

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

Job: Hutchinson Residence
 Date: 03/19/2014
 By: John Pirkel
 Plan: Manual J

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

HEATING EQUIPMENT

Make York
 Trade LX SERIES
 Model YHJD30S43S4
 AHRI ref 4483059

Efficiency 7.7 HSPF
 Heating input
 Heating output 26600 Btuh @ 47°F
 Temperature rise 24 °F
 Actual air flow 1000 cfm
 Air flow factor 0.040 cfm/Btuh
 Static pressure 0.51 in H2O
 Space thermostat

COOLING EQUIPMENT

Make York
 Trade LX SERIES
 Cond YHJD30S43S4
 Coil AHE30B
 AHRI ref 4483059

Efficiency 12.0 EER, 14 SEER
 Sensible cooling 20440 Btuh
 Latent cooling 8760 Btuh
 Total cooling 29200 Btuh
 Actual air flow 1000 cfm
 Air flow factor 0.044 cfm/Btuh
 Static pressure 0.51 in H2O
 Load sensible heat ratio 0.87

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Dining Rm	127	6287	5523	254	245
Kitchen	120	1414	2116	57	94
Bath #1	61	856	295	26	13
Mstr Bedrm	147	3194	3067	129	136
Laundry	42	858	1060	35	47
Bath #2	60	968	383	39	17
Bedroom #2	162	5115	2861	206	127
Living Room	326	6294	7211	254	320

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

Entire House	1044	24787	22516	1000	1000
Other equip loads		0	1707		
Equip. @ 0.97 RSM			23496		
Latent cooling			3511		
TOTALS	1044	24787	27008	1000	1000

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