



Load Calculations Engineered Exlusively for:

Customer Name: Sample Customer

All load demands and calculations performed IAW NEC 2008 Article 220.

Whole House Load Calculation

Square Fo	otage @ 3	Watts Per FT2				9,73
I	Enter Total S	Square Footage of Residence:				<mark>3,24</mark>
Appliance	s & Other I	Loads				25,10
Managed?	Enter All Appliances, Motors, and Low Power Factor Loads			Load		
	WASHER 1,2			1,200		
	DRYER				5,000	
	WATER HEA	ATER			4,500	
	REFRIGERATOR			1,200		
	GARAGE DOOR OPENER			540		
	DISHWASHER/DISPOSAL			1,680		
	JACUZZI TUB			1,000		
	MICROWAV	E OVEN			1,300	
	RANGE				7,680	
	JACUZZI TU	В			1,000	
Total Ger	neral Load	:				19,93
	Total Load	From Steps 1 & 2 :			34,835	
	1st 10KW	@ 100% Demand :			10,000	
	Remainder	r @ 40% Demand :			9,934	
Air Condit	ioning & H	eating				9,750
Managed? Yes	System	Cooling Description	Cooling Load	Heating Description	Heating Load	
	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 Lo	ad: 9,750	
TOTALS:						
		Total Calculated Load:			Watts:	29,68
					AMPS:	123.6
	Mininumum Generator Size:Generac Guardian 30kW Liquid Cooled Load Management Summary: Total Managed Load:					
						10,00
	_	<u> </u>			Generator Load:	19,68
				iotai	Concrator Load.	13,00

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