



**Whole House Load Calculation**

<b>Enter Total Square Footage of Residence:</b>	<b>3,245</b>
<b>Square Footage @ 3 Watts Per FT2</b>	<b>9,735</b>

Managed?	Enter All Appliances, Motors, and Low Power Factor Loads	Load
	WASHER	1,200
	DRYER	5,000
	WATER HEATER	4,500
	REFRIGERATOR	1,200
	GARAGE DOOR OPENER	540
	DISHWASHER/DISPOSAL	1,680
	JACUZZI TUB	1,000
	MICROWAVE OVEN	1,300
	RANGE	7,680
	JACUZZI TUB	1,000
<b>Appliances &amp; Other Loads</b>		<b>25,100</b>

<b>Total Load From Steps 1 &amp; 2 :</b>	<b>34,835</b>
<b>1st 10KW @ 100% Demand :</b>	<b>10,000</b>
<b>Remainder @ 40% Demand :</b>	<b>9,934</b>

**Total General Load: 19,934**

Managed?	System	Cooling Description	Cooling Load	Heating Description	Heating Load
Yes	System1	3 TON AC	3,513	10KW HEAT STRIP	10,000
	System2	2 TON AC	2,342	5KW HEAT STRIP	5,000
<b>Subtotal Cooling Load:</b>			<b>5,855</b>	<b>Subtotal Heating Load:</b>	<b>15,000</b>
					<b>Discount Heat Load: 9,750</b>

**Air Conditioning & Heating 9,750**

<b>TOTALS:</b>			
<b>Total Calculated Load:</b>	<b>Watts:</b>		<b>29,684</b>
	<b>AMPS:</b>		<b>123.68</b>

<b>Load Management Summary:</b>	<b>Total Managed Load:</b>	<b>10,000</b>
	(At 100% of load value)	
	<b>Total Generator Load:</b>	<b>19,684</b>
(Load on generator with discounted managed load value removed from total load)		