

KB Electrical Services

(919) 577-9136

Single Family Dwelling Electrical Load Calculation

Site Address: 30 Wyndham place

General Light, Power	1800	SF x 3 volt-amperes	5400
Two Kitchen Appliance Circuits		@ 1,500 volt-amperes	3000
Laundry Circuits			1500
Electric Range (NP Rating)			8000
Wall Mounted Oven (NP Rating)			9600
Water Heater (NP Rating)			4800
Dishwasher (NP Rating)			0
Disposal (NP Rating)			0
Dryer (NP Rating)			5000
Other:			0
		Subtotal	<u>37300</u>

Subtotal	<u>37300</u>	volt-amperes	
	<u>10,000</u>	volt-amperes	(First 10 kilo colt-amperes @ 100%)
Difference	<u>27300</u>	volt-amperes	(Remaining volt-amperes x 40%)
			<u>10920</u>

Heating and Air-Conditioning (The Largest of the Following Shall Be Included):

Air conditioning and cooling	(100% NP rating)	
Heat pump without supplemental heating	(100% NP rating)	9600
Heat pump with supplemental electrical heating	(100% NP rating plus 65%)	
Electrical space heating < 4 seperator units	(65% NP rating)	
Electrical space heating > 3 seperator units	(40% NP rating)	
Electircal thermal storage and other	(100% NP rating)	
	Total	<u>20520</u>

Total volt-amperes 20520 / 240 volts =
(amps size for service enteraanace conductors and panel)

85.5

Applicance(s) Smart Module Installed On:

heat	9600
ac	4800