

LOAD ITEM	QUANTITY	X	WATTS	TOTAL
If there are <u>less than</u> 4 appliances, then use (Total Appliance Loads X 100%) =				VA
If there are <u>4 or more</u> appliances, then use (Total Appliance Loads X 75%) =				VA
Total Watts B (Appliance Loads) =				VA
C. Full-Load Equipment Circuits (CEC 220.50, 220.51, 220.54, & 220.55)				
Mechanical Circuits: (Use only largest load)				
Electric Heater or Heat Pump (7200VA min)		X		VA
Air Conditioner *		X		VA
Electric Clothes Dryer		X	5000	VA
Electric Cooking Appliance***		X	3500 X 0.8	VA
Hydro-Massage Bathtub **		X		VA
Pool Equipment:				
Pump Motor (Filter) **		X		VA
Pump Motor (Booster) **		X		VA
Pump Motor (Other) **		X		VA
Pool/Spa Aerator **		X		VA
Pool Sweep **		X		VA
Electric Vehicle Charger/Outlet		X		VA
		X		VA
Total Watts C (Full-Load Equipment Circuits X 100%) =				
D. Electrical Load Calculations				
Total Watts (Section A + B + C) =				VA
Total Amps (Total Watts divided by 240 Volts)				A
Size of Electrical Service Equipment (Amps)				A
Proposed Size of New Electrical Service (Amps)				A

* Air Conditioner (FLA X 240 Volts Watts) FLA = Full-Load Amps

** Pump Motor, Aerator and Pool Sweep (Amps x 240 Volts = Watts)

*** Electric Cooking appliances follow table CEC 220.55.

Full-Load Currents in Amperes Single-Phase Alternating-Current Motors

HP	115V	230V
1/6	4.4	2.2
1/4	5.8	2.9
1/3	7.2	3.6
1/2	9.8	4.9
1/4	13.8	6.9
1	16.0	8.0
1½	20.0	10.0
2	24.0	12.0

NOTES:

1) 240 Volts x Amps = **Watts** (VA)

Watts ÷ 240 Volts = **Amps**

2) This schedule is based on the California Electrical Code and is intended as a guide for preparing electrical load calculations. However, due to various conditions that exist on individual projects, this format may not meet code requirements for your project. If you have any questions regarding the use of this form, or electrical load calculations, the Building Division can provide assistance upon request.