

BE A POWER MASTER



5.5 KVA GENERATOR
SRGE65000D



GENERATORS | WATER PUMPS

BE A **POWER MASTER**

What separates the good from the great is having reliable portable power whenever and wherever you need it.

Power Master is an innovative, hard-working and complete range of portable generators with options for work, home or recreation. The diesel and petrol models range from 1kVA to 24kVA, providing a portable power solution for every need and application.

Power Master products have been designed and manufactured to keep working in Africa's tough conditions. The whole range has been developed to strict international quality and technology standards, whilst offering great value.

WHY POWER MASTER

- Well-established service and warranty support network
- High quality components that ensure the best possible performance & longevity
- Built-in safety features: Solid structured steel frames, secured fuel tanks
- Alternators are only manufactured using 100% copper content
- All generators include automatic voltage regulators
- High quality circuit breakers
- 4 stage digital meter technology (measure voltage, frequency & running hours)
- All electric start models come with a sealed and maintenance free battery included

PORTABLE GENERATORS



2.2 KVA
PETROL GENERATOR

SRGE2500

Displacement	208 ml
Starting System	Recoil
Rated Voltage	230 V
Rated Frequency	50 Hz
Rated Output	2 kVA / 2000 W
Max. Output	2.2 kVA / 2200 W
Fuel Tank Capacity	15 L
Digital 4 Stage Meter	Yes

Tank Protector	Yes
Type	4 Stroke Petrol
Advanced AVR	Yes
Wheels and Handles	No
14ah Battery	No
Dimensions	600x455x460 mm
G.W.	43.5 kg



2.8 KVA
PETROL GENERATOR

SRGE3500E

Displacement	208 ml
Starting System	Electric
Rated Voltage	230 V
Rated Frequency	50 Hz
Rated Output	2.5 kVA / 2500 W
Max. Output	2.8 kVA / 2800 W
Fuel Tank Capacity	15 L
Digital 4 Stage Meter	Yes

Tank Protector	Yes
Type	4 Stroke Petrol
Advanced AVR	Yes
Wheels and Handles	No
14ah Battery	Yes
Dimensions	600x455x460 mm
G.W.	47.5 kg

PORTABLE GENERATORS

PETROL GENERATOR

5.5KVA

SRGE65000D



Displacement	390 ml
Starting System	Electric
Rated Voltage	230 V
Rated Frequency	50 Hz
Rated Output	5 kVA / 5000 W
Max. Output	5.5 kVA / 5500 W
Fuel Tank Capacity	25 L
Digital 4 Stage Meter	Yes

Tank Protector	Yes
Type	4 Stroke Petrol
Advanced AVR	Yes
Wheels and Handles	Yes
14ah Battery	Yes
Dimensions	700x600x580 mm
G.W.	93 kg

PETROL GENERATOR

7.5KVA

SRGE8500D



Displacement	408 ml
Starting System	Electric
Rated Voltage	230 V
Rated Frequency	50 Hz
Rated Output	7 kVA / 7000 W
Max. Output	7.5 kVA / 7500 W
Fuel Tank Capacity	25 L
Digital 4 Stage Meter	Yes

Tank Protector	Yes
Type	4 Stroke Petrol
Advanced AVR	Yes
Wheels and Handles	Yes
14ah Battery	Yes
Dimensions	700x600x580 mm
G.W.	96 kg



2 INCH

PETROL WATER PUMPS

SRWP20

Engine	SR170F	Max. Output	4.2 kW / 3600 r/min
Engine Type	Forced air Cooling 4 Stroke, OHV 25° Single Cylinder	Suction	7 m
Displacement	208 ml	Lift	30 m
Starting System	Recoil	Flow	24 m ³ /h
Pump Type	Aluminium	Inlet Outlet Dia.	50 / 50 mm
		Dimensions	480x455x440 mm
		G.W.	26 kg

HOW TO CHOOSE A GENERATOR

First step in selecting a generator is to understand what level of power usage you will need. Below we've listed the most commonly used products as a reference point. Please note that this chart is a guide line and actual consumption may vary by product and manufacturer brands.

Product Category	Product Description	Running/Rated Power In Watts	Additional Starting Power In Watts	Total Power Required From Generator To Start And Run Product In Watts
Essentials	Light Bulbs Incandescent 40Watt	40	0	40
	Light Bulbs Incandescent 60Watt	60	0	60
	Light Bulbs Incandescent 100Watt	100	0	100
Kitchen	Refrigerator/ Freezer	1000	2000	3000
	Dishwasher	1500	3000	4500
	Microwave Oven 625 Watt	625	0	625
	Microwave Oven 1000 Watt	1000	0	1000
	Coffee Maker 1000 Watt	1000	0	1000
	Kettle - 2200 Watt	2200	0	2200
	Toaster 850 Watt	850	0	850
	Food Processor	400 - 600	0	400 - 600
	Electric Griller 2200 Watt	2200	0	2200
Laundry	Washing Machine	1200	2400	3600
	Tumble Dryer	1500	3000	4500
	Iron - 1200 Watt - 1600 Watt	1200 - 1600	0	1200 - 1600
Family Room	LED TV 47"	300 - 500	0	300 - 500
	DVD Player	150	0	150
	DStv	150	0	150
Heating/Cooling	Air-conditioner 9000 BTU	1500	3000	4500
	Air-conditioner 12000 BTU	1800	3600	5400
	Air-conditioner 18000 BTU	2500	5000	7500
	Air-conditioner 24000 BTU	3800	7600	11400
	Fan 20"	200	0	200

Product Category	Product Description	Running/Rated Power In Watts	Additional Starting Power In Watts	Total Power Required From Generator To Start And Run Product In Watts
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WORK/ DIY

Electrical motors that use brushes will have a coefficient of approximately 1.4. This means that the start up power must be multiplied by the coefficient for example a 500 watt power drill will require an additional 700 watts start up power therefore the total required power to operate the drill is $500W + 700W = 1200W$.

DIY Power Tools	Rotary Drill - 550W	550	770	1320
	Impact Drill - 850W	850	1190	2040
	Multi Sander - 160W	160	224	384
	Orbital Sander - 200W	200	280	480
	Belt Sander - 710W	710	994	1704
	Angle Grinder - 850W	850	1190	2040
	Angle Griner - 2200W	2200	3080	5280
	Mitre Saw - 2000W	2000	2800	4800
	Planer - 500W	500	700	1200
	Jigsaw - 620W	620	868	1488

Asynchronous motors (squirrel cage type) will have a coefficient of approximately 2. This means that the start up power must be multiplied by the coefficient for example a 2200 watt air compressor will require an additional 4400 watts start up power therefore the total required power to operate the air compressor is $2200W + 4400W = 6600W$.

Air Compressors	Air Compressor 200LT - 2200W	2200	4400	6600
	Air Compressor 24LT - 1100W	1100	2200	3300
Office	Computer Monitor	300-500	0	300 -500
	Copy Machine	1500 - 2000	0	1500 - 2000
	Lazer Printer	800 -1200	0	800 - 1200

HELPFUL FORMULAS

Wattage = AMPS x Voltage	Ampere = $\frac{\text{Wattage}}{\text{Voltage}}$
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Amps per phase = $\frac{\text{kVA} \times 1000}{658}$






HOW TO CHOOSE A GENERATOR






GENERAL GUIDELINE







Please see below a few typical scenarios to serve as a guideline when selecting the appropriate generator for your requirements.

Please note that this chart is a guideline and actual consumption may vary to what is indicated.

Please check the manufacturers specifications for accurate measurements.

 <p>2.2KVA 2200 W</p> <p>SRGE2500</p>	 <p>SINGLE DOOR FRIDGE 1500 W</p>	+	 <p>LCD TV 300 W</p>	+	 <p>DSTV 150 W</p>	+	 <p>10 X 11W CFL GLOBES 110 W</p>
2060W =							

 <p>2.8KVA 2800 W</p> <p>SRGE3500E</p>	 <p>DOUBLE DOOR FRIDGE 2000 W</p>	+	 <p>LCD TV 300 W</p>	+	 <p>DSTV 150 W</p>	+	 <p>10 X 11W CFL GLOBES 110 W</p>
2560W =							

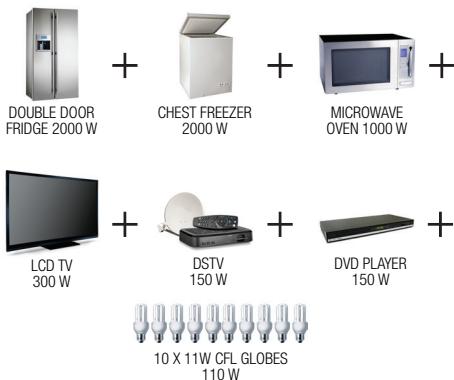
 <p>5.5KVA 5500 W</p> <p>SRGE65000D</p>	 <p>DOUBLE DOOR FRIDGE 2000 W</p>	+	 <p>CHEST FREEZER 2000 W</p>	+	 <p>LCD TV 300 W</p>	+	 <p>DSTV 150 W</p>	+	 <p>10 X 11W CFL GLOBES 110 W</p>
4560W =									

7.5KVA
7500 W



SRGE8500D

5710W =



SERVICE, MAINTENANCE AND RUNNING TIPS

- Before starting your generator, always ensure that there is sufficient oil and fuel in the machine. Only use SAE15W30 multi-graded oil and unleaded petrol (for petrol models). Do not use dirty fuel or oil in your generator.
- Always place your generator on a flat surface when pouring in the oil and fuel.
- If you have an electric start generator, check that your battery is fully charged before starting.
- Ensure that the choke is on when starting your generator, once started, switch the choke to the 'off' position.
- Never connect your appliances before starting your generator, always start your generator first, and then connect one appliance one at a time.
- Disconnect your appliances before switching off your generator.
- Switch off the fuel tap prior to turning off your generator, to allow the fuel in the carburettor to be used.
- We recommend that your first service should be after 20 running hours and thereafter at 50 hour intervals.
- Always operate your generator in a well ventilated area, as toxic fumes are emitted from your generator.

CONTACT DETAILS

SERVICE AGENTS CONTACT DETAILS

OFFICIAL SERVICE AGENTS

Agrinet
www.agrinet.co.za

CONTACT DETAILS

Samrand

111 Sterling Road, Kosmosdal, Centurion
Office: 012 657 000
Call Centre: 012 657 2222

Bellville

13 Sapphire Street, Bellville Industrial Park, Bellville South
Cape Town
Office: 021 959 5420
Call Centre: 021 959 5424

Email: enquiries@agrinet.co.za

WARRANTY PERIOD Private Use: 12 Months Or
500 Running Hours

Commercial Use: 12 Months Or
300 Running Hours

WARRANTY PROCEDURES

1. The customer must return the machine to the retail outlet from where he/she purchased it from.
2. The customer must ensure that he/she has a copy of the proof of purchase.
3. The retailer must contact the Agrinet Workshop.
4. The retailer must book the machine in and send the proof of purchase together with the store documents to Agrinet Workshop.
5. Agrinet will arrange for either a freight company or a service agent to collect the generator from the retailer.
6. The service agent will assess the machine and revert back to Agrinet on whether the repair is a warranty or out of warranty repair.
7. Agrinet will advise the retailer on the repair details. The warranty claim is at the sole discretion of Gentech Industries.
8. All warranty repairs will be completed within 14 working days.
9. For all out-of-warranty repairs a quotation will be completed and sent through by Agrinet Workshop to the respective retailer for confirmation.
10. For all out of warranty repairs please note that such repairs will only be carried out once the quotation has been signed and paid for in full.


POWER MASTER™
keeping you in charge



GENERATORS



WATER PUMPS

Power Master is exclusively distributed by  Agrinet

For Trade Enquiries please email: enquiries@agrinet.co.za

Call: (012) 657 2222 or visit: www.agrinet.co.za