



Home Owner's Electrical Load Calculation Sheet

Calculate Basic Area

100% of Main Floor Area	.....	M²
100% of Upper Floor Area	.....	M²
75% of Basement Area	.....	M²
Total Calculated Area	.....	M²

Calculate basic load:

1 st 90 sq. meters	.....	5,000 W
Add 1000 watts for each additional 90 sq. meters, or portion thereof	.....	w
Total basic load	.....	w

Range

Add 6000 watts for the 1 st 12 kw of the range (if there is no range speak with safety officer).	.....	6,000 W
Add 40% of the remainder of range wattage (if any)	.....	w

Heating and Air Conditioning Load

100% of the rating of an electric furnace	.....	w
If each room has a separate thermostat:		
Add 100% for the 1 st 10,000 watts of electric baseboard heating	.....	w
Add 75% of baseboard heating load over 10,000 watts	.....	w

If thermostat has not been provided in each room:

Add 100% of the total electric baseboard heating loads	w
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Total heating load

100% of the rating of any air conditioning or heat pump loads (in volt-amps)	w
Total demand of all other over 1500 watt loads:	.....	w

Total demand (in watts)

Total demand (in watts)	w
Total demand in amps Watts divided by Volts = Amps	.....
..... watts / 240 Volts =	A

Service conductor size: _____ **Service Conductor Type**

Main breaker size: _____