

**WORKSHEET - NEC 2011, 220 PART IV**

Contractor		E-mail	
Phone		Fax	
Job Name		Address	
Fuel		Not Gas	Propane
Service Size		Other	
Net Square Footage			

GENERAL LOADS	Quantity (or Sq Ft)	Rating (Load) VA	Factor	Loads (VA)	Loads (KW) (VA/1,000)
General Lighting and General Use Receptacles @ 2 va / Sq ft	4000	5 VA/Sq ft	100%	12000	12
Small Appliance Circuits (20 Amp)	2	1500	100%	3000	3
Laundry Circuit	1	1500	100%	1500	1.5
Fixed Appliances: (estimates only, verify with name plate data)					
Sump Pump	1	500	100%	500	0.5
Freezer or Refrigerator		750	100%	0	0
Microwave	1	1500	100%	1500	1.5
Disposal		500	100%	0	0
Dishwasher	1	1500	100%	1500	1.5
Range		5000	100%	0	0
Wall Mounted Oven	2	5000	100%	10000	10
Counter Mounted Cooking Surfaces		6000	100%	0	0
Water Heater	1	4500	100%	4500	4.5
Clothes Dryer	2	5500	100%	11000	11
Garage Door Opener		500	100%	0	0
Septic Grinder		750	100%	0	0
Well 1/2 HP		1200	100%	0	0
Well 3/4 HP		1750	100%	0	0
Well 1 HP		2350	100%	0	0
Oil or Gas Furnace		500	100%	0	0
UPS		500	100%	0	0
Other: (list by name plate data)					
Hot Tub		10000	100%	0	0
Sauna		5000	100%	0	0
Welder		2000	100%	0	0
Compressor		2000	100%	0	0
			100%	0	0
			100%	0	0
<b>TOTAL GENERAL LOADS</b>				45400 VA	45.4 KW

**HEAT AND A/C LOADS**

1. A/C Cooling (if multiple units enter all units)

1 Ton (verify name plate) (typical FLA 5)	1000	100%	0	0
2 Ton (verify name plate) (typical FLA 10)	2000	100%	0	0
3 Ton (verify name plate) (typical FLA 15)	3000	100%	0	0
4 Ton (verify name plate) (typical FLA 20)	4000	100%	0	0
5 Ton (verify name plate) (typical FLA 25)	0	5000	100%	0

2. Heat Pump (if multiple units enter all units)

Compressor (if not included as A/C above)		100%	0	0
Supplemental Electric Heat (= KW times 1000)	0	100%	0	0

3. Electric Heating (Typically @ 250 watts per foot, enter total feet)

Total Feet - Less than 4 separately controlled units	0	250	65%	0	0
Total Feet - 4 or more separately controlled units		250	40%	0	0
<b>TOTAL HEAT AND A/C LOADS</b>				0 VA	0 KW

**SUMMARY:**

General Loads	1st 10 KW of General Loads	100%	10	KW
	Remaining General Loads	40%	14.2	KW
<b>CALCULATED GENERAL LOADS</b>			<b>24.2</b>	<b>KW</b>
<b>HEAT - A/C LOADS</b>			<b>0</b>	<b>KW</b>

<b>TOTAL CALCULATED LOAD</b>	<b>24.2</b>	<b>KW</b>
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MANAGED LOADS	
	Loads (KW) (VA/1,000)
	0
	0
	0
	0
	0
	0
<b>TOTAL</b>	<b>0</b>

**WARNING!! VA OF ALL LOADS ARE ESTIMATES OF AVERAGE DEVICES, VERIFY ALL NAMEPLATE DATA!!**

Any Questions Concerning the Use of This Spreadsheet Call  
 United Inspection Agency 215-542-0977