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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 <sup>2</sup> )	3500	10.5
Small Appliance Circuits (20 amps)		
Kitchen Circuits	2	3
Laundry Circuits	1	1.5

	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
<b>Fixed-In-Place Appliances &amp; Motors</b>					
Dryer		5.5		X	5.5
Microwave		1.3			1.3
Dishwasher		1.5			1.5
Freezer		0.8			0.8
Refrigerator		0.8			0.8

	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
<b>Air Conditioning &amp; Cooling</b>					
3.0 Ton Unit		3.0		X	3.0
3.0 Ton Unit		3.0		X	3.0

	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
<b>Heating &amp; Heat Pumps</b>					

	Estimated (LRA)	Actual (LRA)	Utilized (LRA)
<b>Transient Requirement</b>			
Largest Motor's Starting Amps (LRA)	86	75	75

	Load (kW)	NEC Required
Summary NEC Load		
General Lighting & Receptacles	15.0	
Fixed-in-Place Appliances & Motors	9.9	
Sum of all General Loads	24.9	15.9
Cooling	6.0	6.0
Heating (w/demand factors)	0.0	0.0
Larger of Heating & Cooling	6.0	6.0
Sizing based on requirements of NEC Article 220, Part IV		21.9
Elevation		0 ft
Minimum size generator for motor starting requirements		14
BTU load required		355000

22 kW Generac Model Generator Recommended