

# L.B. WHITE

by MODINE



**Therma Grow™** heaters are advanced, clean-burning, direct fired models that offer 20% better fuel efficiency than traditional heaters. Whether comparing thermal conversion or seasonal (year-round) efficiency, the **Therma Grow™** outperforms even the most advanced competitive products, and for less money.

**Therma Grow™** heaters carry an unheard of **10 YEAR WARRANTY** on the heat chamber and case, and have completely enclosed and protected components, making for years of trouble-free heating. The design combines efficiency, advanced performance, and long component life to reduce energy and maintenance costs, and help grow profits. These units can be mounted either inside or outside; giving growers flexibility and the ability to free up grow space.

**Therma Grow™** heaters come in two output sizes, 120,000 Btuh and 220,000 Btuh and meet all OSHA emissions requirements for greenhouses. Utilizing exclusive, **L.B. White Plant-Safe Technology™**, **Therma Grow™** heaters are the only heaters to meet or beat national emissions standards. **Therma Grow™** Plus models provide even greater heat management features including 2-stage temperature control and heating and air circulation modes.

## THERMA GROW™

- Dependable, fuel efficient hot surface ignition
- Quick response, on-demand heat
- Easy integration with building controls

**99.97%**

*% fuel turned into heat for the house*  
**Best fuel efficiency!**



No heat exchanger to replace



All components enclosed

### Long life



Indoor mount



Outdoor mount

### Mount indoor or outdoor



**BONUS!!** Also produces CO<sub>2</sub> for enriched environment\*

*\*Not certified as a CO<sub>2</sub> generator*

# Greenhouse

## CLIMATE SOLUTIONS.

Therma Grow™	120	120 Plus	220	220 Plus
Btu/h Rating	120,000	65,000 & 120,000	220,000	120,000 & 220,000
Heater Configuration:				
Hot Surface Ignition	Yes	Yes	Yes	Yes
Centrifugal Blower Fan	Yes	Yes	Yes	Yes
Air Movement (cfm)	1,100	1,100	1,750	1,750
Heat / Air Circulation Switch	-	Yes	-	Yes
Inlet Gas Supply Pressure:				
Propane min./max. (in. w.c.)	11 / 13.5	11 / 13.5	11 / 13.5	11 / 13.5
Natural Gas min./max. (in. w.c.)	7 / 11	7 / 11	7 / 11	7 / 11
Fuel Consumption (max.)				
LP Gas (lbs./hr.)	5.6	3.0 / 5.6	10.2	5.6 / 10.2
Natural Gas (cu.ft/hr.)	120.0	63.0 / 120.0	220.0	117.0 / 220.0
Electrical Requirements*			115 / 60 / 1 or	115 / 60 / 1 or
Requirements	115 / 60 / 1	115 / 60 / 1	230 / 60 / 1	230 / 60 / 1
Starting / Continuous Amps	11.8 / 4.5	11.8 / 4.5	17 / 8.4 or 6.7 / 2.6	17 / 8.4 or 6.7 / 2.6
Combustion Air Requirements:				
Indoor Installation (cu. ft./min.)	300	300	550	550
Outdoor Installation (in <sup>2</sup> of exit area)	120	120	220	220
U.S. standards for max heater discharge		Combustion Performance		
CO (ppm rise)	5.0	2.5	2.5	2.5
NO <sub>2</sub> (ppm rise)	0.5	0.3	0.3	0.3
CO <sub>2</sub> (ppm)	4,000	2,000	2,000	2,000
Ethylene (ppm)	.015	0.005	0.005	0.005
Air Temperature Rise (*Fahrenheit):	110	110	120	120
Minimum Clearance (ft.):				
Top / Sides / Back	1 / 1 / 1	1 / 1 / 1	1 / 1 / 1	1 / 1 / 1
Blower Outlet	6	6	6	6
Dimensions (in.)				
Length	30.75	30.75	35.5	36.0
Width	21.0	21.0	25.5	25.5
Height	28.25	28.25	30.0	30.0
Steel Case Materials:	Galvanized	White Tri-Shield**	Galvanized	White Tri-Shield**
Shipping Weight (lbs.)	116	116	165	165

\* Specify which voltage when ordering Therma Grow™ 220 units

\*\* Tri-shield coating consists of 3 unique protective layers including: a non-corrosive hot-dipped galvanized steel, an oven-cured epoxy primer and a baked, thermosetting polyester.

High elevation models available. Please specify elevation while ordering.



**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

**CA RESIDENTS:**  
 **WARNING**  
 Cancer and reproductive harm. See  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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