



GENSIZER™

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Essential Load Calculator



Whole House Load Calculator



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Gen

Load Calculations Engineers

Customer Name: 

All load demands and calculations performed IAW NEC

GenSizer™ requires Internet Explorer

## Load Calculation

Enter Total Square Footage of Residence:

Square Footage @ 3 Watts Per FT2

Managed?	Enter All Appliances, Motors, and Low Power Factor Loads:	Load
<input type="checkbox"/>	DISHWASHER/DISPOSAL	1,680
<input type="checkbox"/>	DISHWASHER/DISPOSAL	1,680
<input type="checkbox"/>	EXHAUST HOOD	1,000
<input type="checkbox"/>	FREEZER	1,200
<input type="checkbox"/>	GARBAGE DISPOSAL	540
<input type="checkbox"/>	GARBAGE DISPOSAL	540
<input type="checkbox"/>	ICE MAKER	1,200
<input type="checkbox"/>	MICROWAVE OVEN	1,500
<input type="checkbox"/>	OVEN	7,000
<input type="checkbox"/>	RANGE	7,680
<input type="checkbox"/>	RANGE	7,680
<input type="checkbox"/>	REFRIGERATOR	1,200
<input type="checkbox"/>	REFRIGERATOR	1,200
<input type="checkbox"/>	REFRIGERATOR	1,200
<input type="checkbox"/>	TRASH COMPACTOR	600
<input type="checkbox"/>	DRYER	5,000
<input type="checkbox"/>	DRYER	5,000
<input type="checkbox"/>	WASHER	1,200
<input type="checkbox"/>	ELECTRIC CAR CHARGER - 60A	14,400
<input type="checkbox"/>	GARAGE DOOR OPENER	540
<input type="checkbox"/>	PUMP - 2 HP	2,000
<input type="checkbox"/>	RECIRC PUMP	375
<input type="checkbox"/>	WATER HEATER (GAS)	300

[+ Add an Appliance](#)

### Appliances & Other Loads

<b>Total Load From Steps 1 &amp; 2 :</b>	75,215
<b>1st 10KW @ 100% Demand :</b>	10,000
<b>Remainder @ 40% Demand :</b>	26,086

### Total General Load:

Managed?	System #	Cooling	Load	Heating	Load
<input type="checkbox"/>	System1	5 TON	5,855	Heat Pump - 30 Amp	7,200
<input type="checkbox"/>	System2	3 TON AC	3,513	Heat Pump - 30 Amp	7,200
<input type="checkbox"/>	System4	WINDOW AC - 24,000BTU/HR	3,050	AIR HANDLER BLOWER FAN MANAGED HEAT ELEMENT	500

 Add

SUBTOTAL COOLING:

12,418 SUBTOTAL HEATING:

14,900

Discounted Load:

Air Conditioning & Heating

TOTALS

Total Calculated Load:

Watts:

Amps:

Load Management Summary:

**Total Managed Load:**

(At 100% of Load Value)

**Total Generator Load:**

(Load on generator with discounted  
managed load values removed from  
total load)

For Help or Questions Contact: [gensizer@assurancepower.com](mailto:gensizer@assurancepower.com)