



| Self | |
|------------------------------------|-------------------------------|
| Site ID: 13853 | Heating: 62,800 BTU/hr |
| Area: 2,515 ft ² | Cooling: 32,200 BTU/hr |
| Climate: Toronto AP | Latent: 4,400 BTU/hr |

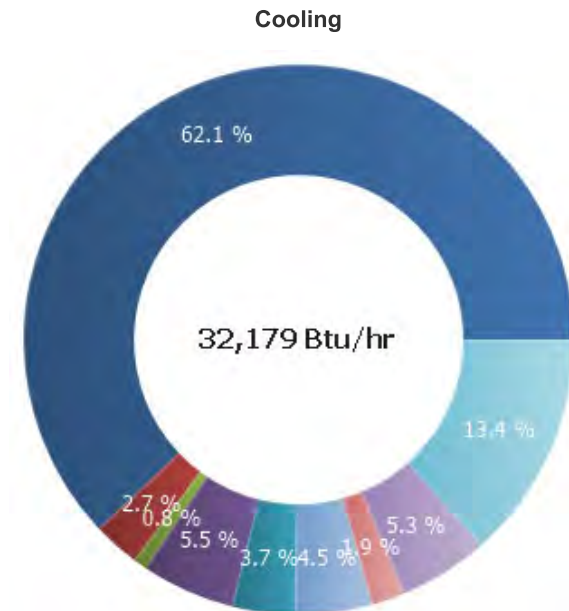
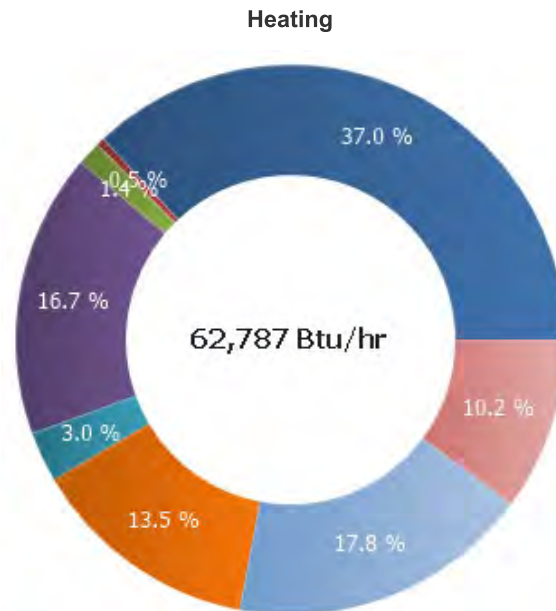
✔ Values successfully saved.

Site Information

| | | | |
|--------------------------|----------------------|--------------------|----------------------|
| Contractor Name | <input type="text"/> | Contractor Company | <input type="text"/> |
| Project Name | <input type="text"/> | Subdivision | <input type="text"/> |
| Address 1 | <input type="text"/> | Lot Number | <input type="text"/> |
| Address 2 | <input type="text"/> | Plan/Model Number | <input type="text"/> |
| State/Province | <input type="text"/> | Builder | <input type="text"/> |
| Zip/Postal Code | <input type="text"/> | Year | 2023 |
| Default Insulation Level | 2x4 poorly insulated | Weather Location | Toronto AP |

Component Loads

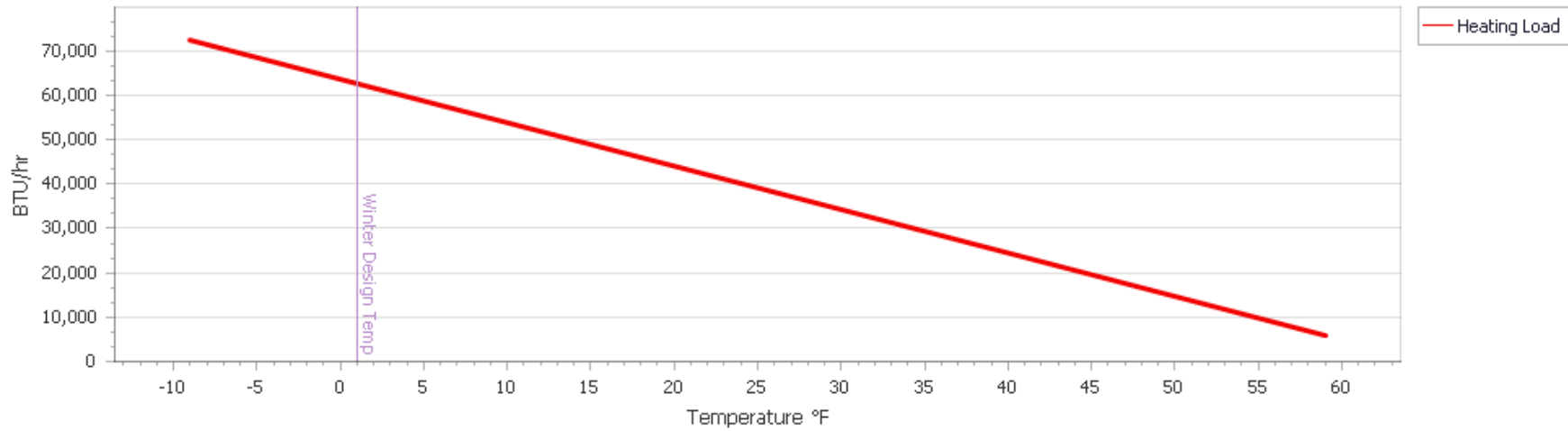
| | Heating | Cooling | Color |
|-------------------|---------------|---------------|-------|
| Windows | 23,209 | 19,970 | |
| Skylights | 290 | 884 | |
| Doors | 883 | 256 | |
| Walls | 10,480 | 1,765 | |
| Ceiling | 1,870 | 1,193 | |
| Floors | 8,486 | 0 | |
| Ventilation | 11,177 | 1,458 | |
| Infiltration | 6,391 | 625 | |
| Ducts | 0 | 0 | |
| Additional Blower | | 1,707 | |
| Internal Gains | | 4,320 | |
| Total: | 62,787 | 32,179 | |



Room Data and Loads

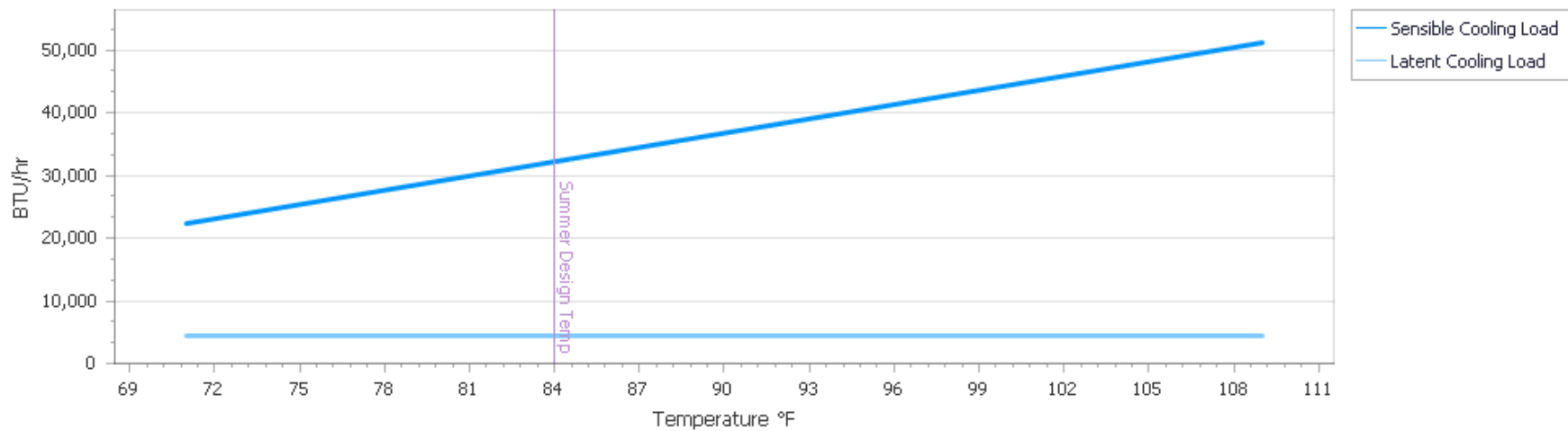
Heating

Balance Point *(the heating output did not intersect with the required heating in the temperature range specified)*

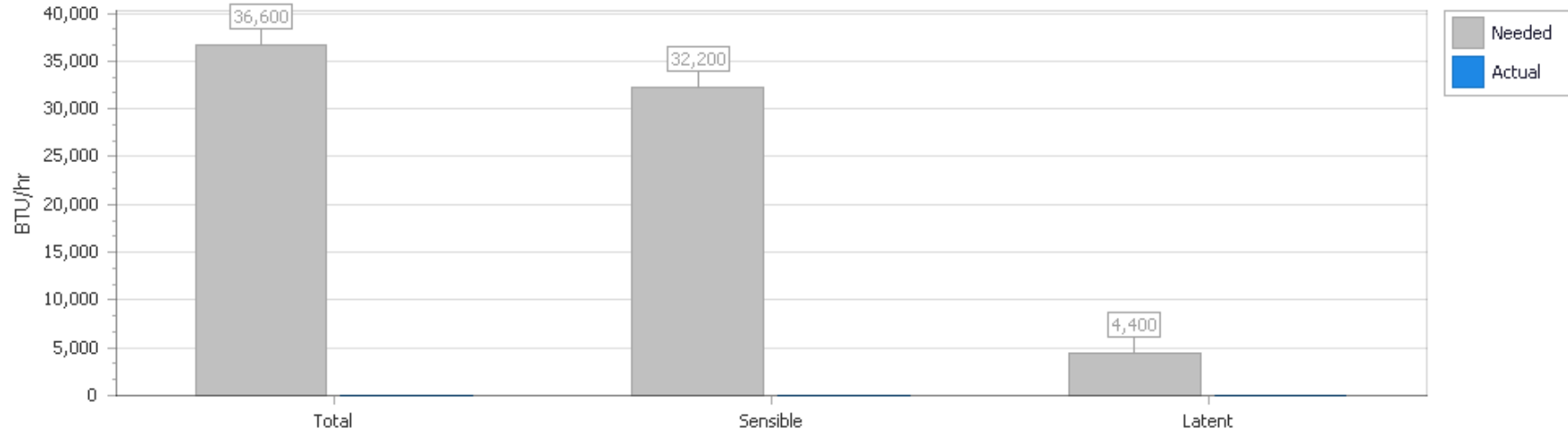


Cooling

Balance Point *(balance point not found)*



Required Cooling at Summer Design Temp (84°)



HVAC Design and Actual System Data

Heating System Cooling System

| | Manufacturer | Model | Nominal size (BTU/hr) |
|---------------------------|----------------------|----------------------|-----------------------|
| Furnace | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Heat Pump or AC Condenser | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Fan Coil | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| | Calculated | Specified |
|-----------------------|------------|----------------------|
| Total Heating Load | 62,800 | 0 |
| Sensible Cooling Load | 32,200 | <input type="text"/> |
| Latent Cooling Load | 4,400 | <input type="text"/> |
| Sensible Ratio | 0.88 | <input type="text"/> |

| | Heating | Cooling |
|-----------------------|----------------------|----------------------|
| Blower Default (CFM) | 628 | 610 |
| Blower Override (CFM) | <input type="text"/> | <input type="text"/> |

Building Characteristics

| | | | |
|-------------------------------|------------------------------------|---|----------------------------------|
| Conditioned Floor Area (sqft) | <input type="text" value="2,515"/> | Slab on Grade % | <input type="text" value="100"/> |
| Total Room Area | <input type="text" value="2,570"/> | Conditioned Basement % | <input type="text" value="0"/> |
| Wall Height | <input type="text" value="9.0"/> | Unconditioned Basement or Crawl Space % | <input type="text" value="0"/> |
| Bedrooms | <input type="text" value="4"/> | | |

Window Orientation

| | |
|--|-------------------------------------|
| Total Window Square Footage (sqft) | <input type="text" value="1,167"/> |
| Total Room (Floor) Square Footage (sqft) | <input type="text" value="2,570"/> |
| Total Window to Floor Ratio (%) | <input type="text" value="45.4 %"/> |

Duct Characteristics

| | | | |
|--------------------|--|---|----------------------------------|
| Duct Material | <input type="text" value="Wire Helix (flex)"/> | Blower CFM | <input type="text" value="628"/> |
| Attic % | <input type="text" value="0"/> | Max CFM/Register | <input type="text" value="125"/> |
| Conditioned Area % | <input type="text" value="100"/> | Friction Rate | <input type="text" value=""/> |
| TEL Calculated | <input type="text" value="0"/> | Unconditioned Basement or Crawl Space % | <input type="text" value="0"/> |
| TEL Override | <input type="text" value="0"/> | | |

Building Data

| | Selected | Override |
|----------------------------------|--------------------------|----------|
| Heating 99% Dry Bulb | 1 | |
| Cooling 1% Dry Bulb | 84 | |
| Winter Thermostat Setpoint (°F) | 70 | |
| Summer Thermostat Setpoint (°F) | 75 | |
| Daily Range | Medium | None |
| Summer Design Grains | 25 | |
| Elevation (ft) | 578 | |
| Latitude (°N) | 43 | |
| Indoor RH | 50 | |
| Number of People | 5 | 4 |
| Appliance/Lighting Load (BTU/hr) | 2,400 | 3400 |
| Internal Gains | 3,550 | 4,320 |
| Ventilation CFM | 55 | 150 |
| Heating Duct Multiplier | 0 % | |
| Cooling Duct Multiplier | 0 % | |
| % Basement Below Grade | 75 % | 10 % |
| ASHRAE 152 Duct area default | <input type="checkbox"/> | |
| Heated slab on grade | <input type="checkbox"/> | |

| | Selected | Override |
|----------------------------|----------|-------------------------|
| Additional Blower Load | 1707 | |
| Internal Shade Coefficient | 1.0 | |
| Ceiling U-Value | 0.081 | R-38 |
| Floor U-Value | 0.368 | Frame Floor, R-38 |
| Wall U-Value | 0.240 | R-21+R-6 Board |
| Basement Wall U-Value | 0.148 | R-11+R-8 Board |
| Basement Floor U-Value | 0.025 | Basement, R-3 or Higher |
| Slab U-Value | 1.180 | Slab, Horizontal R-10 |
| Door U-Value | 0.500 | 0.400 |
| Window U-Value | 1.000 | 0.300 |
| Window SHGC | 0.870 | 0.300 |
| Duct Insulation | (R-4) | (R-8) |
| Duct Leakage | Average | Tight |
| Heating ACH | 0.700 | 0.200 |
| Cooling ACH | 0.400 | 0.150 |

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