

# VANTAGE<sup>TM</sup>

## ROBERTS / GORDON<sup>®</sup>

### Twin Fire Infrared Heater



**MODEL  
TF**

#### Ideal for Space Heating or High Heat-Loss Applications

- Most effective heat distribution in the unitary infrared market provided by centralized burner location
- Reduced installation cost provided by highest inputs in the infrared industry from one heater - up to 380,000 Btu/h
- Frees valuable workspace with lowest clearances to combustibles, relative to total heater input, in the infrared industry
- Design flexibility with straight, U-tube or L configurations and a wide range of burner sizes and tube lengths
- Minimal heat exposure to valuable electrical components provided by burner box design with protective enclosure for controls

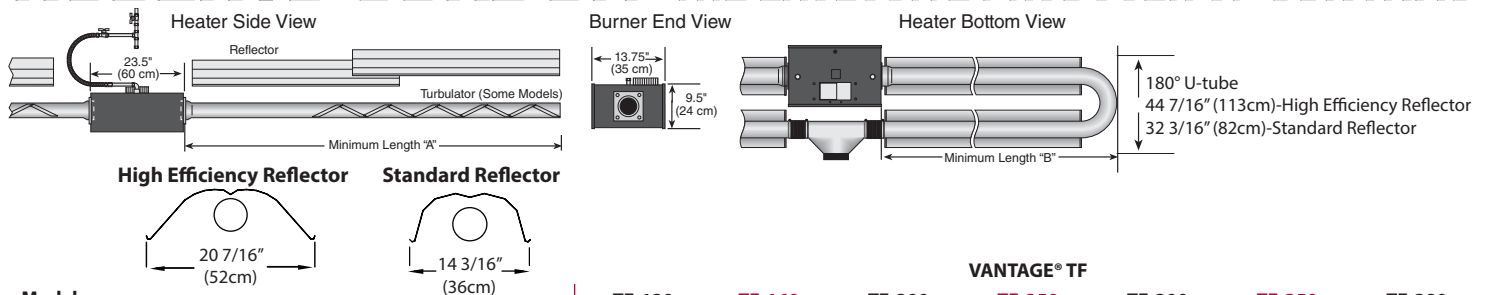


800.828.7450

[www.robertsgordon.com](http://www.robertsgordon.com)

**THE INDUSTRY LEADER**  
**RADIANT**  
**EFFICIENCY<sup>TM</sup>**

# ROBERTS GORDON® THE EXCLUSIVE PRODUCER OF CORAYVAC™



		VANTAGE® TF						
Model		TF-120	TF-160	TF-200	TF-250	TF-300	TF-350	TF-380
Minimum Length of Straight Tube Each Side*	[ft] A	20	20	30	40	50	50	60
Minimum Length of U-Tube Each Side*	[ft, in] B	11, 6	11, 6	16, 6	21, 6	26, 6	26, 6	31, 6
Overall Minimum Length of Straight Tube*	[ft]	42	42	62	82	102	102	122
Overall Minimum Length of U-Tube*	[ft, in]	25, 1	25, 1	35, 1	45, 1	55, 1	55, 1	65, 1

\*For additional lengths, please see the current Installation, Operation and Service Manual

Input (Btu/h) x (1000)		120	160	200	250	300	350	380
Input Per Tube (Btu/h) x (1000)		60	80	100	125	150	175	190
Inlet Pressure	[in wc] min.	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	LPG Propane min.	12	12	12	12	12	12	12
	NG & LPG Propane max.	16	16	16	16	16	16	16
Gas Connection	NPT	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Combustion Air Inlet	dia	4"	5"	5"	5"	5"	5"	5"
Exhaust Flue (Each Side)	dia	4"	4"	4"	4"	4"	4"	4"
Exhaust Flue (Common)	dia	6"	6"	6"	6"	6"	6"	6"

## Weights

Hot Rolled or Aluminized Tube and Accessory Packages (Per Side) [ft]		20	30	40	50	60	70	80
High Efficiency Aluminum Reflector	[lb]	89	124	167	213	248	291	334
Standard Aluminum Reflector	[lb]	86	120	161	206	240	281	322
<b>Burner</b>	[lb]	50						
<b>U-tube Packages</b>								
Aluminized U-tube for High Efficiency Reflector	[lb]	23						
Aluminized U-tube for Standard Reflector	[lb]	19						

## All Models

Fuel	NG or LPG Propane
Electrical Supply	120 V, 60 Hz, 1.0 A
Heat Exchanger Tubing	10 ft Sections, 4" dia, 16 Gauge, First 10 ft each side of burner ALUMI-THERM® Steel Tubing [Remaining Hot Rolled or Heat Treated Aluminized Steel Tubing]
Reflector and End Caps	.024 Aluminum [Optional - .024 Stainless Steel Type 304]
Control System	Honeywell® Dual Spark Fully Automatic, Three-Try, Direct Spark Electronic Ignition Control, 100% Shut-Off
Approved As	Indoor (Vented or Unvented)
Certification	ANSI Z83.20/CSA 2.34, CAN 1-2.20
Warranty	Three-Year Limited (Refer to Installation, Operation and Service Manual for Details)

## Clearances to Combustibles \*\*[in]

Model		TF-120		TF-160		TF-200		TF-250		TF-300		TF-350		TF-380	
Horizontal	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°
A		6	8	6	8	8	12	6	10	6	12	8	12	8	12
B		35	8	38	8	52	10	46	8	50	8	52	8	52	10
C		63	60	66	66	96	85	77	78	80	84	82	85	96	85
D		35	54	38	60	52	79	46	69	50	74	52	79	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.

**These products are not for residential use.**

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

Roberts-Gordon LLC  
1250 William Street  
P.O. Box 44  
Buffalo, NY 14240-0044 USA  
Telephone: +1.716.852.4400  
Fax: +1.716.852.0854  
Toll Free: 800.828.7450  
www.robertsgordon.com

