



Greenhouses | Supplies | Resource Center

FREE GREENHOUSE SUPPLIES
Purchase a greenhouse valued at \$800 or more, and receive free supplies!
CLICK HERE FOR DETAILS

HOME | VIEW CART | HELP

Greenhouse Heater BTU Calculator | [Area Calculators](#) | [Greenhouse Heaters](#)

Categories

[View Our Selection of Greenhouse Heaters](#)

Search

GREENHOUSE KITS

- [Compare Kits](#)
- [Cross Country](#)
- [FlowerHouse](#)
- [Hobby Gardener](#)
- [Juliana](#)
- [Little Greenhouse](#)
- [Portable](#)
- [Sundog](#)
- [Sunshine](#)

SUPPLIES

- [Benches](#)
- [Books](#)
- [Controls](#)
- [Deer Repellent](#)
- [Electrical Supplies](#)
- [Grow Lights](#)
- [Heaters](#)
- [Meters](#)
- [Misting Systems](#)
- [Plastic Coverings](#)
- [PVC Fittings](#)
- [Season Extenders](#)
- [Ventilation](#)
- [Watering](#)
- [Other Supplies](#)

RESOURCE CENTER

- [Greenhouse Guide](#)
- [Supplies Guide](#)
- [Grow Light Guide](#)
- [Cold Frame Guide](#)
- [Foundation Guide](#)
- [Heater Calculator](#)
- [Fan Calculator](#)
- [Area Calculator](#)
- [Ordering Policies](#)
- [Shipping Details](#)
- [Order Tracking](#)
- [About Us](#)
- [Contact Us](#)

802

Area of Structure - This is the total square feet of exposed surface area (th is not length x width) your structure has (don't include floor). To find out the area of one of our greenhouses, [click here](#). If you have a different greenhouse a aren't sure how to calculate its area, [click here for our area calculators](#).

10

Minimum Outside Temperature - You will want to enter the lowest temperature expected for your area. Not sure? Take the minimum temperature from your area in the last 2 or 3 years and subtract 10 degrees to be on the safe side.

53

Maximum Inside Temperature - This is the highest temperature you would want to maintain in your greenhouse.

.40

Heat Loss Value - Check the list below to find the heat loss value for the covering used on your greenhouse. Some values may vary with manufacturer. you know the R-value of your covering, you can convert it to a heat loss valu using this formula: Heat loss value = 1 / R-value.

Area x
(Max - Min)
x Heat Loss
Calculate

4 mil polyethylene	1.20	4 mm (5/32") twinwall polycarbonate	.70
6 mil polyethylene	1.15	6 mm (1/4") twinwall polycarbonate	.65
6 mil poly double layer (inflated)	.70	8 mm (5/16") twinwall polycarbonate	.62
11 mil woven polyethylene	1.05	10mm (3/8") twinwall polycarbonate	.53
3 mm (1/8") glass (single layer)	1.13	16 mm (5/8") triplewall polycarbonate	.4
6mm polycarbonate roof & glass walls	.90	Polycarbonate / fiberglass (single layer)	1.20

13794

Minimum BTU Needed - This is the minimum amount of BTU output the heater you use should have. If the heater only has a BTU input rating, use the following formula. BTU output = (heater efficiency) * (BTU input). [View Our Selection of Greenhouse Heaters](#)

Note: You need to have Javascript enabled on your browser for the calcula to work.



BTU Fuel Consumption Per Hour

**FREE
GREENHOUSE
SUPPLIES**

Purchase any
greenhouse
priced \$800 or
more, and
receive your
choice of free
supplies!



	< Convert >			
BTUs	cubic feet of natural gas		watts	gallons propane
Fuel Conversion Factors	1 cubic foot = 0.0102 therms	1 watt = 0.001 kilowatts	1 gallon = 4.2 lbs.	

Total Exposed Surface Area

Hobby Gardener Greenhouses	Portable Greenhouse
---------------------------------------	----------------------------

6' x 8' Enthusiast	241	Dome Greenhouse	276
8' x 10' MiniPro	312		

Little Greenhouses	Sunshine Greenhouses
---------------------------	-----------------------------

Model 8568 - 8.5' x 6.5'	287	GKP64 - 6' x 4'	195
Model 8510 - 8.5' x 10'	359	GKP68 - 6' x 8'	273
Model 8514 - 8.5' x 14'	440	GKP612 - 6' x 12'	352
		GKP812 - 8' x 12'	462
		GKP816 - 8' x 16'	555

FlowerHouse Greenhouses

14' DomeHouse	645	7' x 7' BloomHouse	305
9' Conservatory	362	6' x 6' HotHouse	145
9' x 9' FarmHouse	335	6' x 6' SpringHouse	177
8' x 8' DreamHouse	247	6' x 6' OrchidHouse	210

Juliana Greenhouses

Basic 300	167	Premium 12.1	435
Basic 450	205	Compact 6.5	247
Basic 600	244	Compact Plus 8.3	313
Premium 8.3	338	Compact Plus 9.9	359
Premium 9.9	387	Compact Plus 12.1	404

Cross Country Greenhouses

Because of the large number of sizes available, you will need to use our [surface area calculator](#) to find the total surface area for the model you are interested in.

[View Our Selection of Greenhouse Heaters](#)



[Greenhouses](#) | [Greenhouse Accessories](#) | [Resource Center](#)
[Ordering and Shipping Information](#)

ACF Greenhouses

**380 Greenhouse Drive
Buffalo Junction, VA 24529
888-888-9050 - Toll Free
434-374-2055 - Fax
help@LittleGreenhouse.com**

Copyright 1998-2007 Aarons Creek Farms, Inc. All Rights Reserved.