

**Prepared by:**

Bruce Fort, Jun 4, 2025

Mister Sparky • License: #EC13008384

(941) 379-7722 • Plans@serviceminds.com

Load calculation for:

240 Southwest Maryland Lane

Lake City FL, 32025

General load	Count	VA	Total
General lighting load	1,675 ft ²	3 VA	5,025 VA
Small appliance circuits	2	1,500 VA	3,000 VA
Laundry circuits	1	1,500 VA	1,500 VA

Heating load	Count	VA	Total
Heat pump / Furnace - 1,200 W (10A at 120V)	1	1,200 VA	1,200 VA
Cooling load	Count	VA	Total
Air conditioner - 5,000 W (20.8A at 240V)	1	5,000 VA	5,000 VA

Other load	Count	VA	Total
Dryer - 5,000 W (20.8A at 240V)	1	5,000 VA	5,000 VA
Water heater (Gas) - 900 W (7.5A at 120V)	1	900 VA	900 VA
Refrigerator - 900 W (7.5A at 120V)	1	900 VA	900 VA
Range / Oven (Gas) - 600 W (5A at 120V)	1	600 VA	600 VA

Final calculation

First 10,000 VA at 100%	10,000 VA
Remaining load at 40%	2,770 VA
HVAC load	5,000 VA
Total calculated load for single dwelling unit	17,770 VA

Calculated amperage (load / 240V)**74 A**

Load Calculation to comply with NFPA 70 NEC 2020 Articles 220.82 & 220.83