

Machine and power (W) required to run

Flourescent Lamp	60	5" Angle Grinder	750
Light Bulb	100	Hair Dryer	1,000
Video	100	Lawnmower 10" Hover	1,000
Palm Sander	175	5" Circular Saw	1,000
Fridge*	200	Router	1,000
Slow Cooker	200	Belt Sander	1,020
Radio / Hi-Fi	200	Vacuum Cleaner	1,100
Colour TV	250	Coffee Maker	1,200
Central Heating Pump	300	Steam Iron	1,250
VDU	300	Cement Mixer*	1,320
Strimmer 10"	350	Chain Saw 10"-16"	1,500
Printer	350	600W Microwave	1,500
Jigsaw	400	Portable Heater	1,500
Bench Grinder	400	Hot air gun	1,500
Computer	400	Photocopier	1,600
13mm Drill	450	8" Floor sander	2,000
Orbital Sander	450	Compressor*	2,200
Hedge trimmer	500	12" Angle grinder	2,500
Flood lamp	500	Hammer drill	2,500
4" Angle grinder	550	Kettle	2,500
1/3 HP Airless Sprayer	600	Fan heater	3,000
Telefax	600	1 HP Pressure washer	3,500
Deep freeze	700	Arc welder 130A	3,500
Planer	700	Washing machine	4,000
* see motor starting (below)			

Motor Starting

Motor Starting is an important consideration when buying a generator.

Keep in mind that induction type motors, like those that run sump pumps, refrigerators and compressors , typically require 2 to 3 times their listed running watts to start.

Below is a chart you can use to determine how many Watts you will need to start up motors of various sizes and types.
NB Power tools use a universal commutator that do not require any additional start up power.

Motor Size H/P	Running Watts	Watts Req. to Start Motor
1/8	275	850
1/6	275	850
1/4	400	1,050
1/3	450	1,350
1/2	600	1,800
3/4	850	2,600
1	1,100	3,300
2	2,200	6,600