

How much does it cost to run a kiln?

Most kilns have a metal tag imprinted with the number of amps and volts the kiln uses. These numbers are required to complete the formula for cost.

You will also need to contact your local electric company to get the current cost per kilowatt hour for your electricity.

Step 1) Multiply amps times volts = watts.

Step 2) Divide the watts number by 1,000. This equals the amount of kilowatts used per hour.

Step 3) Multiply the kilowatts by the local electrical rate per hour. This equals an hour of operation.

Step 4) Cost per hour x the number of hours used equals the cost/day.

Once heated, the heating rate drops by 30-40% so figure on 0.6 or 0.7 times the kilowatt rate after reaching the temperature you set.

For example:

15 amp x 120 volts= 1800 watts

1800 watts/ 1000=1.8 kilowatts

1.8 kilowatts x \$rate/kilowatt hour

If your rate is 17 cents/ kilowatt hour

1.8 kilowatts x \$0.17/kilowatt hour=\$0.31 per hour to heat to temperature

Once at temperature between:

$\$0.31/\text{hour} \times 0.7 = \$0.22 / \text{hour}$ (30% rate)

$\$0.31/\text{hour} \times 0.6 = \$0.19 / \text{hour}$ (40% rate)

to keep it on