ROBERTS GORDON® ENERGYTUBE For Agricultural Applications



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





800.828.7450 www.robertsgordon.com

ROBERTS GORDON[®] INFRARED HEATING

12 Heater Slote Very Heater Slote Very 100 '1 Use 115' (11 Smm) High Efficiency Reflector 12 310' (13 Smm) High Efficiency Reflector 12 Smm) High Efficiency Reflector 12 Smm High						,						
(0,7) (1,8,cm) (2,9,cm) (1,8,cm) (1,18,cm)	Reflector	Heater Bottom View										
(2) 1	12											
Image: End View 11.5 - Univer Tube Minimum Length A 12.2 /1 / / (G2cm)-Standard Reflector High Efficiency Reflector Standard Reflector 10.2 / / / (G2cm)-Standard Reflector High Efficiency Reflector Standard Reflector ENERCYTUBE* AG Model AG-40 AG-60 AG-80 AG-125 AG-150 AG-175 Minimum Length of Straight Tube* Ift. inj A 10 20 20 30 40 50 60 Minimum Length of U-Tube* Ift. inj A 10 20 20 30 40 50 60 Minimum Length of U-Tube* Ift. inj A 10 20 20 30 40 50 60 Vereall Minimum Length of U-Tube* Ift. inj B N/A 13, 0.5 12, 6 17, 6 22, 6 27, 6 33, 0.5 **oreal ditaminal lengths, please see the current installation, Operation and Service Manual IPS Propane min. 11<			-Turbulator (seled	ct models)	(n)-High Efficiency Reflector				
Burner End View Classes		\checkmark	\sim)							
Burner Lengent Image: Second Control Image: Second Control High Efficiency Reflector Standard Reflector Jozanni Langent of Straight Tube* Int a Ji fe' Minimum Length of Straight Tube* Ift, inl A Minimum Length of Straight Tube* Ift, inl B Minimum Length of Straight Tube* Ift, inl B Minimum Length of Straight Tube* Ift, inl D Noreall Minimum Length of U-Tube* Ift, inl D Noreall Minimum Length of Distraight Tube* Ift, inl D Noreall Minimum Length of Distraight Tube* Ift, inl D Noreall Minimum Length of Distraight Tube* Ift, inl D Noreall Minimum Length of Distraight Tube* Ift, inl D Noreall Minimum Length of Distraight Tube* Ift, inl D Noreall Minimum Length of Distraight Tube* Ift, inl D Noreall Minimum Length of Distraight Tube* Ift, inl D Indet Resource Ift Distraight Tube* Indet Resource Ift Distraight <td>Burner Tube</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>¥</td> <td></td>	Burner Tube						¥					
Model AG-40 AG-60 AG-80 AG-100 AG-125 AG-150 AG-175 Minimum Length of Straight Tube* (Ti, In) A 10 20 20 30 40 50 60 Minimum Length of Straight Tube* (Ti, In) A 10 20 20 30 40 50 60 Minimum Length of Straight Tube* (Ti, In) A 11.7 11.7 16.7 21,7 26,7 31.7 Overall Minimum Length of Straight Tube* (Ti, In) D N/A 13,0.5 12,6 17.6 22,6 27,6 33,0.5 Overall Minimum Length of Urube* (Ti, In) D N/A 13,0.5 12,6 17,6 22,6 27,6 33,0.5 Overall Minimum Length of Urube* (Ti, In) D N/A 13,0.5 12,6 17,6 22,6 27,6 33,0.5 Overall Minimum Length of Urube* (Tin vc) NG mini 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 <td>Burner End View (29.2 cm)</td> <td>nimum Length A</td> <td></td> <td></td> <td> Overall Minimum L </td> <td>ength "D"></td> <td></td> <td></td>	Burner End View (29.2 cm)	nimum Length A			 Overall Minimum L 	ength "D">						
Image: figure	High Efficiency Reflector Standard Reflector											
Minimum Length of Straight Tube* (ft, in) A To 20 20 30 40 50 60 Minimum Length of UTube* (ft, in) B N/A 11.7 11.7 16, 7 21, 7 26, 7 31.7 Overall Minimum Length of UTube* (ft, in) D N/A 13, 0.5 12, 6 17, 6 22, 6 27, 6 33, 0.5 *For additional lengths, please see the current installation, Operation and Service Manual. 40 60 80 100 125 150 175 Inlet Pressure [in wc] NG min. 46 4.6 4.6 4.6 4.6 5 5 Inlet Pressure [in wc] NG min. 4.6<		ENERGYTUBE° AG										
Minimum Length of U-Tube* (ft, in) B N/A 11.7 11,7 16,7 21,7 26,7 31.7 Overall Minimum Length of Straight Tube* (ft, in) C 11,5.5 21,5.5 20,11 30,11 40,11 50,11 61,5.5 Overall Minimum Length of U-Tube* (ft, in) D N/A 13,0.5 12,6 17,6 22,6 27,6 33,0.5 ** for additional lengths, please see the current Installation, Operation and Service Manual. 11,0 125 150 175 Inlet Pressure (in wc) NG min. 4.6 4.6 4.6 4.6 4.6 5 LPG Propane min. 11 12 0 0 0 0 0 0 <	Model	AG-40	AG-60	AG-80	AG-100	AG-125	AG-150	AG-175				
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*For additional lengths, please see the current Installation, Operation and Service Manual. Input (Btu/h) x (1000) 40 60 80 100 125 150 175 Inlet Pressure [in wc] NG min. 4.6 4.6 4.6 4.6 4.6 5 Inlet Pressure [in wc] NG min. 11 12 14 16 23 26 <			,		,	,						
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NG & LPG Propane max. 14 </td <td>· · · · · · · · · · · · · · · · · · ·</td> <td>4.6</td> <td>4.6</td> <td>4.6</td> <td>4.6</td> <td>4.6</td> <td>4.6</td> <td>5</td>	· · · · · · · · · · · · · · · · · · ·	4.6	4.6	4.6	4.6	4.6	4.6	5				
Gas Connection NPT ½" ½" ½" ½" ¾" ¾" ¾" Combustion Air Inlet dia 4" 4"	LPG Propane min	11	11	11	11	11	11	11				
Combustion Air Inletdia 4" 4"Exhaust FluediaWeights4"Aluminized Tube and Accessory Packages[ft]10203040506070Aluminized Tube and Accessory Packages[ft]10203040506070Aluminized High Efficiency Reflector[lb]5489124167213248291Aluminized Standard Reflector[lb]5286120161206240281Burner[lb]200000000U-tube Packages192319191919191910 <td< td=""><td>NG & LPG Propane max.</td><td>14</td><td>14</td><td>14</td><td>14</td><td>14</td><td>14</td><td>14</td></td<>	NG & LPG Propane max.	14	14	14	14	14	14	14				
Exhaust Flue dia 4" Weights Interface Interfan	Gas Connection NPT	1⁄2"	1⁄2"	1⁄2"	1⁄2"	1⁄2"	3⁄4"	3⁄4"				
WeightsAluminized Tube and Accessory Packages [ft]10203040506070Aluminized High Efficiency Reflector[lb]5489124167213248291Aluminized Standard Reflector[lb]5286120161206240281Burner[lb]20U-tube PackagesAluminized U-tube for High Efficiency Reflector[lb]1952525410101010FuelNG or LPG PropaneIso	Combustion Air Inlet dia	-										
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Aluminized High Efficiency Reflector [Ib] 54 89 124 167 213 248 291 Aluminized Standard Reflector [Ib] 52 86 120 161 206 240 281 Burner [Ib] 20 20 20 20 20 20 200 U-tube Packages 20 20 20 20 20 20 20 Aluminized U-tube for High Efficiency Reflector [Ib] 23 24 161 206 240 281 Fuel NG or LPG Propane 20 20 20 20 20 20 20 Fuel NG or LPG Propane 20	Weights											
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Aluminized Standard Reflector Ib 52 86 120 161 206 240 281 Burner Ib 20 20 200 <td>Aluminized High Efficiency Reflector [Ib]</td> <td>54</td> <td>89</td> <td>124</td> <td>167</td> <td>213</td> <td>248</td> <td>291</td>	Aluminized High Efficiency Reflector [Ib]	54	89	124	167	213	248	291				
U-tube PackagesIbAluminized U-tube for High Efficiency Reflector[lb]23Aluminized U-tube for Standard Reflector[lb]19FuelNG or LPG PropaneElectrical Supply120 V, 60 Hz, 1 AHeat Exchanger Tubing10 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 [Optional024 Stainless Steel Type 304]Control SystemFully Automatic, Three-Try, 100% Shut-Off, Direct Spark Electronic Ignition Control, LED Burner Status LightApproved AsIndoor (Vented or Unvented)CertificationANSI Z83.20/CSA 2.34, 2.17, 2.20	5 ,		86	120	161	206	240	281				
U-tube PackagesImage: Constraint of the c	Burner [lb]	20										
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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 [Optional024 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	Fuel	NG or LPG Propane										
[Remaining Heat Treated Aluminized Steel Tubing]Reflector and End Caps.024 Aluminum [Optional024 Stainless Steel Type 304]Control SystemFully Automatic, Three-Try, 100% Shut-Off, Direct Spark Electronic Ignition Control, LED Burner Status LightApproved AsIndoor (Vented or Unvented)CertificationANSI Z83.20/CSA 2.34, 2.17, 2.20	Electrical Supply	120 V, 60 Hz, 1 A										
Reflector and End Caps.024 Aluminum [Optional024 Stainless Steel Type 304]Control SystemFully Automatic, Three-Try, 100% Shut-Off, Direct Spark Electronic Ignition Control, LED Burner Status LightApproved AsIndoor (Vented or Unvented)CertificationANSI Z83.20/CSA 2.34, 2.17, 2.20	Heat Exchanger Tubing											
Approved As Indoor (Vented or Unvented) Certification ANSI Z83.20/CSA 2.34, 2.17, 2.20	Reflector and End Caps	.024 Aluminum [Optional024 Stainless Steel Type 304]										
Certification ANSI Z83.20/CSA 2.34, 2.17, 2.20	Control System	Fully Automatic, Three-Try, 100% Shut-Off, Direct Spark Electronic Ignition Control, LED Burner Status Light										
	Approved As	Indoor (Vented or Unvented)										
Warranty Three-Year Limited (Refer to Installation, Operation and Service Manual for Details)	Certification	ANSI Z83.20/	CSA 2.34, 2.17, 2	2.20								
	Warranty	Three-Year Li	mited (Refer to	Installation, O	peration and Serv	vice Manual fo	r Details)					

Clearances to Combustibles **[in]

Model			AG-40		AG-60		AG-80		AG-100		AG-125		AG-150		AG-175	
Horizontal	*45°		Horiz.	45°												
	1	А	6	8	6	8	6	8	6	10	6	10	6	12	8	12
	Ĵ	В	27	8	35	8	38	8	40	8	46	8	50	8	52	8
		с	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

*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.

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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