



Load Short Form Entire House E-Calcs Plus, Inc

Job: Cypress - 1235 SW Upch...
Date: Jul 24, 2024
By: E-Calcs Plus, Inc

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Project Information

For: Cypress - 1235 SW Upchurch Ave, Happy Home Construction
1235 SW Upchurch Ave, Lake City, FL 32024

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	32	93	Method	Simplified
Inside db (°F)	70	75	Construction quality	Semi-tight
Design TD (°F)	38	18	Fireplaces	0
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	34	52		

HEATING EQUIPMENT

Make Carrier
Trade 15 SEER2 HP
Model GH5SAN43600AA0
AHRI ref 210998688

Efficiency 7.5 HSPF2
Heating input
Heating output 34000 Btuh @ 47°F
Temperature rise 0 °F
Actual air flow 0 cfm
Air flow factor 0 cfm/Btuh
Static pressure 0.50 in H2O
Space thermostat
Capacity balance point = 31 °F

Backup: Carrier AFUE 100

Input = 5 kW, Output = 17061 Btuh, 100 AFUE

COOLING EQUIPMENT

Make Carrier
Trade 15 SEER2 HP
Cond GH5SAN43600AA0
Coil FJ4DNXB36L
AHRI ref 210998688

Efficiency 12.0 EER2, 14.3 SEER2
Sensible cooling 25650 Btuh
Latent cooling 8550 Btuh
Total cooling 34200 Btuh
Actual air flow 1060 cfm
Air flow factor 0.040 cfm/Btuh
Static pressure 0.50 in H2O
Load sensible heat ratio 0.86

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
MWIC	88	2203	720	0	29
Laundry	43	705	925	0	37
MBR	225	3668	4020	0	160
MT	13	914	331	0	13
MBA	137	2271	1209	0	48
BR3	146	3760	2663	0	106
BA2	56	926	403	0	16
BR2	146	3182	3372	0	134
Kit Liv Din	866	11132	10839	0	431
Butler Pantry	96	2593	2200	0	87

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Right-Suite® Universal 2024 24.0.01 RSU28253

...ve\Cypress - 1235 SW Upchurch Ave 7.26.2024.rup Calc = MJ8 Front Door faces: W

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Page 1

Entire House	p	1816	31353	26681	0	1060
Other equip loads			0	0		
Equip. @ 1.00 RSM				26681		
Latent cooling				4348		
TOTALS		1816	31353	31029	0	1060

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