

# Support material #9: Typical power ratings of gas and electrical appliances

| Appliance  | Typical power rating                                     |
|--|--|
| <b>Kitchen</b>   |  |
| Crockpot (4 litre)   | 280 W  |
| Deep fryer   | 2400 W   |
| Frying pan   | 2400 W   |
| Griller (horizontal)   | 2400 W   |
| Blender  | 1000 W   |
| Cake mixer   | 700 W  |
| Dishwasher (2 star rating, 1 hr / cycle, 12 places)  | 1 star<br>2 stars<br>3 stars<br>1335 W<br>950 W<br>712 W |
| Kettle   | 2400 W   |
| Toaster  | 2400 W   |
| Electric oven (fan-assisted)   | 1500 W   |
| Gas oven   | 12 MJ  |
| Electric stove top cooking (small hotplate)  | 700 W  |
| Electric stove top cooking (large hotplate)  | 1100 W   |
| Gas stove top cooking (small stove size)   | 10 MJ  |
| Gas stove top cooking (large stove size)   | 16 MJ  |
| Microwave  | 1600 W   |
| Washing dishes – electric hot water system (10 L / sink / wash)                            | 330 W  |
| Washing dishes – gas hot water system (10 L / sink / wash)                                 | 1.89 MJ  |
| Refrigerator (1 door) 350-400 L (2 star rating)  | 1060 W   |
| Refrigerator (2 door) 350-420 L (3 star rating)  | 1671 W   |
| Freezer 200-250 L (2 star rating)  | 60 W   |
| Lighting (3 x 100 W globes)  | 300 W  |
| Clock  | 2 W  |
| Cordless phone (average standby)   | 30 W   |
| <b>Bathroom and laundry</b>  |  |
| Washing machine (1 hr / cycle, 150 W machine) – electric cold water system (2 star rating) | 1153 W   |
| Clothes dryer (1 hr / cycle, 2 star rating, 5 kg load)                                     | 4300 W   |
| Hair dryer   | 1600 W   |

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|---|--|
| Iron (dry appliance)  | 1100 W   |
| Iron (auto appliance)   | 2400 W   |
| Bath – electric hot water system (150 L / bath)                     | 900 W  |
| Bath – gas hot water system (150 L / bath)                          | 13.2 MJ  |
| Shower – electric hot water system (7 min showers using 15 L / min) | 310 W  |
| Shower – gas hot water system (7 min showers using 15 L / min)      | 13.5 MJ  |
| Sewing machine  | 100 W  |
| Lighting (3 x 100 W globes)   | 300 W  |
| <b>Garage</b>   |  |
| Drill (10 mm)   | 400 W  |
| Refrigerator (single door, 250 L, 2 star rating)                    | 1060 W   |
| Saw (portable, 150 mm)  | 775 W  |
| Lighting (4 x 100 W globes)   | 400 W  |
| <b>Backyard</b>   |  |
| Lighting (3 x 100 W globes)   | 300 W  |
| Gas barbecue (3 burner)   | 7600 MJ  |
| Spa – gas hot water system (240 L / spa)                            | 12000 MJ   |
| Pool (filter pump)  | 1100 W   |
| <b>Living room</b>  |  |
| Stereo  | 307 W  |
| Television (LCD)  | 270 W  |
| Television (Plasma)   | 311 W  |
| VCR / DVD   | 25 W   |
| Games console   | 25 W   |
| Electric space heater   | 2400 W   |
| Vacuum cleaner  | 1600 W   |
| Electric central heating  | 4000 W   |
| Gas central heating   | 19440 MJ   |
| Electric strip heater (no thermostat)                               | 1000 W   |
| Gas heater  | Small wall unit 12 MJ<br>Medium wall unit 24 MJ<br>Large wall unit 35 MJ |

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|--|----------------------|
| Electric air conditioning (evaporative)                | 400 W                |
| Electric air conditioning (split cycle, 2 star rating) | 1400 W               |
| Electric air conditioning (wall unit, 2 star rating)   | 1410 W               |
| Lighting (5 x 100 W globes)                            | 500 W                |
| Cordless phone (average standby mode)                  | 3 W                  |
| Mobile phone charger (standby mode)                    | 1 W                  |
| <b>Bedroom</b>   |                      |
| Home computer (PC and monitor)                         | 190 W                |
| Small appliances (radio, portable fan, video recorder) | 12 W                 |
| Lighting (2 x 60 W globes)                             | 99 W                 |
| Alarm clock (on for 24 hours)                          | 30 W                 |
| Portable television (small)                            | 65 W                 |
| Portable stereo (small)                                | 60 W                 |
| Electric blanket (single bed)                          | 120 W                |

*Note: These figures are a guide only. Power ratings may vary from one appliance to another.*