

# GORDONRAY®

## ROBERTS GORDON®

### Dual Fire Infrared Heater



## MODEL DF

#### Two Distinct Fire Rates Provide Effective Heat Control Resulting in Fuel Savings

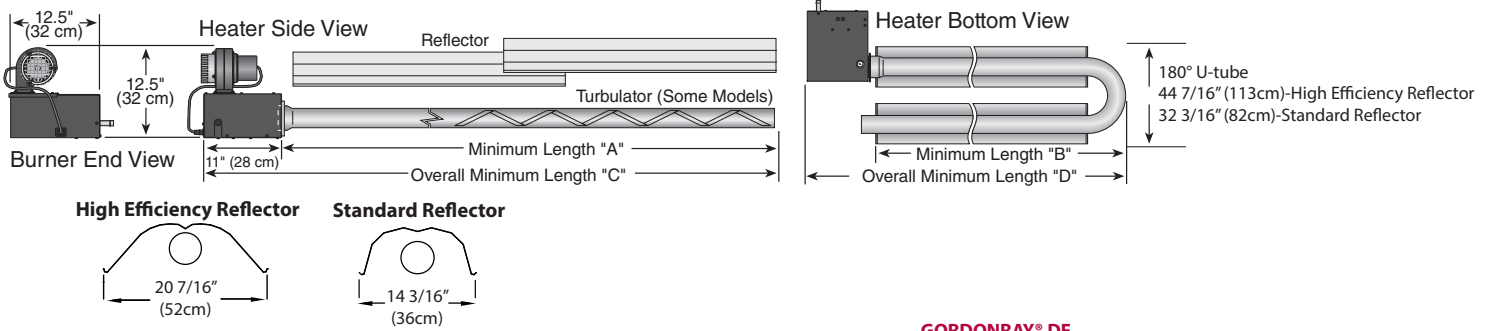
- Two stage technology produces a comfortable heat pattern provided by the ability to fire at two distinct rates
- External LED burner status lights indicating high or low operation
- Durable components provide reliable long lasting performance
- Flexible layout options included both L – and U-tube configurations along a broad range of burner sizes and tube lengths
- Clean, quiet draft-free comfort



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THE INDUSTRY LEADER  
**RADIANT**  
EFFICIENCY™

# ROBERTS GORDON® THE EXCLUSIVE PRODUCER OF GORDONRAY™



		GORDONRAY® DF					
Model		DF-80	DF-100	DF-125	DF-150	DF-175	DF-200
Minimum Length of Straight Tube*	[ft, in] A	20	30	30	40	40	50
Minimum Length of U-Tube*	[ft, in] B	11, 7	16, 7	16, 7	21, 7	21, 7	26, 7
Overall Minimum Length of Straight Tube*	[ft, in] C	20, 11	30, 11	30, 11	40, 11	40, 11	50, 11
Overall Minimum Length of U-Tube*	[ft, in] D	12, 6	17, 6	17, 6	22, 6	22, 6	27, 6

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

<b>Input (Btu/h) x (1000) High</b>		<b>80</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>175</b>	<b>200</b>
<b>Input (Btu/h) x (1000) Low</b>		<b>55</b>	<b>70</b>	<b>85</b>	<b>105</b>	<b>120</b>	<b>130</b>
Inlet Pressure	[in wc] NG min.	4.6	4.6	4.6	4.6	5	5
	NG max.	14	14	14	14	14	14
Gas Connection	NPT	½"	½"	½"	¾"	¾"	¾"
Combustion Air Inlet	dia	4"					
Exhaust Flue	dia	4"					
<b>Weights</b>							
<b>Aluminized Tube and Accessory Packages [ft]</b>		<b>20</b>	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>	<b>70</b>
High Efficiency Aluminum Reflector	[lb]	89	124	167	213	248	291
Standard Aluminum Reflector	[lb]	86	120	161	206	240	281
<b>Burner</b>	[lb]	29					
<b>U-tube Packages</b>							
Aluminized U-tube for High Efficiency Reflector	[lb]	23					
Aluminized U-tube for Standard Reflector	[lb]	19					
Fuel		NG Only					
Electrical Supply		120 V, 60 Hz, 1 A					
Thermostat		Two Stage Required (Not Included with Heater) (Connection - Built-In Receptacle on Burner)					
Heat Exchanger Tubing		10 ft Sections, 4" dia, 16 Gauge, First 10 ft ALUMI-THERM® Steel Tubing [Heat Treated Aluminized or Double Porcelain Coated Steel Tubing]					
Reflector and End Caps		.024 Aluminum [Optional - .024 Stainless Steel Type 304]					
Control System		Fully Automatic, Three-Try, 100% Shut-Off, Direct Spark Electronic Ignition Control, Dual Stage Firing Rate					
Approved As		Indoor (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)					

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

Model	Horizontal	45°	DF-80		DF-100		DF-125		DF-150		DF-175		DF-200	
			Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°
	A		6	8	6	10	6	10	6	12	8	12	8	12
	B		38	8	40	8	46	8	50	8	52	8	52	10
	C		65	65	70	73	76	77	79	83	82	85	96	85
	D		38	60	40	64	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.**

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