

Monochrome Cartridge Yield Report



Printer Identifier	Toshiba e-STUDIO202L
Cartridge Type	Separate toner and drum
Cartridge Identifiers	Katun (For use in Toshiba e-STUDIO200/230/280)
Test Methodology	ISO/IEC 19752 2004-06-15
Test Contact Information	QualityLogic, Inc. 5401 Tech Circle Moorpark, CA 93021

Declaration of Yield:

Toner Cartridge Yield when tested in Toshiba e-STUDIO202L:

Using the test suite defined in ISO/IEC 19752 provides the following results:

Average K (Black) Cartridge Yield – Up to 19,294 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 200/230/280)	K (Black)	20,125	1,341	19,294	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	<p>A periodic maintenance is required by a qualified service technician.</p> <p>After every cartridge change, the transfer charger wire is cleaned.</p> <ol style="list-style-type: none"> 1. Open the transfer cover to take out the transfer charger cleaner from the front pocket. 2. Insert the transfer charger cleaner into the edge of the transfer separation unit and run it across the transfer charger wire. Remove the cleaner after cleaning, then press it against the wall of the next charger. Check if the wall of the next charger and check if the cleaner pad contacts the wire. 3. Return the transfer charger cleaner to the front pocket and close the transfer cover.
Clean procedure used	Turn printer off. Open the front door and locate the cleaning knob. Hold the cleaning knob, pull it out slowly and fully to the front and push it back to the inside carefully and completely. Repeat this 2 or 3 times.
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 = 4.7.51.0
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 ¹
		°C			%					
		Avg. ²	Max ³	Min ³	Avg. ²	Max ³	Min ³			
QLI2	CQB718858	24.0	24.5	23.6	50.2	55.3	44.4	19,985	Yes	Toner Out
QLI5	CQB718858	24.0	24.6	22.6	49.3	53.9	43.3	20,063	Yes	Toner Out
QLI8	CQB718858	24.0	24.5	22.7	49.4	56.1	44.4	20,512	Yes	Toner Out
QLI3	CQB718833	24.0	24.5	23.0	50.3	55.3	44.4	21,689	Yes	Toner Out
QLI6	CQB718833	24.0	24.6	22.6	48.8	53.9	43.3	21,875	Yes	Toner Out
QLI9	CQB718833	23.8	24.5	22.7	50.3	56.1	45.5	19,584	Yes	Toner Out
QLI1	CQB718828	24.0	24.5	23.6	50.2	55.3	44.4	19,473	Yes	Toner Out
QLI4	CQB718828	24.0	24.5	23.0	49.8	53.3	45.6	17,339	Yes	Toner Out
QLI7	CQB718828	24.1	24.6	22.6	48.8	56.1	43.3	20,608	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.

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

² Averages are for the complete test cycle of the cartridge.

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