



*Measurement and Reporting of Product Power Consumption according to ENERGY STAR Program Requirements for Imaging Equipment V2.0*

## Product Power Consumption Measurements on Lexmark XC4140

### General

The Lexmark Acoustics and Energy Laboratory (AEL) is a source of product power consumption measurement and claims for Lexmark International, Inc. The AEL is a first party lab as recognized by the EPA and is accredited under ISO 17025. The lab performs measurement on all Lexmark products as well as products designed and manufactured by Lexmark for other Customers.

### Referenced Test Standards

The product power consumption measurements were carried out in accordance with the following test protocols and standards

1. "ENERGY STAR Program Requirements for Imaging Equipment , V2.0"
2. "ENERGY STAR Test Method for determining Imaging Equipment Energy Use V2.0 September 2014"

### Measurement Equipment

The following measurement equipment is used in the power consumption testing. All measurement equipment is calibrated on an annual basis.

Equipment	Type	Accuracy	Date of Last Calibration
Universal Power Analyzer	Yokogawa WT1600	0.2% of Range	2015-10-14 <i>(Equipment is calibrated every 12 months)</i>
AC Power Source	Pacific Power Source Corp, Model AMX-360	Voltage: 0.03% of Command Voltage Frequency: 0.01 Hz Load Regulation 0.25% Max THD: 0.1% , Response time: 5µs	Factory Cal Only <i>Annual Calibration not required as Power Analyzer Verifies AC Source</i>

### Environmental Conditions in Test Room during Test

- Temperature: 21.4 to 22.6°C
- Relative Humidity: 32 to 56%
- Barometric Pressure: 97.5 to 98.5kPa
- Ambient Wind Speed <0.5m/s



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**Lexmark**

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20151221-237-ES

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March 29, 2016

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**Test Information and Operating Conditions**

Product under Test	Lexmark XC4140		
Product Type	Color Electrophotographic Multifunction Product		
Operating Condition	Product was tested in the factory default condition.		
Paper Type	Paper Used in TEC testing follows Requirements in Reference [2]		
Testing Voltage Measured	<input checked="" type="checkbox"/> 100V / 50 Hz	<input checked="" type="checkbox"/> 115 V / 60 Hz	<input checked="" type="checkbox"/> 230 V / 50 Hz
Rated Speed	40 ppm Monochrome , 40 ppm Color		
Power Supply Type	Internal Power Supply (AC-DC)		
Interfaces used during Test	Connected interfaces follow the priority given in Table 6 of [2] <input type="checkbox"/> USB 2.0 <input checked="" type="checkbox"/> 1 GB Wired Ethernet <input type="checkbox"/> 100 MB Wired Ethernet <input checked="" type="checkbox"/> Analog Fax (Ring Down Simulator)		
IEEE 802.3Az	<input checked="" type="checkbox"/> On <input type="checkbox"/> Off		
Product Format	<input type="checkbox"/> Small <input checked="" type="checkbox"/> Standard, Not A3 <input type="checkbox"/> Standard, A3		
Calculated Measurement Uncertainty	<input checked="" type="checkbox"/> Meets $\leq 2\%$ requirement		
"Optional" Accessories attached to base Product	550 Sheet Tray Option, Fax, Hard Drive,		
Service / Maintenance Modes	<input checked="" type="checkbox"/> None <input type="checkbox"/> Present, but disabled for the Test		
Duplex Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Optional		
Features Present	<input type="checkbox"/> Digital Front End <input type="checkbox"/> Cordless Handset <input type="checkbox"/> External Power Supply		
Serial Numbers	100 V	115 V	230 V
	40C95017528PTBA#032	40C95017528PTBA#032	40C95017528PTBA#032
Test IDs	T237_6 through T237_19		M237_1 through M237_8
Date(s) of Test	2015-11-06 through 2015-11-12		
Test Performed by	M. Mohon		

**Measurement Results**

The measurement results are measured according to the testing documents referenced in the ENERGY STAR Program Requirements for Imaging Equipment V2.0 and Imaging Equipment Test Method for Determining Imaging Equipment Energy Use V2.0-September 2014.



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**Table 1:** ENERGY STAR TEC Test and Evaluation for Printers, Digital Duplicators and MFDs – ENERGY STAR Imaging Equipment V2.0 Requirements (Roman numerals indicate particular critical-component configurations detailed in Table 2)

		100 V / 50 Hz	115 V / 60 Hz	230 V / 50 Hz
1	"Off Interval" Energy (Watt – hour)	1.300E-02	1.400E-02	2.117E-02
2	"Off Interval" Time (minutes)	10.00	10.00	10.00
3	"Active0" Time (seconds)	9.42	7.80	8.45
5	"Sleep Interval" Energy* (Watt – hour)	2.436	2.437	2.480
	"Sleep Interval" Time (minutes)	60.00	60.00	60.00
6	"Job1 Interval" Energy (Watt – hour)	11.174	11.502	11.638
	"Active1" Time (seconds)	18.84	19.70	19.66
7	"Job2 Interval" Energy (Watt – hour)	10.203	10.218	10.241
	"Active2" Time (seconds)	17.27	18.24	17.60
8	"Job3 Interval" Energy (Watt – hour)	10.007	9.976	10.048
9	"Job4 Interval" Energy (Watt – hour)	9.820	9.717	9.805
10	"Final Interval" Energy (Watt – hour)	0.081	0.203	0.083
	"Final Interval" Time (minutes)	2.00	5.00	2.00
TEC	Calculated TEC Value (KWh)	<b>1.93</b>	<b>1.92</b>	<b>1.94</b>
TEC	Limits (KWh)	<b>5.95</b>		
Percent [Calculated TEC Value / Limits ]		32.4%	32.3%	32.6%



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Lexmark XC4140