

POWER TOOL WATTAGE CHART

Construction & Heavy-Duty Power Tools Wattage Chart

Tool Name	Rated (Running) Watts	Surge (Starting) Watts	Additional Notes
Air Compressor (0.25 HP)	975 W	1,600 W	Small portable model for light tasks
Air Compressor (1.00 HP)	1,600 W	4,500 W	Suitable for professional use
Air Compressor (2.00 HP)	2,800 W	7,700 W	Heavy-duty industrial grade
Concrete Vibrator (0.75 HP)	850 W	1,900 W	For small to medium concrete projects
Concrete Vibrator (2.00 HP)	1,800 W	3,600 W	For large-scale construction
Demolition Hammer (2200 W)	2,200 W	4,400 W	Typical for heavy demolition work
Electric Welder	7,800 W	0 W	No surge wattage required
High-Pressure Washer (1.00 HP)	1,200 W	3,600 W	For cleaning tasks in construction sites
Rebar Cutter (1")	2,800 W	0 W	Specialized for cutting rebar

Woodworking Power Tools Wattage Chart

Tool Name	Rated (Running) Watts	Surge (Starting) Watts	Additional Notes
Belt Sander	1,200 W	2,400 W	For large surface sanding
Bench Grinder	1,400 W	2,500 W	Common for tool sharpening
Circular Saw (7.25")	1,400 W	4,200 W	Standard size for woodworking
Disk Sander (9")	1,200 W	2,600 W	For precision sanding
Jointer / Planer	1,800 W	1,800 W	Consistent power demand
Miter Saw (10")	1,800 W	1,800 W	Common for angle cuts
Orbital Sander	1,200 W	2,600 W	For smooth surface finishing
Radial Arm Saw	2,000 W	2,000 W	Versatile for various cuts
Table Saw (10")	1,800 W	2,700 W	Standard home workshop model

Drilling & Fastening Tools Wattage Chart

Tool Name	Rated (Running) Watts	Surge (Starting) Watts	Additional Notes
Electric Drill (Light-Duty)	50-100 W	100-200 W	For drywall, wood, and light materials
Electric Drill (Heavy-Duty)	600 W	900 W	For tough materials like metal
Hammer Drill	1,000 W	3,000 W	For drilling into concrete and masonry
Impact Driver	800-1,500 W	1,600-3,000 W	For driving large screws and

Tool Name	Rated (Running) Watts	Surge (Starting) Watts	Additional Notes
			bolts
Impact Wrench (1")	1,200 W	1,400 W	Heavy-duty fastening tasks

Cutting & Trimming Tools Wattage Chart

Tool Name	Rated (Running) Watts	Surge (Starting) Watts	Additional Notes
Chain Saw (12", 1.5 HP)	900 W	0 W	For cutting wood and branches
Jig Saw	300 W	300 W	For curved and intricate cuts
Reciprocating Saw	960 W	960 W	Versatile for demolition and cutting
Hedge Trimmer	300-600 W	0 W	For gardening and landscaping
Nail Gun (Electric)	300-800 W	0 W	For fastener installation

Auxiliary & Specialty Tools Wattage Chart

Tool Name	Rated (Running) Watts	Surge (Starting) Watts	Additional Notes
Drain Cleaner	250 W	0 W	For unclogging drains
Dust Extractor /	500-1,500 W	1,000-3,000 W	For workshop cleanup

Tool Name	Rated (Running) Watts	Surge (Starting) Watts	Additional Notes
Vacuum			
Heat Gun	1,200-2,000 W	0 W	For paint stripping and heating tasks
Paint Sprayer (Airless, 0.33 HP)	600 W	1,200 W	For efficient painting
Paint Mixer / Stirrer	500-1,000 W	0 W	For mixing paint and other materials