



Whole House Load Calculation

Square Footage @ 3 Watts Per FT2 **9,735**

Enter Total Square Footage of Residence: **3,245**

Appliances & Other Loads **25,100**

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

Total General Load: **19,934**

Total Load From Steps 1 & 2 : **34,835**

1st 10KW @ 100% Demand : **10,000**

Remainder @ 40% Demand : **9,934**

Air Conditioning & Heating **9,750**

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
		Subtotal Cooling Load:	5,855	Subtotal Heating Load:	15,000
				Discount Heat Load:	9,750

TOTALS:

Total Calculated Load: **Watts: 29,684**
AMPS: 123.68

Minimum Generator Size: Generac Guardian 30kW Liquid Cooled

Load Management Summary: **Total Managed Load: 10,000**
Total Generator Load: 19,684

Generator Size With Load Management: Generac 20kW Guardian Air Cooled