

Epson WorkForce Enterprise Energy Consumption / Cost Savings

Scenario #1 – Office Printing: An office in California printing, scanning, faxing and copying an average of two hours per day, 260 workdays per year (1,820 work hours).

Epson WorkForce Enterprise	Copier Brand #1	Copier Brand #2
\$38.27 / year (\$191.35 in 5 years)	\$296.61 / year (\$1483.05 in 5 years)	\$243.03 / year (\$1215.15 in 5 years)
320 Watts Required Power: 100 – 240 V, 50/60 Hz, 9–4.5 A	2480 Watts Required Power: 208-240 VAC, 60/50 Hz, 15/13 A	2032 Watts Required Power: 120-127 VAC, 60 Hz, 16 A
<p>APPLIANCE ENERGY CALCULATOR</p> <p>My appliance: Printer/multi-function</p> <p>Wattage: 320</p> <p>Utility rate: California \$0.23/kWh</p> <p>Hours used per day: 2</p> <p>Days used per year: 260</p> <p>ENERGY USE AND COST PER YEAR</p> <p>166.4 kWh</p> <p>\$38.27</p>	<p>APPLIANCE ENERGY CALCULATOR</p> <p>My appliance: Printer/multi-function</p> <p>Wattage: 2480</p> <p>Utility rate: California \$0.23/kWh</p> <p>Hours used per day: 2</p> <p>Days used per year: 260</p> <p>ENERGY USE AND COST PER YEAR</p> <p>1289.6 kWh</p> <p>\$296.61</p>	<p>APPLIANCE ENERGY CALCULATOR</p> <p>My appliance: Printer/multi-function</p> <p>Wattage: 2032</p> <p>Utility rate: California \$0.23/kWh</p> <p>Hours used per day: 2</p> <p>Days used per year: 260</p> <p>ENERGY USE AND COST PER YEAR</p> <p>1056.64 kWh</p> <p>\$243.03</p>

“Copier Brand #1” consumes 1289.6 kilowatt hours (kWh) per year and costs \$258.34 more to operate than the Epson WorkForce Enterprise. “Copier Brand #2” consumes 1056.64 kilowatt hours (kWh) per year and costs \$204.76 more to operate annually than the Epson WorkForce Enterprise according to the Appliance Energy Calculator at www.energy.gov.

In this scenario, over a five-year lease, the Epson WorkForce Enterprise consumes an average of \$1,157.75 less than either brand.

Appliance Energy Calculator:

<https://www.energy.gov/energysaver/maps/appliance-energy-calculator>

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Scenario #2 - Production Printing: A Copy Center (FedEx Kinkos/UPS Store) in California running an eight hour shift, seven hours of printing plus an average of one hour of stoppage throughout the day to replenish paper and toner/ink and for the occasional maintenance. Below are the totals over one year (1,820 work hours).

Epson WorkForce Enterprise	Copier Brand #1	Copier Brand #2
\$133.95 / year (\$669.75 in 5 years)	\$1038.13 / year (\$5,190.65 in 5 years)	\$850.60 / year (\$4,253.00 in 5 years)
320 Watts Required Power: 100 – 240 V, 50/60 Hz, 9–4.5 A	2480 Watts Required Power: 208-240 VAC, 60/50 Hz, 15/13 A	2032 Watts Required Power: 120-127 VAC, 60 Hz, 16 A
<p>APPLIANCE ENERGY CALCULATOR</p> <p>My appliance: Printer/multi-function</p> <p>Wattage: 320</p> <p>Utility rate: California \$0.23/kWh</p> <p>Hours used per day: 7</p> <p>Days used per year: 260</p> <p>ENERGY USE AND COST PER YEAR</p> <p>582.4 kWh</p> <p>\$133.95</p>	<p>APPLIANCE ENERGY CALCULATOR</p> <p>My appliance: Printer/multi-function</p> <p>Wattage: 2480</p> <p>Utility rate: California \$0.23/kWh</p> <p>Hours used per day: 7</p> <p>Days used per year: 260</p> <p>ENERGY USE AND COST PER YEAR</p> <p>4513.6 kWh</p> <p>\$1038.13</p>	<p>APPLIANCE ENERGY CALCULATOR</p> <p>My appliance: Printer/multi-function</p> <p>Wattage: 2032</p> <p>Utility rate: California \$0.23/kWh</p> <p>Hours used per day: 7</p> <p>Days used per year: 260</p> <p>ENERGY USE AND COST PER YEAR</p> <p>3698.24 kWh</p> <p>\$850.60</p>

“Copier Brand #1” consumes 4513.6 kilowatt hours (kWh) per year and costs \$904.18 more to operate than the Epson WorkForce Enterprise. “Copier Brand #2” consumes 3698.24 kilowatt hours (kWh) per year and costs \$716.65 more and more to operate annually than the Epson WorkForce Enterprise according to the Appliance Energy Calculator at www.energy.gov.

In this scenario, over a five-year lease, the Epson WorkForce Enterprise consumes an average of \$4,386.95 less than either brand.

Appliance Energy Calculator:

<https://www.energy.gov/energysaver/maps/appliance-energy-calculator>