

Calculate Electricity Consumption

STEP 1

Watts Per Day

To calculate energy consumption costs, simply multiply the unit's wattage by the number of hours your unit runs in a 24 hour period to find the number of watt-hours consumed each day. For example, let's say you use a 220 watt WKL 1060 for three hours per day. By multiplying the wattage by the number of hours the unit runs per day, we find that you are using 660 watt-hours per day. See below for watts per model.

$$220 \text{ watts} \times 3 \text{ hours} = 660 \text{ watt-hours per day}$$

STEP 2

Convert to Kilowatts

Electricity is measured in kilowatt hours on your electricity bill. Since we know that 1 kilowatt is equal to 1,000 watts, calculation how many kWh a particular device uses is easy as dividing by 1,000.

$$660 \text{ watt-hours per day} / 1000 = 0.66 \text{ kWh per day}$$

Step 3

Usage Over a Month Period

Now to find out how much the unit will cost you on your electric bill, you'll have to take the equation a bit further. First you'll need to figure out how many kWh the unit uses per month.

$$0.66 \text{ kWh per day} \times 30 \text{ days} = 19.8 \text{ kWh per month}$$

Step 4

Figuring Out the Cost

Pull out your last electric bill and see how much you pay per kWh. For this example, let's say you pay 10 cents per kilowatt hour. To find how much the unit is costing you in a month, multiply your electricity rate by the kWh per month that you calculated above.

$$19.8 \text{ kWh per month} \times \$0.10 \text{ per kWh} = \$ 1.98 \text{ per month}$$

Watts per Breezaire Model (WKL, WKE, WKCE, & WKSL)

235	1060
410	2200
480	3000
710	4000
1030	6000
1080	8000