

MANUAL SIZING CHART

APPLIANCE	TYPE	LOAD (WATTS) Running	LOAD (WATTS) Starting	QTY	TOTAL
GENERAL HOUSEHOLD					
Air Conditioner	10 000 BTU	2 000	5 000		
	20 000 BTU	3 000	7 500		
	24 000 BTU	4 500	11 250		
Alarm System		800			
Washing Machine		3 000			
Tumble Dryer		2500			
Dishwasher		1450 – 2000			
Borehole Pump	Small	750	2 000		
	Large	2 000	5 000		
Geysers	240 l	3000			
Electric Gate		800			
Electric Fence		600			
Electric Iron		750 – 1000			
Vacuum Cleaner		250			
Swimming Pool Pump	1.5 kW	1500			
HI-TECH / AUDIO VISIAL					
Television	LCD / LED	80 – 130			
Television	CRT	300			
Desktop Computer		300 – 600			
Laptop		70 – 150			
Home UPS		100 – 600			
Computer Printer		60 – 1000			
DSTV Decoder		200			
Cellphone Charger		9 - 20			
Fax / Answering Machine		60 – 100			
KITCHEN APPLIANCES					
Deep Freeze		400 – 600			
Electric Heater (Per Bar)		1000 – 3000			
Hair Dryer		2000			
Grill		2000			
Oven (Per Element)		2500			
Stove (Per Plate)		2000			
Kettle		850 – 2000			
Microwave		1000 – 3000			
Refrigerator		550 – 2500			
Toaster		750 – 1250			
LIGHTING					
Domestic Lighting (per bulb)		40 – 100			
Outside Lighting		100 – 1000			
Energy Saver Light Bulb		10 – 20			
				Sub Total:	
				(Sub-total / 1000) kW:	
				(kW / 0.8) kVA:	
				kVA Total:	

1000 Watts = 1kW
1000 Watts = 1.2 kVA

*Please note that this is an approximation of the size you need. A load test should be performed by a qualified electrician in order to accurately size the correct generator for your application.