

# Monochrome Cartridge Yield Report



<b>Printer Identifier</b>	Toshiba e-STUDIO520
<b>Cartridge Type</b>	Separate toner and drum
<b>Cartridge Identifiers</b>	Katun (For use in Toshiba e-STUDIO520/600/720/850)
<b>Test Methodology</b>	ISO/IEC 19752 2004-06-15
<b>Test Contact Information</b>	QualityLogic, Inc. 5401 Tech Circle Moorpark, CA 93021

## Declaration of Yield:

### Toner Cartridge Yield when tested in Toshiba e-STUDIO520:

Using the test suite defined in ISO/IEC 19752 provides the following results:  
Average K (Black) Cartridge Yield – Up to 59,355 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 19752

Using 19752 Test Suite					
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test
Katun (For use in Toshiba e-STUDIO 520/600/720/850)	K (Black)	61,190	2,960	59,355	9/9

## Test Information

Date Tested	September 17 ,2007 to October 3, 2007
Type of Cartridge	Separate toner and drum
Shake procedure used	None
Required Maintenance	A periodic maintenance is required by a qualified service technician.
Clean procedure used	None. There is no cleaning procedure in the Toshiba e-STUDIO520 "Operator's Manual for Basic Function".
End Of Life Criteria	This printer has Toner Out which stops printing. Whichever came first, either Toner Out or Fade, was used as the EOL criteria.
Print mode	Continuous
Number of printers used	3
Media used	Xerox Business 4200, 92 Brightness 20lb. weight
Paper Size	Letter
Paper feed orientation	Portrait
Computer model	Hewlett-Packard Compaq d220 MT
CPU	2.4 GHz. Celeron
Memory	512 MB
Interface	Network interface using TCP/IP.
Operating system	Microsoft Windows XP SP2
Driver version	Driver was obtained from printer via network. Driver version = 4.4.51.0
Application software	QualityLogic PageServe using Adobe Reader 8.0
Test Suite Version	Mono Laser – ISO/IEC 19752 (2004-06-15)
Print Method/Captured File	A captured print file was used. Footer and page count information was included on the printed output.
Power on off each day (Y/N)	No

## Summary Table

Cartridge Serial	Printer Serial	Temperature			Humidity			Cartridge Yield Pages	Used in Calculation (Yes/No)	EOL <sup>1</sup>
		°C			%					
		Avg. <sup>2</sup>	Max <sup>3</sup>	Min <sup>3</sup>	Avg. <sup>2</sup>	Max <sup>3</sup>	Min <sup>3</sup>			
QLI1	C7CZ22745	24.0	24.5	23.0	50.4	55.3	44.4	63,942	Yes	Toner Out
QLI5	C7CZ22745	24.0	24.6	22.6	48.8	53.9	44.8	60,283	Yes	Toner Out
QLI8	C7CZ22745	24.2	24.5	23.2	49.5	56.1	44.4	57,780	Yes	Toner Out
QLI1	CZC722754	24.0	24.5	23.0	50.3	55.3	45.6	65,891	Yes	Toner Out
QLI6	CZC722754	24.1	24.6	22.6	48.5	53.9	44.4	62,906	Yes	Toner Out
QLI9	CZC722754	23.7	24.5	22.7	50.7	56.1	45.5	56,627	Yes	Toner Out
QLI2	CZC722747	24.0	24.5	23.6	50.2	55.3	44.4	61,685	Yes	Toner Out
QLI4	CZC722747	24.0	24.4	23.0	49.3	53.3	45.6	62,147	Yes	Toner Out
QLI7	CZC722747	24.1	24.6	22.6	48.6	53.9	44.4	59,451	Yes	Toner Out

**Notes:**

No defective cartridges or printers were encountered during testing.

**Comments:**

All printers were supplied by Toshiba.  
 All consumables were acquired by QualityLogic.

<sup>1</sup> Depletion in this column indicates that the cartridge was used to deplete other cartridges but was not completed to EOL.

<sup>2</sup> Averages are for the complete test cycle of the cartridge.

<sup>3</sup> Maximum and minimum averages are the averages of all four consecutive readings, per the ISO standard.