Appliance wattage chart

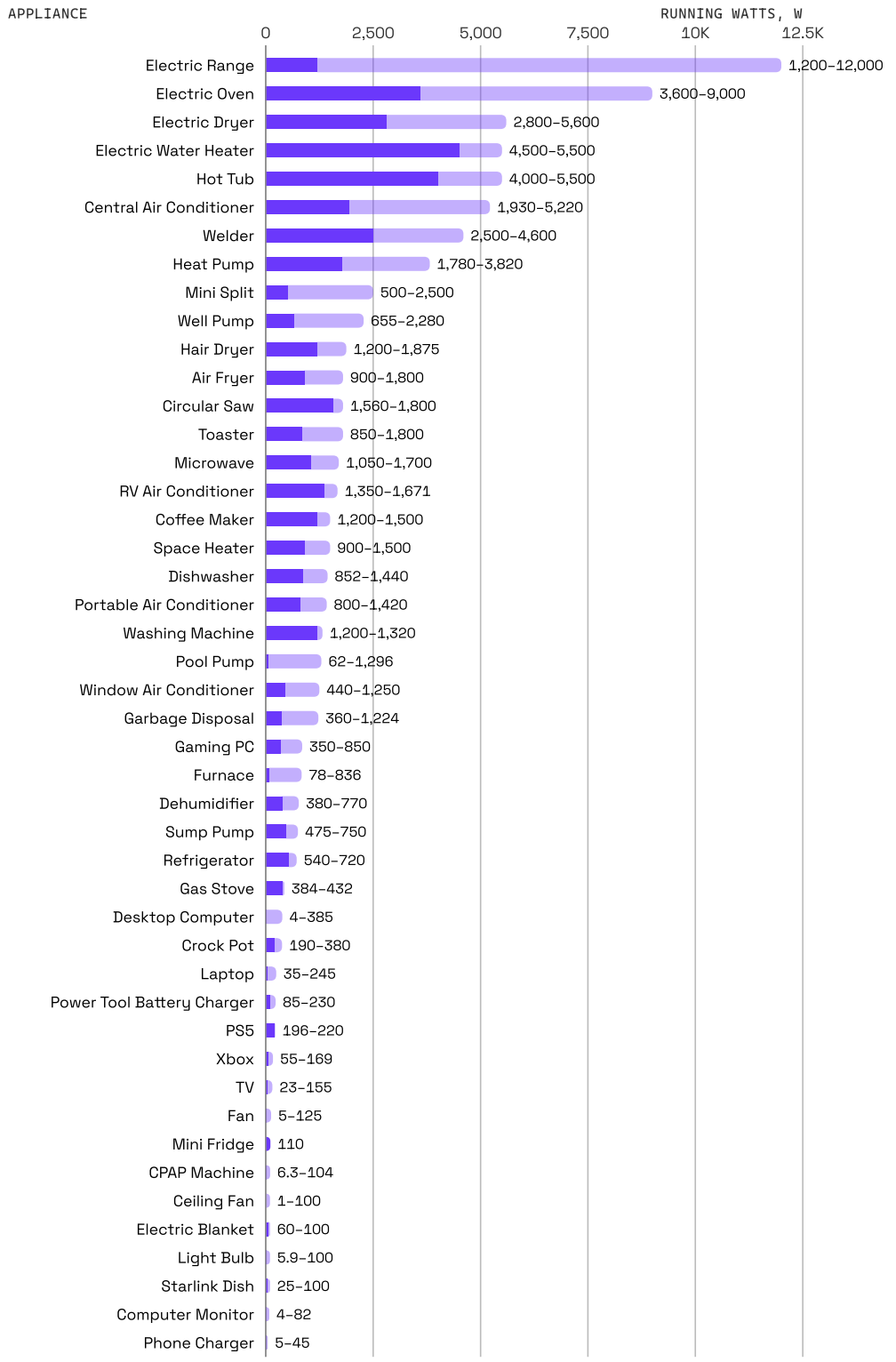
A refrigerator uses 540–720 watts while running, a microwave 1,050–1,700 watts. The chart lists typical running watts, amps and yearly energy use of 47 household appliances.

Running watts, amps at the stated voltage and the circuit of common household appliances

APPLIANCE	RUNNING WATTS	VOLTS	AMPS	CIRCUIT
Air Fryer	900–1,800	120	7.5–15	Standard outlet
Ceiling Fan	1–100	120	0–0.8	Standard outlet
Central Air Conditioner	1,930–5,220	240	8–21.8	Standard outlet
Circular Saw	1,560–1,800	120	13–15	Standard outlet
Coffee Maker	1,200–1,500	120	10–12.5	Standard outlet
Computer Monitor	4–82	120	0–0.7	Standard outlet
CPAP Machine	6–104	120	0.1–0.9	Standard outlet
Crock Pot	190–380	120	1.6–3.2	Standard outlet
Dehumidifier	380–770	120	3.2–6.4	Standard outlet
Desktop Computer	4–385	120	0–3.2	Standard outlet
Dishwasher	852–1,440	120	7.1–12	20 A, dedicated
Electric Blanket	60–100	120	0.5–0.8	Standard outlet
Electric Dryer	2,800–5,600	240	11.7–23.3	30 A, dedicated
Electric Oven	3,600–9,000	240	15–37.5	Standard outlet
Electric Range	1,200–12,000	240	5–50	50 A, dedicated
Electric Water Heater	4,500–5,500	240	18.8–22.9	30 A, dedicated
Fan	5–125	120	0–1	Standard outlet
Furnace	78–836	120	0.7–7	Standard outlet
Gaming PC	350–850	120	2.9–7.1	Standard outlet

APPLIANCE	RUNNING WATTS	VOLTS	AMPS	CIRCUIT
Garbage Disposal	360–1,224	120	3–10.2	Standard outlet
Gas Stove	384–432	120	3.2–3.6	Standard outlet
Hair Dryer	1,200–1,875	120	10–15.6	Standard outlet
Heat Pump	1,780–3,820	240	7.4–15.9	Standard outlet
Hot Tub	4,000–5,500	240	16.7–22.9	50 A, dedicated
House	1,182–1,232	240	—	Standard outlet
Laptop	35–245	120	0.3–2	Standard outlet
Light Bulb	6–100	120	0–0.8	Standard outlet
Microwave	1,050–1,700	120	8.8–14.2	20 A, dedicated
Mini Fridge	110	120	0.9	Standard outlet
Mini Split	500–2,500	240	2.1–10.4	Standard outlet
Phone Charger	5–45	120	0–0.4	Standard outlet
Pool Pump	62–1,296	240	0.3–5.4	15 A
Portable Air Conditioner	800–1,420	120	6.7–11.8	Standard outlet
Power Tool Battery Charger	85–230	120	0.7–1.9	Standard outlet
PS5	196–220	120	1.6–1.8	Standard outlet
Refrigerator	540–720	120	4.5–6	20 A, dedicated
RV Air Conditioner	1,350–1,671	120	11.3–13.9	Standard outlet
Space Heater	900–1,500	120	7.5–12.5	Standard outlet
Starlink Dish	25–100	120	0.2–0.8	Standard outlet
Sump Pump	475–750	120	4–6.3	Standard outlet
Toaster	850–1,800	120	7.1–15	Standard outlet
TV	23–155	120	0.2–1.3	Standard outlet
Washing Machine	1,200–1,320	120	10–11	20 A
Welder	2,500–4,600	240	10.4–19.2	Standard outlet
Well Pump	655–2,280	240	2.7–9.5	Standard outlet
Window Air Conditioner	440–1,250	120	3.7–10.4	Standard outlet

APPLIANCE	RUNNING WATTS	VOLTS	AMPS	CIRCUIT
Xbox	55–169	120	0.5–1.4	Standard outlet



Running watts by appliance, largest first. The lighter part of a bar is the upper end of the typical range. Whole-house figures are left out: they are yearly averages, not one load.

How to read the appliance wattage chart

Watts are typical ranges for current models; amps are watts ÷ volts. The nameplate on your own appliance gives the exact figure. Appliances with a compressor or motor cycle on and off, so their yearly energy use is a better guide to running cost than watts.

SOURCES

- 188 published documents, checked on 2026-11-13

Methodology. For planning only: check local code and use a licensed electrician.