

42440



TRANE

Load Short Form

Entire House

DL Williams Heating & Cooling L.L.C.

Job: 1
Date: Jun 16, 2021
By: DL Williams Heating & C...
Plan: 1

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Project Information

For: Sandia
Lake City, FL 32055

Design Information

	Htg	Clg		
Outside db (°F)	33	92	Method	
Inside db (°F)	68	75	Construction quality	
Design TD (°F)	35	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	30	50		
Moisture difference (gr/lb)	8	44		



Simplified
Average
0

HEATING EQUIPMENT

Make Trane
Trade TRANE
Model 4TWR4030G1
AHRI ref 205232837

Efficiency 8.5 HSPF
Heating input
Heating output 27200 Btuh @ 47°F
Temperature rise 26 °F
Actual air flow 947 cfm
Air flow factor 0.037 cfm/Btuh
Static pressure 0.50 in H2O
Space thermostat
Capacity balance point = 33 °F

Backup:

Input = 8 kW, Output = 26023 Btuh, 100 AFUE

COOLING EQUIPMENT

Make Trane
Trade TRANE
Cond 4TWR4030G1
Coil TEM4A0C37S31++TDR
AHRI ref 205232837

Efficiency 11.5 EER, 14 SEER
Sensible cooling 19880 Btuh
Latent cooling 8520 Btuh
Total cooling 28400 Btuh
Actual air flow 947 cfm
Air flow factor 0.048 cfm/Btuh
Static pressure 0.50 in H2O
Load sensible heat ratio 0.83

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
br1	168	4528	2606	169	124
br2	156	3738	1806	140	86
bath2	68	951	325	36	16
hall	52	0	0	0	0
living	346	5946	6667	222	318
kitchen	300	5354	5022	200	240
utility	66	64	670	2	32
mbath	72	69	52	3	2
wic	64	62	46	2	2
mbed	213	4657	2650	174	126

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



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...hvac\Wrightsoft HVAC\Trane\Mke Todd SAndia.rup Calc = MJ8 Front Door faces: E

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