

RESIDENTIAL ELECTRIC LOAD CALCULATION (SIMPLE METHOD)

Revsion Date: 4/	10/	2025/
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Name: Address:							
STEP 1 Estimate General Electric Load Excluding Heating and AC							
				lt Amps			
Square Footage of Structure # of Small Appliance Circuits (2 min.)	General Lighting Lo	•	quare foot =				
# of Laundry Circuits (1 min.)	# Laundry Circuits	1500 Watts each	= -				
, , ,		Stop 1 Total =					
Step 1 Total =							
STEP 2 Estimate Heating/AC Electric Load A/C Condensor & Fixed Space Heating							
	# of units Co	mmon Values	Vol	lt Amps			
A/C Heat up to 8 kW	x	8300	=				
A/C Heat up to 15 kW A/C Heat up to 20 kW	x x	14000 22400	= -				
Cond/Heat Pump to 2 T	x	2500	=				
Cond/Heat Pump to 4 T	x	5500	=				
Cond/Heat Pump to 5 T	X	7000	=				
Other Electric Heating Device	x	Volt Amps from Label	=				
		Step 2 Total =					
STEP 3 Estimate Other Electric Load							
	Dedicated Equipment						
Electric Water Heater	# of units	Volt Volt Amps from Label		Natts) Common Values 4,500			
Refrigerator	x x	Volt Amps from Label		1,400			
Freezer	x	Volt Amps from Label		600			
Dishwasher	x	Volt Amps from Label		1,200			
Disposal	X	Volt Amps from Label Volt Amps from Label		800			
Range Hood Microwave	x x	Volt Amps from Label		600 1,500			
Mini Fridge	x	Volt Amps from Label		900			
Instant Hot Water Unit	x	Volt Amps from Label					
Jacuzzi Tub EVSE	X	Volt Amps from Label		800			
Res. Elevator	x x	Volt Amps from Label Volt Amps from Label					
		Step 3 Total =					
STEP 4 Esimate Major Equipment Load							
	Major Equipment		(1)	W-W-) C W /			
Cook Range	# of units x	Volt Amps from Label		Natts) Common Values 8,000			
Cook Oven	x	Volt Amps from Label		5,000			
Clothes Dryer	x	Volt Amps from Label	=	5,000			
Pool Motor	x	Volt Amps from Label					
Pool Heater Pool Light	X X	Volt Amps from Label Volt Amps from Label		300			
Patio Heaters	X	Volt Amps from Label		1,500			
Step 4 Total =							
Heat Pump Water Heater	x	Volt Amps from Label	=				
·	C Service Panel Requires Upgrad	· ·					
Total General Load excl Heating/AC (A		(Box 1)					
Heat Pump Water Heater Electrical Lo		(Box 2)					
General Service Load (Add Box 1 + Box	(2)	(Box 3)					
First 10,000 Volt Amps at 100%		(Box 4)					
Remaining General Service Load at 40	% = (Box 3 - 10,000) x 40%	(Box 5)					
Heating/Cooling Load at 100% (from S	tep 2 Total)	(Box 6)					
TOTAL ADJUSTED HOUSE LOAD (Add Box 4 + Box 5 + Box 6) [Box 7]							
Minimum Service Ampacity (Box 7 divided by 240) [Box "A")							
Enter Your Existing Electrical Service Size (amps) (Box "B")							
NOTE: For One-Family Dwellings, the service disconnecting means shall have a rating of not less than 100 amps, 3-wire.							
Completed by (Print Name)		Signature		Date			