

Manual J Summer Calculations

Residential Load - Component Details (continued)

Suwannee Valley Spec

Project Title:

Climate: FL_GAINESVILLE_REGIONAL_A

170796 Suwannee Valley Spec

, FL

2020-07-20

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	11487 Btuh
	Sensible Duct Load	2546 Btuh
	Total Sensible Zone Loads	14033 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	14033 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	884 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	563 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	2647 Btuh
	TOTAL GAIN	16681 Btuh

EQUIPMENT

1. Central Unit	#	20000 Btuh
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*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

Manual J Winter Calculations

Residential Load - Component Details (continued)

Suwannee Valley Spec

Project Title:

170796 Suwannee Valley Spec

, FL

Building Type: User

2020-07-20

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	18245 Btuh 0 Btuh 18245 Btuh
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EQUIPMENT

1. Electric Heat Pump	#	20000 Btuh
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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