

Manual J Winter Calculations

Residential Load - Component Details (continued)

1700 Model

Lake City, FL

Project Title:

190926 1700 wrap around porch

Building Type: User

2019-09-03

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	23501 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	23501 Btuh

EQUIPMENT

1. Electric Heat Pump	#	28000 Btuh
-----------------------	---	------------

Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)



Version 8

Manual J Summer Calculations

Residential Load - Component Details (continued)

1700 Model

Lake City, FL

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
190926 1700 wrap around porch

2019-09-03

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	13154 Btuh
	Sensible Duct Load	3603 Btuh
	Total Sensible Zone Loads	16757 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	16757 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	1299 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	819 Btuh
	Latent occupant gain (8.0 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	3717 Btuh
	TOTAL GAIN	20475 Btuh

EQUIPMENT

1. Central Unit	#	28000 Btuh
-----------------	---	------------

*Key: Window types (Panels - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)



Version 8