



Westinghouse

INNOVATION YOU CAN BE SURE OF

Consumer Guide

Portable Generator Selection

Follow These Steps

1. Identify the devices you want to power simultaneously. Record the starting power and running power demands of each device in Watts.
2. Add up the running power of all devices. This total must be less than the generator's rated running power output.
3. Identify the device with the highest starting power demand. Add this value to the running power demands of the other devices. This total must be less than the generator's rated starting power output.
4. Select any Westinghouse portable generator for standalone plug and socket connection to portable electric devices. The RCD safety switch equipped PRO models offer you the best protection against electric shock as per Australian WH&S Regulations.
5. Select a Westinghouse Utility Series or digital inverter generator if your application requires it to be connected to a fixed electrical installation by a licensed electrician. The RCD safety switch fitted to the PRO models will trip on load if connected to a multiple earthed neutral (MEN) electrical installation.

Residential

Device	Running Power (Watts)	Starting Power (Watts)
Bathroom		
Hot Water System - 250 L	3,600	3,600
Climate Control		
A/C - Portable / Window Type 2.8 kW	1,200	2,100
A/C - Split System 5.2 kW Fixed Speed	1,900	6,650
A/C - Split System 5.2 kW Inverter	1,500	1,500
Fan - Ceiling or Personal	60	210
Heater - 2,400 W	2,400	2,400
Entertainment		
Hi-Fi System	100	100
TV - Large Screen	200	200
Kitchen		
Coffee Machine	1,450	1,450
Cooktop - Large Element	2,400	2,400
Cooktop - Small Element	1,200	1,200
Dishwasher	1,800	2,400
Kettle	2,400	2,400
Microwave - 1,000 W	1,000	1,600
Oven	3,100	3,100
Refrigerator / Freezer - Full Size	200	700
Toaster	1,000	1,000
Water - Boiler, 3 L	1,500	1,500
Water - Chiller, Free-Standing	200	700
Laundry		
Clothes Dryer	2,400	2,880
Washing Machine	1,200	1,800
Vacuum Cleaner	2,200	2,640
Lighting		
Fluorescent Lamp 20 W	20	20
Incandescent Bulb 100 W	100	100
LED Light 10 W	10	10
Security		
Garage Door Opener	200	240

Power - when you need it - where you need it

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Typical Power Demands

The adjoining table is an **approximate** guide to the running and starting power demands of some common electrical devices.

There are large variations in the performance of different makes and models of electrical devices and the manufacturer's specifications are often inaccurate or misleading. High power, low duty cycle devices such as welders and plasma cutters are especially problematic in this regard.

It is recommended that the portable generator and powered device(s) be trialled to ensure that the combination performs to your satisfaction.

Commercial

Device	Running Power (Watts)	Starting Power (Watts)
Construction and Maintenance		
Air Compressor - 1.65 kW	2,200	7,700
Air Compressor - 2.4 kW	3,300	11,550
Angle Grinder - 180 mm	1,800	2,160
Battery Charger - 12 V, 5.4 A	100	100
Circular Saw - 270 mm	1,800	2,160
Concrete Mixer - 100 L	1,300	1,560
Concrete Vibrator - 50 mm	1,900	6,650
Drain Cleaner Snake	400	1,400
Demolition Breaker - 30 kg	1,900	2,280
Drill - 13 mm	750	900
Orbital Sander - 1/3 Sheet	200	240
Planer - 82 mm	850	1,020
Pressure Washer - 10 MPa, 600 L/h	2,400	8,400
Rotary Hammer Drill - 26 mm	850	1,020
Submersible Pump - 50 mm	2,200	7,700
Welder - Stick 140 A (3.2 mm Electrode)	6,000	7,200
Office		
Computer with LCD Monitor	150	150
Inkjet Fax / Printer	50	50
iPad / iPhone Charger	12	12
Laser Fax / Printer	900	900
Photocopier	1,500	1,500
Scanner	30	30

Leisure

Camping and RV		
Air Conditioner - 2.4 kW Cooling	1,000	1,400
Air Conditioner - 3.1 kW Cooling	1,300	1,700
Battery Management System	500	500
Clothes Dryer - 3.2 kg (240 V AC)	850	1,000
Fridge-Freezer Built-In - 150 L (AC/DC/LPG)	200	240
Fridge-Freezer Portable - 80 L (AC/DC)	80	80
Hot Water Heater - 23 L (AC/LPG)	1,500	1,500
Light - LED, External Awning, 550 mm (12 V DC)	10	10
Microwave - 900 W, 25 L (240 V AC)	1,400	1,400
Rangehood - 400 mm Wide (12 V DC)	50	60
TV - 19 inch LED (12 V DC)	50	50
Washing Machine - 3 kg, Top Load, Cold (240 V AC)	250	350
Washing Machine - 4 kg, Front Load, Hot (240 V AC)	1,300	1,550

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