



Power Needs Table

CATEGORY	APPLIANCES/LOAD			
	NAME	POWER (WATTS)	HOURS USED IN A DAY	WATT.HOURS PER DAY
INDUCTIVE LOAD	Room Air Conditioner	1100-3000	6.75	20250
	Central Air Conditioner	5000	4	20000
	Standing Refrigerator 15 cu. ft. (Upright)	52	24	1240
	Deep Refrigerator 15 cu. ft. (Chest)	45	24	1080
	1/3 hp Water pump	480-1200	2.5	3000
	Fridge 16 cu. ft. (AC)	50	24	1200
	Fridge 20 cu. ft. (AC)	58	24	1392
LIGHTS	Tubelight	25	8	200
	50 watt DC incandescent	50	8	400
	100 watt incandescent bulb	100	8	800
	Energy Saver 40 watt DC halogen	40	8	320
	Energy Saver 60 watt DC halogen	60	8	480
	Energy Saver CFL Bulb (40-watt equivalent)	11	8	88
	Energy Saver CFL Bulb (60-watt equivalent)	18	8	144
	Energy Saver CFL Bulb (75-watt equivalent)	20	8	160
	Energy Saver CFL Bulb (100-watt equivalent)	30	8	240
	LED Bulb 100 W equivalent	18	8	144
HEATERS	Electronic Heater	1850	5	9250
	Halogen Filament Heater	1200-1500	2	3000
	Water heater	479	2	958
	Electric blanket	200	4	800
	Engine Block Heater	150-1000	1	1000
	Waterbed Heater	400	1	400
	Stock Tank Heater	100	1	100
	Furnace Blower	300-1000	1	1000
	Clothes Dryer - Gas Heated	300-400	3	1200
TELEVISION	LED 15 inches	15	8	120
	LED 17 inches	18	8	144
	LED 19 inches	20	8	160
	LED 20 inches	24	8	192
	LED 21 inches	26	8	208
	LED 22 inches	30	8	240
	LED 24 inches	40	8	320
	LED 30 inches	50	8	400

	LED 32 inches	55	8	440
	LED 37 inches	60	8	480
	LED 42 inches	80	8	640
	LED 50 inches	100	8	800
	LCD 15 inches	18	8	144
	LCD 17 inches	20	8	160
	LCD 19 inches	22	8	176
	LCD 20 inches	26	8	208
	LCD 21 inches	30	8	240
	LCD 22 inches	40	8	320
	LCD 24 inches	50	8	400
	LCD 30 inches	60	8	480
	LCD 32 inches	70	8	560
	LCD 37 inches	80	8	640
	LCD 42 inches	120	8	960
	LCD 50 inches	150	8	1200
	Standard TV (CRT) 15 inches	65	8	520
	Standard TV (CRT) 17 inches	75	8	600
	Standard TV (CRT) 19 inches	80	8	640
	Standard TV (CRT) 20 inches	90	8	720
	Standard TV (CRT) 21 inches	100	8	800
	Standard TV (CRT) 22 inches	110	8	880
	Standard TV (CRT) 24 inches	120	8	960
	Standard TV (CRT) 29 inches	188	8	1504
	Plasma 30 inches	150	8	1200
	Plasma 32 inches	160	8	1280
	Plasma 37 inches	180	8	1440
	Plasma 42 inches	220	8	1760
	Plasma 50 inches	300	8	2400
COMPUTER	LAPTOP	60-250	8	2000
	DESKTOP (LCD MONITOR)	177	12	2124
	DESKTOP (CRT MONITOR)	270	12	3240
	Laserjet Printer	600	1.5	900
GAMES/MUSIC EQUIPMENT	Hifi	800	1	800
	Video Game Player	195	2	390
	Stereo	90	1	90
	Cable Box	20	24	480
	Satellite dish	30	24	720
	Cell Phone - recharge	2.0-4.0	1	4
	MP3 Player - recharge	0.25-0.40	1	0.4
	Clock Radio	7	1	7
KITCHEN EQUIPMENT	Oven	3000	.5	1500
	Toaster oven	1100-1200	.25	300
	Microwave	500-1500	.5	750
	Hot Plate	1200	3	3600
	Coffee Machine	1500	.5	750
	Espresso Machine	360	.5	180

	Blender	300	.5	150
	Popcorn Popper	1400	.25	350
	Can Opener	100	.25	25
	Dishwasher	1200-1500	3	4500
	Sink Waste Disposal	450	1	450
HOUSEHOLD	Iron	1100	2.5	2750
	Vacuum Cleaner	500	1.25	625
FIXTURES	Dehumidifier	350	6	2100
	Humidifier	300-1000	6	6000
	Portable Fan	100	3	300
	Ceiling Fan	100	24	2400
GARDENING EQUIPMENT	Hedge trimmer	450	2	900
	Weed eater	500	2	1000
GARAGE	1/4" drill	250	1	250
	1/2" drill	750	1	750
	1" drill	1000	1	1000
	9" disc sander	1200	1	1200
	3" belt sander	1000	1	1000
	12" chain saw	1100	1	1100
	14" band saw	1100	1	1100
	7-1/4" circular saw	900	1	900
	8-1/4" circular saw	1400	1	1400
BEAUTY/HEALTHCARE PRODUCTS	Shaver	15	.5	7.5
	Curling Iron	90	1.25	112.5
	Hair Dryer	1538	1	1538
	Waterpik	100	.25	25

