

HEATRITE™



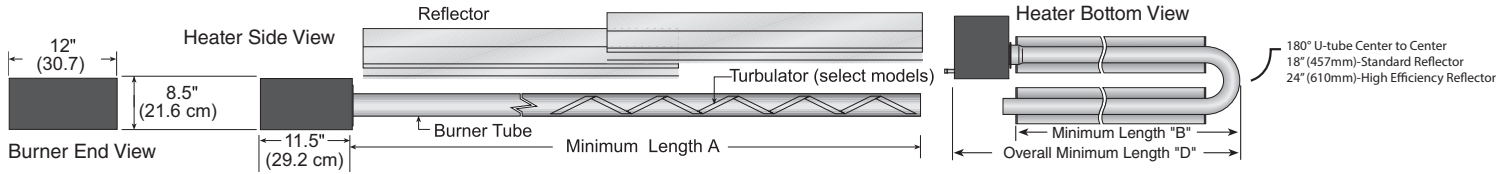
Heat-Rite™ ES

Long-Lasting Durable Heater for
Cost-Effective Climate Control

- Produces a comfortable even heat pattern throughout the space improving livestock performance while reducing fuel consumption
- Increased radiant spread from wide pattern reflector
- Sealed control housing with durable components provides long lasting performance and low maintenance
- Clean, quiet draft-free comfort



Performance You Can Count On



Model		ES-80	ES-100	ES-125	ES-150
Minimum Length of Straight Tube*	[ft, in] A	20	30	40	50
Overall Minimum Length of Straight Tube*	[ft, in] C	20, 11	30, 11	40, 11	50, 11
Overall Minimum Length of Straight Tube*	[ft, in] C	20, 11	30, 11	40, 11	50, 11
Overall Minimum Length of U-Tube*	[ft, in] D	12, 6	17, 6	22, 6	27, 6

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

Input (Btu/h) x (1000)		80	100	125	150
Inlet Pressure	[in wc] NG min.	4.6	4.6	4.6	4.6
	LPG Propane min.	11	11	11	11
	NG & LPG Propane max.	14	14	14	14
Gas Connection	NPT	½"	½"	½"	¾"
Combustion Air Inlet	dia	4"			
Exhaust Flue	dia	4"			
Weights					
Aluminized Tube and Accessory Packages [ft]		20	30	40	50
Aluminized High Efficiency Reflector	[lb]	89	124	167	213
Aluminized Standard Reflector	[lb]	86	120	161	206
Burner	[lb]	20			
U-tube Packages					
Aluminized U-Tube For High Efficiency Reflector	[lb]	23			
Aluminized U-Tube For Standard Reflector	[lb]	19			
Fuel		NG or LPG Propane			
Electrical Supply		120 V, 60 Hz, 1 A			
Heat Exchanger Tubing		10 ft Sections, 4" dia, 16 Gauge, First 10 ft ALUMI-THERM® Steel Tubing [Remaining Heat Treated Aluminized 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, LED Burner Status Light			
Approved As		Indoor (Vented or Unvented)			
Certification		ANSI Z83.20/CSA 2.34, 2.17, 2.20			

Clearances to Combustibles **[in]

Model	*45°	ES-80		ES-100		ES-125		ES-150	
		Horiz.	45°	Horiz.	45°	Horiz.	45°	Horiz.	45°
	A	6	8	6	10	6	10	6	12
	B	38	8	40	8	46	8	50	8
	C	66	66	71	74	77	78	80	84
	D	38	60	40	64	46	69	50	74

*45° reflector tilt N/A with wide pattern reflectors

**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.

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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