



THERMO KING OF THE SE LLC
695 GARDEN COMMERCE PARKWAY
WINTER GARDEN, FL, 34787
(407) 293-7158

Sizing Report

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)	1400	4.2
Small Appliance Circuits (20 amps)		
Kitchen 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)
Cook Top		3.0	12.5	X	3.0
Dryer		5.5	22.92	X	5.5
Oven		5.0	20.83	X	5.0
Water Heater		5.0	20.83	X	5.0

Air Conditioning & Cooling	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
3.0 Ton Unit		3.0	12.5	X	3.0

Heating & Heat Pumps	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)	86.3	0.0	86.3

Summary NEC Load	Load (kW)	NEC Required
General Lighting & Receptacles	8.7	
Fixed-in-Place Appliances & Motors	18.5	
Sum of all General Loads	27.2	16.88
Cooling	3.0	3.0
Heating (w/demand factors)	0	0
Larger of Heating & Cooling	3.0	3.0
Sizing based on requirements of NEC Article 220: Part IV		19.88
Elevation		0
Minimum size generator for motor starting requirements		14
BTU load required		355000

20 kW Generator Recommended