

## Current Limiter Load Limits

APPLIANCE	WATTS	AMPS
Clothes Dryer	5000	21
Computer	150	2
Dehumidifier	350	3
Dishwasher	1500	13
Freezer	440	4
Furnace	1000	9
Heater, Portable	1500	13
Hair Dryer	1250	11
Humidifier	100	1
Microwave	1450	12
Radio	35	1
Range	3500	15
Refrigerator	540	5
Television	300	3
Toaster	1250	10
DVD	40	1
Washing Machine	600	5
Water Heater	4500	19
Waterbed Heater	400	4
Well-Pump (varies with depth)	750-1000	3.5-4.0

**Examples:** (Loads are cumulative, **total** must be less than **10 amps or 30 amps**, depending on size of limiter installed). If the load exceeds the rating of the limiter, the device will operate and interrupt your total electric service.

### **10 amp limiter load**

Refrigerator (5 amps) + Washing Machine (5 amps) = **10 amps (acceptable)**

Water Heater (19 amps) = **19 amps (not acceptable - will not run)**

Refrigerator (5 amps) + Freezer (4 amps) + TV (3 amps) = **12 amps (not acceptable - will not run)**

Furnace ( 9 amps) + TV (3 amps) = **12 amps (not acceptable - will not run)**

### **30 amp limiter load**

Furnace (9 amps) + Well Pump (4 amps) + Refrigerator (5 amps) + Microwave (12 amps) = **30 amps (acceptable)**

Water Heater (19 amps) + Hair Dryer (11 amps) + TV (3 amps) = **33 amps (not acceptable - will not run)**

Clothes Dryer (21 amps) + Well Pump (4 amps) + Microwave (12 amps) = **37 amps (not acceptable - will not run)**

Range (15 amps) + Water Heater (19 amps) = **34 amps (not acceptable - will not run)**