



Load Short Form
Entire House
JP Cooling and Heating

Job: [REDACTED]
 Date: September 28 2022
 By: JP Cooling and Heating

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Project Information

For: Tyler Domichel
 1403 East 1330 South, Draper, UT 84020

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	20	92	Method	Simplified
Inside db (°F)	70	75	Construction quality	Semi-tight
Design TD (°F)	50	17	Fireplaces	1 (Semi-tight)
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	43	41		

HEATING EQUIPMENT

Make Day & Night
 Trade DAY & NIGHT
 Model G96VTN0801716A
 AHRI ref 0

Efficiency 96 AFUE
 Heating input 80000 Btuh
 Heating output 78000 Btuh
 Temperature rise 50 °F
 Actual air flow 1419 cfm
 Air flow factor 0.045 cfm/Btuh
 Static pressure 0.08 in H2O
 Space thermostat

COOLING EQUIPMENT

Make Day & Night
 Trade 13 SEER N SERIES R410A AC
 Cond N4A336GKF1
 Coil END4X36L17A1
 AHRI ref 0

Efficiency 11.0 EER, 13 SEER
 Sensible cooling 25500 Btuh
 Latent cooling 4500 Btuh
 Total cooling 30000 Btuh
 Actual air flow 1000 cfm
 Air flow factor 0.044 cfm/Btuh
 Static pressure 0.08 in H2O
 Load sensible heat ratio 0.95

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Master Bedroom	225	6406	7221	286	318
Dining	83	5448	3389	243	149
Kitchen	144	1557	2563	70	113
Master Bath	125	2359	573	105	25
Master WIC	56	0	0	0	0
Bedroom2	174	5301	3318	237	146
Bathroom	53	836	228	37	10
Bedroom	174	2305	980	103	43
Family Room	351	4375	1232	195	54
Hall	32	0	0	0	0
Laundry	108	612	234	27	10
Pantry	75	0	0	0	0
Entry	86	2571	2998	115	132
Hall2	105	0	0	0	0

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

