

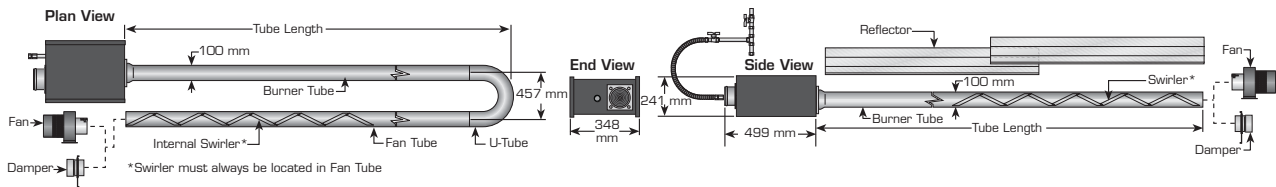
Blackheat® HE U-Tube and Linear

Low-intensity
Radiant Heaters
for Poultry



IP55
PROTECTED
BURNER BOX

- Reduced obstructions during chick placement and load out because of high ceiling installation
- Minimal maintenance costs due to protection of internal burner components against dust and water
- Increased energy efficiency from heating floors and objects, rather than the air
- Longer heater life provided by durable components such as heat treated aluminised tube
- Even floor temperatures for optimal chick performance and growth from infrared energy



Model	BLACKHEAT® HE U-Tube								BLACKHEAT® HE Linear							
	HE15UT	HE20UT	HE25UT	HE30UT	HE35UT	HE40UT	HE45UT	HE50UT	HE15ST	HE20ST	HE25ST	HE30ST	HE35ST	HE40ST	HE45ST	HE50ST
Input [kW]	15	20	25	30	35	40	45	50	15	20	25	30	35	40	45	50
Overall Length [mm]	4048	5572	5572	7096	7096	7096	8620	8620	6887	9935	9935	12983	12983	13028	16076	16076
Weight [kg]	39	54	54	65	65	66	96	96	41	55	55	68	68	68	81	81
Gas Consumption [m ³ /h]*																
NG [G20]	1.4	1.9	2.4	2.9	3.4	3.8	4.3	4.8	1.4	1.9	2.4	2.9	3.4	3.8	4.3	4.8
NG [G25]	1.7	2.2	2.8	3.3	3.9	4.4	5.0	5.5	1.7	2.2	2.8	3.3	3.9	4.4	5.0	5.5
LPG Butane [G30]	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4
LPG Propane [G31]	0.6	0.8	0.9	1.1	1.3	1.5	1.7	1.9	0.6	0.8	0.9	1.1	1.3	1.5	1.7	1.9
Fuel	NG (G20, G25), LPG Propane or LPG Butane (G30, G31)															
Inlet Pressure [mbar] NG min.	(G20) - 15, (G25) - 17.5															
LPG min.	Butane (G30) and Propane (G31) - 32.5															
NG & LPG max.	50															
Heat Exchanger Tubing	3 m Sections, 100 mm dia, 16 Gauge, First 3 m Aluminised Steel Tubing (Remaining Heat Treated Aluminised Steel Tubing)															
Gas Connection [ISO 7-Rp]	½"															
Electrical Supply	230 V, 50 Hz, 1 Ø, 1 A															
Electrical Connection	Minimum IP55 Junction Box															
Burner	IP55 Protected (Optional Stainless Steel)															
Exhaust Flue [mm]	100															
Outside Air Supply	Mandatory															
Reflector and End Caps	NS3H14 Aluminium (or 1.4016 2R Stainless Steel as Option)															
Ignition	Fully Automatic, Single Try, Direct Spark, 100% Shut Off, Ignition Flame Rectification Module															
Approved As	Flueless or Flued															
CE Standard	EN 416															
Accessories	Optional Lockout Indication (Volt Free Contacts)															

*Based on Gross Calorific Value

Clearances to Combustibles ** [mm]

Model	HE15UT	HE20UT	HE25UT	HE30UT	HE35UT	HE40UT	HE45UT	HE50UT	Model	HE15ST	HE20ST	HE25ST	HE30ST	HE35ST	HE40ST	HE45ST	HE50ST
Horizontal 	150	150	150	150	150	150	200	200		150	150	150	150	150	150	200	200
	890	970	970	1020	1170	1220	1270	1380		890	970	970	1020	1170	1220	1280	1330
	1580	1730	1730	1910	1980	2050	2110	2210		1570	1650	1650	1780	1930	1970	2010	2080
	760	940	940	1000	1090	1150	1200	1300		890	970	970	1020	1170	1220	1280	1330
45° 	200	200	200	200	200	200	200	200		200	200	200	250	250	275	300	300
	200	200	200	200	200	200	200	200		200	200	200	200	200	200	200	200
	1500	1650	1650	1860	1960	2040	2110	2160		1500	1660	1660	1860	1960	2030	2110	2160
	1070	1170	1170	1320	1550	1620	1680	1780		1370	1520	1520	1630	1750	1820	1880	2000

**Clearances B, C and D can be reduced by 50% for locations 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 products sold and supplied by Roberts-Gordon 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 ROBERTS GORDON® replacement parts.

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.

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