic, Four-Try, 100% Shut-Off, Prepurge, Auto Reset, LED Indicator Status | | | | | | |
| Approved As | | Indoor and Outdoor (Vented or Unvented) | | | | | | |
| Certification | | ANSI Z83.20/CSA 2.34, 2.17, 2.20 | | | | | | |
| Warranty | | Three-Year Limited [Refer to Installation, Operation and Service Manual for Details] | | | | | | |
| Weights | | | | | | | | |
| Burner | [lb] | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| Vent Cap Package Included | [lb] | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Aluminized U-Tube with Aluminum End Caps | [lb] | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| Aluminized U-Tube with Stainless Steel End Caps | [lb] | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

| Overall Length of Tube and Accessory Packages | [ft] | 10 | 20 | 30 | 40 | 50 | 60 |
|--|------|----|-----|-----|-----|-----|-----|
| Aluminized Tube with Aluminum Reflector | [lb] | 52 | 86 | 120 | 161 | 206 | 240 |
| Aluminized Tube with Stainless Steel Reflector | [lb] | 66 | 113 | 152 | 208 | 265 | 304 |

Clearances to Combustibles *[in]

| Model | ET3-40 | | ET3-60 | | ET3-80 | | ET3-100 | | ET3-125 | | ET3-150 | | ET3-175 | | |
|-------|------------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|-----|----|
| | Horizontal | 45° | Horiz. | 45° | Horiz. | 45° | Horiz. | 45° | Horiz. | 45° | Horiz. | 45° | Horiz. | 45° | |
| | A | 6 | 8 | 6 | 8 | 6 | 8 | 6 | 10 | 6 | 10 | 6 | 12 | 8 | 12 |
| | B | 27 | 8 | 35 | 8 | 38 | 8 | 40 | 8 | 46 | 8 | 50 | 8 | 52 | 8 |
| | C | 53 | 51 | 63 | 60 | 66 | 66 | 71 | 74 | 77 | 78 | 80 | 84 | 82 | 85 |
| | D | 27 | 46 | 35 | 54 | 38 | 60 | 40 | 64 | 46 | 69 | 50 | 74 | 52 | 79 |

*Clearances B, C and D can be reduced by 50% for locations 25 ft (7 m) or more downstream of the burner. For other mounting options and associated clearances, complete installation, operation and service criteria, please see the current issue of the Installation, Operation and Service Manual.

Installation Code and Annual Inspections:

All installations and service of ROBERTS GORDON® products must be performed by a contractor qualified in the installation and service of gas-fired heating equipment and conform to all requirements set forth in the ROBERTS GORDON® manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Roberts-Gordon recommends that a qualified contractor annually inspect your ROBERTS GORDON® products and perform service where necessary, using only replacement parts sold and supplied by Roberts-Gordon.

Further Information: Applications, engineering and detailed guidance on systems design, installation and product performance is available through ROBERTS GORDON® representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

This product is not for residential use.

This document is intended to assist licensed professionals in the exercise of their professional judgement.

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