



JL Britt Electric, Inc.  
 590 Edwards Store Road  
 Mount Olive, NC 28365  
 (919) 920-2765

### Sizing Report

Sizing Information for:  
 Lelana Capps  
 495 Ruth Cir  
 Fuquay Varina, NC 27526

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> )	4200	12.6
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>					
Microwave		1.3			1.3
Refrigerator		0.8			0.8
Range - Oven w/ Top		8.5		X	8.5
Freezer		0.8			0.8
Dishwasher		1.5			1.5
Water Heater		5.0		X	5.0

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

	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
<b>Heating &amp; Heat Pumps</b>					
Heat Pump (3 Ton)	X	3.0		X	0.0
Heat Pump (2.0 Ton)	X	2.0		X	0.0
Heat Pump (2.0 Ton)		2.0		X	2.0

Transient Requirement	Estimated (LRA)	Actual (LRA)	Utilized (LRA)
Largest Motor's Starting Amps (LRA)	86	83	83
	Load (kW)	NEC Required	
Summary NEC Load			
General Lighting & Receptacles	17.1		
Fixed-in-Place Appliances & Motors	17.9		
Sum of all General Loads	35	20	
Cooling	0	0	
Heating (w/demand factors)	2	2	
Larger of Heating & Cooling	2	2	
Sizing based on requirements of NEC Article 220, Part IV		22	
Elevation		0 ft	
Minimum size generator for motor starting requirements		11	
BTU load required		350000	

22 kW Generac Model Generator Recommended