



Electrical Load Calculation

Master Requirement ELE 101

Building Department: 604-990-2480, building@dnv.org

Purpose

Prior to the issuance of an electrical permit where one or more of the following is being installed, a Load Calculation sheet must be completed by the Electrical Contractor and provided to the Electrical Department for approval:

- Air Conditioner
- Car Charger
- Heat Pump
- Hot Tub

Permit Details

Address: _____

Electrical Permit Number: _____ Building Permit Number: _____

Electrical Contractor: _____

Service Details

Service Orientation: Overhead Underground

Service Characteristics: Volts: _____ Amps: _____ Phase: 1 3

Dwelling 1 Unit Size

5000 watts for the first 90 m²

1000 watts for each 90 m² or portion thereof

Any electric range (CEC 8-200 (a)(iv))

Air conditioning (CEC 8-200 (a)(iii))

Tankless water heater or electric pool/spa/hot tub water heater

Electric vehicle charging equipment (CEC 8-200 (a)(vi))

Any additional loads (CEC 8-200 (a)(vii))

Subtotal watts

**** (CEC 8-200(1)) Greater of A or B**

	m ²
	W
	W
	W
	W
	W
	W
	W
	W
	W
	W
	W



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Dwelling 2 Unit Size

3500 watts for the first 45 m²

1500 watts for the second 45 m² or portion thereof

1000 watts for each 90 m² or portion thereof

Any electric range (CEC 8-200 (a)(iv))

Any additional loads (CEC 8-200 (a)(vii))

Subtotal watts

**** (CEC 8-200(1)) Greater of A or B**

	m ²
	W
	W
	W
	W
	W
	W
	W
	W

100% of the Calculated Load in the Unit Having the Heaviest Load

Plus 65% of the Sum of the Calculated Load in the Next Unit

Electric space heating loads (as permitted in CEC Section 62)

First 10,000 Watts at 100% of electric base board heat (CEC Section 62)

The balance of the connected heating load at 75% (CEC Section 62)

Subtotal watts

****Total Watts**

	W
	W
	W
	W
	W
	W
	W
	W
	W

**** If the greater of A or B is B, then B must be carried forward as the calculated.**

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