Sizing Calculator based on Manual S

System Type: Heat Pump air to air ▾ Climate: Heating & Cooling ▾ Elevation: 100 ft.

Load Calculation Data	Sizing Results	System Performance at Design Temp
Cooling - Sensible: 9127 btu's	* Cooling - Minimum: 9527 btu's	Cooling - Sensible: 5500 btu's
Cooling - Latent: 400 btu's	Cooling - Maximum: 11432 btu's	Cooling - Latent: 5500 btu's
Cooling - Total: 9527 btu's	Emergency - Minimum: 10198 btu's	Heat Pump - Output: 18000 btu's
Heating - Total: 12629 btu's	Emergency - Maximum: 18786 btu's	↓ Totals After Altitude Correction ↓
Sensible Heat Ratio 0.96	Auxiliary Heat Minimum: -1.48 kw	Sensible: 5489 Latent: 5489 btu's
Calculate	Auxiliary Heat Maximum: -2.74 kw	Heat: 17964 Cooling: 10978 btu's

Heat Pump air to air / 2 stage or variable compressor

Manufacturer's CFM rating at sea level :

Is system within specs: YES

Clear Load Data | Clear System Data | Clear All Data | Instructions | Loadcalc Page | Balance Point

*Note: The total cooling minimum can be 90% of the total cooling load if the output of the sensible plus 50% of the excess latent equal at least 90% of the sensible load. If this condition exists the calculator will detect it but in most cases the cooling minmum will equal the total cooling load.

Altitude does not effect electric heat btu output