



Load Short Form Entire House SHATTO HEATING & AIR, INC.

Job: JOHNS, TRE & MARIA
Date: Aug 08, 2022
By: KIM SHATTO

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Project Information

For: WILLIAM SCOTT CONSTRUCTION
780 SW RIDGE STREET, LAKE CITY, FL 32024
Phone: 386-365-1222

Design Information

	Htg	Clg	Method	Infiltration	Simplified
Outside db (°F)	33	92			Average
Inside db (°F)	70	75	Construction quality		0
Design TD (°F)	37	17	Fireplaces		
Daily range	-	M			
Inside humidity (%)	50	50			
Moisture difference (gr/lb)	33	45			

HEATING EQUIPMENT

Make THE CARRIER CORPORATION
Trade CARRIER
Model CH14NB048
AHRI ref 204861751
Efficiency 8.5 HSPF
Heating input
Heating output 44500 Btuh @ 47°F
Temperature rise 26 °F
Actual air flow 1567 cfm
Air flow factor 0.053 cfm/Btuh
Static pressure 0 in H2O
Space thermostat
Capacity balance point = 23 °F

COOLING EQUIPMENT

Make THE CARRIER CORPORATION
Trade CARRIER
Cond CH14NB048
Coil FX4DNF061
AHRI ref 204861751
Efficiency 12.5 EER, 15 SEER
Sensible cooling 32900 Btuh
Latent cooling 14100 Btuh
Total cooling 47000 Btuh
Actual air flow 1567 cfm
Air flow factor 0.048 cfm/Btuh
Static pressure 0 in H2O
Load sensible heat ratio 0.86

Backup:

Input = 8 kW, Output = 27448 Btuh, 100 AFUE

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
BEDROOM #3	132	2809	2076	150	101
BATH #2	72	1233	2718	66	132
BEDROOM #2	144	2698	2167	144	105
PANTRY	93	1075	1637	57	79
WIC/DRESSING	173	1621	1162	87	56
MASTER BATH	121	1129	548	60	27
TOILET	18	764	1498	41	73
MASTER BEDROOM	272	5106	5782	273	280
HALLWAY	24	0	0	0	0
Room11	767	9934	11231	531	545
LAUNDRY	112	2943	3493	157	169

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



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2022-Aug-09 08:41:18

Page 1

Entire House	1928	29311	32312	1567	1567
Other equip loads		0	0		
Equip. @ 1.00 RSM			32312		
Latent cooling			5346		
TOTALS	1928	29311	37658	1567	1567

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2022-Aug-09 08:41:18

Page 2