



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

Job: MORGAN RESIDENCE
Date: NOVEMBER 11, 2020
By: KIM SHATTO

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Project Information

For: PLUMB LEVEL CONSTRUCTION
232 NW CHADLEY LANE, LAKE CITY, FL 32055
Phone: 386-365-5264

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	33	92	Method	Simplified
Inside db (°F)	70	75	Construction quality	Semi-loose
Design TD (°F)	37	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	33	52		

HEATING EQUIPMENT

Make THE TRANE COMPANY
Trade XR 14 WEATHERTON
Model 4TWR4060A1000A
AHRI ref
Efficiency 8.2 HSPF
Heating input
Heating output 45500 Btuh @ 47°F
Temperature rise 26 °F
Actual air flow 1600 cfm
Air flow factor 0.036 cfm/Btuh
Static pressure 0 in H2O
Space thermostat

COOLING EQUIPMENT

Make THE TRANE COMPANY
Trade XR 14 WEATHERTON
Cond 4TWR4060A1000A
Coil TEM4A0C60A1000A
AHRI ref
Efficiency 12.2 EER, 14 SEER
Sensible cooling 36401 Btuh
Latent cooling 15601 Btuh
Total cooling 52002 Btuh
Actual air flow 1600 cfm
Air flow factor 0.036 cfm/Btuh
Static pressure 0 in H2O
Load sensible heat ratio 0.83

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
LVNG/DIN/KIT	1015	14376	19453	511	694
BATH	78	966	1021	34	36
BDRM	252	6407	6450	228	230
BDRM 1	320	5063	4643	180	166
BDRM CLOSET2	60	2657	1002	94	36
MST BDRM	391	4207	4376	149	156
UTILITY	84	2243	2044	80	73
MST BATH	228	6228	4846	221	173
MASTER CLOSET	84	2807	900	100	32
CLOSET	18	28	41	1	1
BDRM CLOSET	30	46	68	2	2

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



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...soft HVAC\Template\Plumb Level Hunter 5 Ton.rup Calc = MJ8 Front Door faces: N

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Entire House	2560	45029	44844	1600	1600
Other equip loads		0	0		
Equip. @ 0.97 RSM			43498		
Latent cooling			9168		
TOTALS	2560	45029	52666	1600	1600

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