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Raymond Nobles
143 SW Lexington Ct.
Lake City, FL 32024

Sizing Report

Based on NEC Code Version 2026
Rated Nominal Voltage 120 / 240 Single Phase
Generator Fuel Choice Liquid Propane
NEC Sizing Method Part IV

General Lighting & Receptacles		Load (kW)
Square Footage Being Covered (ft ²)	1467	2.934
Small Appliance Circuits (20 amps)		
Branch Circuits	2.0	3.0
Laundry Circuits	1.0	1.5

Fixed-In-Place Appliances & Motors	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
Dishwasher		1.5	12.5		1.5
Dryer		5.5	22.92	X	5.5
Freezer		0.8	6.67		0.8
Freezer		0.8	6.67		0.8
Garage Door Opener		0.6	5.0		0.6
Microwave		1.25	10.42		1.25
Range - Oven w/ Top		8.5	35.42	X	8.5
Refrigerator		0.8	6.67		0.8
Water Heater		5.0	20.83	X	5.0
Well Pump		1.5	12.5		1.5

Air Conditioning & Cooling	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
2.5 Ton Unit		2.5	10.42	X	2.5

Heating & Heat Pumps	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
Heat Pump (2.5 Ton)		2.5	10.42	X	2.5

EVSE	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
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Transient Requirement	Estimated (LRA)	Actual (LRA)	Utilized (LRA)
Largest Motor's Starting Amps (LRA)	71.9	118.0	118.0

Summary NEC Load	Load (kW)	NEC Required
General Lighting & Receptacles	7.434	
Fixed-in-Place Appliances & Motors	26.25	
Sum of all General Loads	33.684	18.2736
EVSE	0	0
Cooling	2.5	2.5
Heating (w/demand factors)	2.5	2.50
Larger of Heating & Cooling	2.5	2.50

Sizing based on requirements of NEC Article 120: Part IV	20.7736
Elevation	0
Minimum size generator for motor starting requirements	18
BTU load required	338000

22 kW Generac Model Generator Recommended