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MABRY'S ELECTRICAL SERVICE,
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Sizing Report

Rated Nominal Voltage 240
 Generator Fuel Choice Propane
 Sizing Method (NEC 220) Part IV
 (Part III required for selected circuit implementation, Both valid for whole house)

General Lighting & Receptacles		Load (kW)
Square Footage Being Covered (ft ²)	2200	6.6
Small Appliance Circuits (20 amps)		
Kitchen Circuits	2	3
Laundry Circuits	1	1.5

Fixed-In-Place Appliances & Motors	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
Dryer		5.5		X	5.5
Microwave		1.3			1.3
Oven		5.0		X	5.0
Dishwasher		1.5			1.5
Freezer		0.8			0.8
Refrigerator		0.8			0.8

Air Conditioning & Cooling	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
4.0 Ton Unit		4.0		X	4.0

Heating & Heat Pumps	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)

Transient Requirement	Estimated (LRA)	Actual (LRA)	Utilized (LRA)
Largest Motor's Starting Amps (LRA)	115	117	117

	Load (kW)	NEC Required
Summary NEC Load		
General Lighting & Receptacles	11.1	
Fixed-in-Place Appliances & Motors	14.9	
Sum of all General Loads	26.0	16.4
Cooling	4.0	4.0
Heating (w/demand factors)	0.0	0.0
Larger of Heating & Cooling	4.0	4.0
Sizing based on requirements of NEC Article 220, Part IV		20.4
Elevation		0 ft
Minimum size generator for motor starting requirements		16
BTU load required		355000

22 kW Generac Model Generator Recommended