

# High Pressure Radiant Brooder Heater Specifications

Model Numbers:	I-5	I-17
Btu/h Rating (maximum input):	5,200	17,100
Pig Coverage		
Farrowing:	–	–
Nursery/Wean to Finish:	30 pigs	170 pigs
Area Covered (sq. ft.):	45	255
Installation Height (ft.):	3	5
Heater Configurations Available:		
Spark Ignition**	–	Yes
Manual Ignition	Yes	Yes
Fuel Consumption (max.):		
Liquid Propane Gas (lbs./hr.)	0.24	0.80
Natural Gas (cu. ft./hr.)	–	17.1
Inlet Gas Supply Pressure:		
Propane (psig)	5	5
Natural Gas (psig)	–	5
Ventilation (cfm):	61	200
Temperature Controls Available:		
Individual Thermostat**	–	Yes
Manual Zone (panel sold separately)	Yes	Yes
Automated Zone Control*	Yes	Yes
Electrical Requirements (Voltz / Hz / Phase):		
Spark Ignition**	–	120 / 60 / 1
Manual Ignition	–	–
Minimum Clearance to Combustibles (ft.):		
Top	2.5	3.0
Side	3.0	3.0
Below	3.0	3.5
Dimensions (in.): Height	4.5	8.75
Reflector Diameter	11.4	16.9
Net Weight: (lbs.)	1.7	5.9 / 9.2
1/4” x 6 ft. Gas Hose (available up to 25ft.)	Optional	Optional
Regulator (Zone Control Panel):	Optional	Optional
Inlet Air Filter:	Standard	Optional

\* When used with a house environmental control, it can be operated as an on/off or multiple-stage heating system. 115 VAC/60HZ is required.  
\*\* Integrated with individual units.



**Innovative Climate Solutions**  
411 Mason Street, Onalaska, WI 54650  
800 345 7200 (toll free) or 608 783 5691  
608 783 6115 (fax)  
info@lbwhite.com | www.lbwhite.com

**Your L.B. White Dealer:**

© 2024 L.B. White Company  
All rights reserved.  
All specifications are subject  
to change without notice.



## HIGH PRESSURE Radiant Brooder Heaters

I-5  
I-17

The best value in high quality,  
dependable swine confinement heating.

## THE RADIANT HEATING SOLUTION FOR HEALTHIER PIGS ...and up to **40% fuel savings!**

Improves production and profitability in swine environments  
with heat efficiency, range of heat outputs, flexible installation  
and proven reliability.



**Introducing Smart Sense<sup>®</sup>**  
automated zone control

800-345-7200 / 608-783-5691  
www.lbwhite.com

# High Pressure Radiant Brooder Heater

## More Efficient Heat for Less Fuel

Our unique design delivers more radiant energy to the ground than other heating solutions. This means you get a broader, more consistent heat pattern with less fuel. Your pigs stay warm, so they eat more and grow faster. And you save money because you're providing better heating with less fuel.



### Larger, More Consistent Comfort Zone

By creating a broader comfort zone with even heat distribution and no dead spots, it also helps you improve your productivity and reduce time to market through:

- Healthier lying patterns that minimize piling
- Better rates of gain
- Lower mortality
- Lower feed and medical costs

Based on independent testing, the 17,100 Btu/h the I-17 provided coverage for 170 weaner pigs within a typical 90 to 92 degree comfort zone compared to only 150 pigs covered by a competitive radiant product. What's more, the I-17 uses 20% less fuel than the competitive model to deliver the larger coverage area.



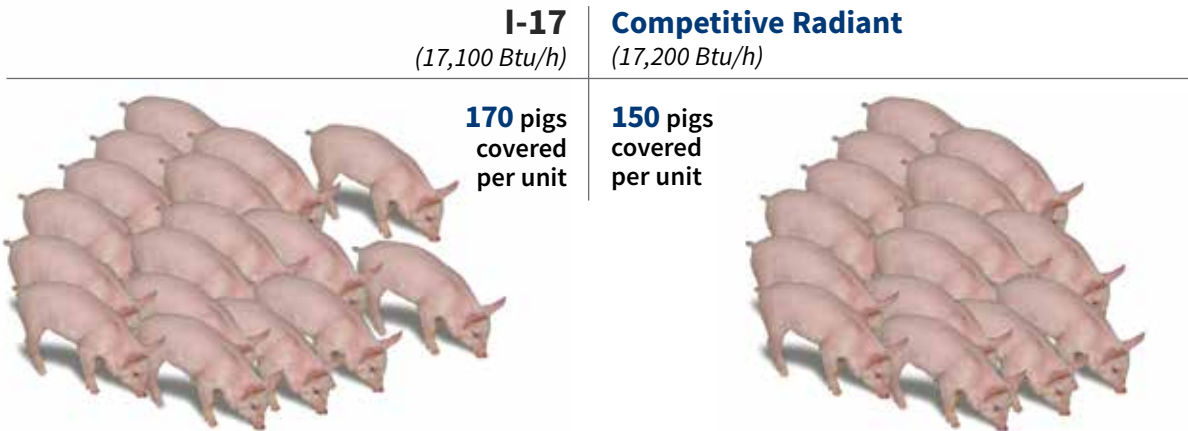
The heat efficiency and larger comfort zone help you deliver bigger, healthier pigs to market in less time for less money.



### Lower Fuel Costs

Beyond providing a healthier growing environment for your pigs, it can save you significant money on your energy costs – up to 40% depending on your facility and current heating solution. Based on multiple studies, the 2,800 and 5,200 Btu/h, uses 15% less energy than heat lamps, while the I-17 model delivers savings of 20% to 40% over other radiant and/or forced air solutions.

In a direct test of two wean-to-finish operations, one customer saved more than 20% on his fuel bill over a 15 month period using our brooder heater instead of a leading competitive radiant product. And in a farrowing operation, our brooder heater used 30% less energy than a conventional heat lamp and forced air installation.



The I-17 covers more pigs for 20% less fuel!

### Range of Heat Outputs & Configurations

Only L.B. White offers a variety of heat outputs and configuration options that make it easy for you to order exactly what you need.

#### □ Btu/h Options & Fuel Type

With heat ratings from 2,800 to 17,100 Btu/h, our brooder heater gives you maximum design flexibility and heat efficiency. (Note: L.B. White also offers 34,200 and 40,000 Btu/h models for custom application needs.)

- 2,800 Btu/h - LP or NG
- 5,200 Btu/h - LP or NG
- 17,100 Btu/h - LP or NG

#### □ Variable Heat Output

All models have variable output, supplying only as much heat as needed.

- Infinitely adjustable heat output from 10 - 100%
- Ideal for maintaining the most consistent temperature at ground level
- Uses less fuel than simple full on/full off, or high / low competitive models

#### □ Ignition Options

Most models are available in either a manual ignition or spark ignition configuration.

##### Manual

- No electricity required, runs off gas pressure
- Favored configuration in many hog facilities
- Available in all Btu/h Options

##### Electronic Spark

- Great option for environments where unexpected or strong airflows can cause blowouts
- Re-ignites automatically whenever needed
- Available in I-3 and I-17 models

#### □ Temperature Control Options

You choose the level of control you want.

##### Manual Zone Control

- Provides temperature control for one zone
- Set temperature manually as temperature requirements change

##### Manual Individual Control

- Offers individual temperature management
- Works with I-3 and I-17 models



### Easy to Install, Easy to Move and Easy to Maintain

All arrive fully assembled and test fired for quick, easy installation. And the lightweight design and quick connect gas hose make it easy to move from one pen to another. So you make the most use of your equipment and minimize your capital costs. Once installed, it is extremely easy to clean and maintain because its advanced design uses fewer parts than other heaters. There's no disassembly required.



### Safe, Reliable Performance

Our heater shares the same quality design standards that have earned L.B. White its reputation as the leader in swine forced air heating. It provides the rugged durability to stand up to years of safe, reliable use in harsh confinement environments due to its high-temp stainless steel emitter elements, corrosion resistant anodized aluminum shroud, and stove enameled venturi tube.



### Knowledgeable, Friendly Technical & Customer Support

With over 50 years of agricultural heating experience and a full line of radiant and forced air heating solutions, only L.B. White offers you the product quality, technical expertise and knowledgeable customer support you can count on to help you design the best heating solution for your needs. For more information about how the L.B. White High Pressure Radiant Brooder can improve production and reduce costs, please contact your local L.B. White representative or contact us directly at 800-345-7200.