



Load Calculations (One-Family Dwelling)

Load calculations for (address) _____

General Lighting (_____ Sq Ft X 3 VA/Sq Ft) _____ VA(a)
 Small Appliance Circuit (1500 VA each – minimum 2) _____ VA(b)
 Laundry Circuit----- 1500 VA (c)
Total---(Add lines a-c) ----- VA (d)

First 3000VA of line (d) @ 100%----- 3000 VA (e)
 3001 – 120000 of line (d) @ 35% (Total VA – 3000 = _____ X .35) _____ VA (f)
Total General Load---(Add lines e & f)----- VA (1)

Water Heater (4500 VA*) ----- VA
 Dishwasher (1500 VA*) ----- VA
 Disposal (960 VA*) ----- VA
 Microwave (1500 VA*) ----- VA
 Other _____ VA
 _____ VA

Total fastened in place appliance load **or**
 75% of total if four or more (NEC 220.53) ----- VA (2)

(Items below are not considered fastened in place appliances)

Range (8000 VA*) ----- VA (3)
 Dryer (5000 VA*) ----- VA (4)
 Air Conditioner #1 (2000 VA/ Ton *) ----- VA (5)
 Air Conditioner #2 (2000 VA/ Ton *) ----- VA (6)
 Pool pump motor ----- VA (7)
 (Other _____ VA (8)
 _____ VA (9)
 25% of largest motor load ----- VA (10)
Total Load---(Add lines 1-10) ----- VA

Service Rating (Total VA divided by 240 Volts)----- Amps

Service Size ----- Amps

*Common rating – can use actual nameplate rating of appliances if known
 VA---Volt amps (Watts)