

wrightsoft **Load Short Form**
Entire House
New Age Dimensions, LLC.

Job: Kauffman Residence
Date: 08/23/2013
By: John Pirk
Plan: Manual J

14080 S.E. 122nd Lane Road, Ocklawaha, FL 32179 Phone: (352) 288 - 0886 Fax: (352) 288 - 0884 Email: john.newage@gmail.com

Project Information

For: Touchstone Heating & Air, Inc.
490 S.E. 3rd Avenue, Lake Butler, FL 32054
Phone: (386) 496 - 3467 Fax: (386) 496 - 3147

Design Information

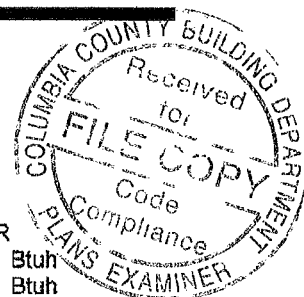
	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92	Method	Average
Inside db (°F)	68	75	Construction quality	0
Design TD (°F)	35	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	29	47		

HEATING EQUIPMENT

Make York
Trade LX SERIES
Model YHJD36S43S4
AHRI ref 4483066
Efficiency 8.2 HSPF
Heating input 30600 Btuh @ 47°F
Heating output 23 °F
Temperature rise 1200 cfm
Actual air flow 0.044 cfm/Btuh
Air flow factor 0.51 in H2O
Static pressure
Space thermostat

COOLING EQUIPMENT

Make York
Trade LX SERIES
Cond YHJD36S43S4
Coil AHE36C
AHRI ref 4483066
Efficiency 12.0 EER, 14.5 SEER
Sensible cooling 24920 Btuh
Latent cooling 10680 Btuh
Total cooling 35600 Btuh
Actual air flow 1200 cfm
Air flow factor 0.052 cfm/Btuh
Static pressure 0.51 in H2O
Load sensible heat ratio 0.76



ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Dining Room	105	3694	2527	163	130
Kitchen	140	1823	3254	81	168
Great Room	271	3356	4011	148	207
Foyer	138	1771	1576	78	81
Cist	14	20	35	1	2
Laundry	28	40	798	2	41
Guest Den	138	4460	2879	197	148
Bedroom 2	123	3800	2580	168	133
Bathrm 2	50	343	189	15	10
Mstr Bathrm	81	2326	941	103	48
Mstr Bedrm	209	2832	3168	125	163
Mstr Tlt	41	761	736	34	38
Mstr WIC	68	1896	606	84	31

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

Entire House	1404	27121	23299	1200	1200
Other equip loads		2838	3565		
Equip. @ 0.97 RSM			26059		
Latent cooling			8545		
TOTALS	1404	29959	34604	1200	1200

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