



BITTING ELECTRIC, INC.
1000 Northgate Ct.
Morrisville, NC, 27560
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Sizing Report

Sizing Information for:
Vince Chiodo
1125 Warren Rd
Erwin, NC, 28339

Rated Nominal Voltage 120 / 240 Single Phase
Generator Fuel Choice Liquid Propane
Sizing Method (NEC 220) Part IV

General Lighting & Receptacles		Load (kW)
Square Footage Being Covered (ft^2)	4500	13.50
Small Appliance Circuits (20 amps)		
Kitchen Circuits	2.00	3.00
Laundry Circuits	1.00	1.50

Fixed-In-Place Appliances & Motors	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
Dishwasher		1.50	12.50		1.50
Dryer		5.50	22.92	X	5.50
Freezer		0.80	6.67		0.80
Garage Door Opener		0.60	5.00		0.60
Microwave		1.25	10.42		1.25
Oven		5.00	20.83	X	5.00
Pool Pump		2.00	16.67		2.00
Refrigerator		0.80	6.67		0.80
Refrigerator		0.80	6.67		0.80
Refrigerator		0.80	6.67		0.80
Well Pump		1.50	12.50		1.50

Air Conditioning & Cooling	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
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Heating & Heat Pumps	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
Heat Pump (1.5 Ton)	X	1.50	6.25	X	1.50
Heat Pump (2.0 Ton)	X	2.00	8.33	X	2.00
Heat Pump (2.0 Ton)	X	2.00	8.33	X	2.00
Heat Pump (2.5 Ton)	X	2.50	10.42	X	2.50
Heat Pump Electric Ele...	X	5.00	20.83	X	5.00
Heat Pump Electric Ele...	X	5.00	20.83	X	5.00
Heat Pump Electric Ele...	X	5.00	20.83	X	5.00
Heat Pump Electric Ele...		5.00	20.83	X	5.00

Transient Requirement	Estimated (LRA)	Actual (LRA)	Utilized (LRA)
Largest Motor's Starting Amps (LRA)	71.9	63.00	63.0

Summary NEC Load	Load (kW)	NEC Required
General Lighting & Receptacles	18.00	
Fixed-in-Place Appliances & Motors	20.55	
Sum of all General Loads	38.55	21.420
Cooling	0	0
Heating (w/demand factors)	5.00	3.2500

Larger of Heating & Cooling	5.00	3.2500
Sizing based on requirements of NEC Article 220: Part IV		24.6700
Elevation		0
Minimum size generator for motor starting requirements		10
BTU load required		330000

26 kW Generac Model Generator Recommended