Xerox WorkCentre® Pro C3545

Buyers Laboratory Inc. (BLI) has been commissioned to test the print productivity of the Xerox WorkCentre Pro C3545 versus major competitive systems using banner pages with a BLI test suite. Testing was done in Monochrome only mode, where all documents were only printed in black-and-white, and also in mixed Mono/Color mode, where documents that contained color were printed in color. While Xerox has commissioned the following report, the testing was objectively done by Buyers Laboratory who determined the test methodology and developed a test suite that includes banner pages with a mix of jobs that are typically printed in an office environment. ***This report was prepared by Buyers Laboratory Inc.***

Test Results Summary

This report examines the print productivity of the Xerox WorkCentre Pro C3545 in the tested office environment and compares it to that of the Canon imageRUNNER C3200, Canon imageRUNNER C3220, Canon imageRUNNER C6800, HP LaserJet 9500mfp, Konica Minolta C350, Ricoh Aficio 2238C, and Toshiba e-STUDIO4511 in this environment. Test results listed herein are based on mono mode and mixed mono/color modes. The first number reflects performance in mono mode and the second number reflects mixed mono/color mode (e.g., 1.5 / 2.6 times faster than the stated competitor).

Test results showed that the Xerox WorkCentre Pro C3545 was 2.10 / 2.60 times faster than the Canon imageRUNNER C3200, 2.03 / 1.60 times faster than the Canon imageRUNNER C3220, 1.53 / 3.67 times faster than the Canon imageRUNNER C6800, 1.62 / 1.40 times faster than the HP LaserJet 9500mfp, 1.23 / 1.65 times faster than the Konica Minolta C350, 1.54 / 1.63 times faster than the Ricoh Aficio 2238C, and 1.50 / 2.77 times faster than the Toshiba e-STUDIO4511. Each product was operated in default mode with resolution set at 600 dpi, and multiple jobs from the BLI test suite were sent in series to each device. Output from each application consisted of a mix of single and multiple stapled sets with a banner page for each job in the test suite. The order in which jobs were sent was randomly selected and was the same for each model.

Buyers Laboratory Inc. Overview

Buyers Laboratory Inc. (BLI), which is located in Hackensack, NJ, has been testing office equipment for more than 40 years and is the nation's leading independent office equipment test lab and business consumer advocate. In addition to providing purchasing advice and consulting services to business consumers, BLI conducts the industry's most comprehensive in-house testing of multifunctional document imaging products, printers and fax machines. BLI also provides a range of additional testing services that includes testing of office equipment consumables and supplies, office papers, and pre-launch product evaluations and product performance certification. More information on BLI can be obtained by visiting www.buyerslab.com or calling 201-488-0404.

Test Suite

Testing was conducted using 15 common office jobs that were selected by BLI as being representative of common office print applications. Jobs consisted of Microsoft Word, PowerPoint, Excel, Outlook (E-mail) and Adobe Acrobat. The client operating system used in the test was Windows 2000. PostScript was selected for the page description language.

Note: Testing was conducted by Buyers Laboratory Inc. (BLI), with each product operating in default mode and resolution set at 600 dpi. Multiple jobs from BLI's test suite were sent in series to each device, with output from each application consisting of a mix of color and black-and-white documents, and single and multiple stapled sets with a banner page for each job in the suite. Times were clocked from a paused state until the trail edge of the last page of the last job was ejected onto the exit tray. Test PCs were Windows 2000, Pentium 4, 2.2 GHZ, 256 MB.

Xerox WorkCentre® Pro C3545 Test Results*

Print Modes (Mono only and Mixed Mono/Color)	Mono Only	Mono/Color
Tested Performance in pages per minute (PPM)	23.19 PPM	17.71 PPM
Rated Speed of Xerox WorkCentre Pro C3545		
- Mono only mode	45 PPM	Not Applicable
- Mono/Color mode	Not Applicable	35 PPM

BLI TEST SUITE

File Name	Application	File Size	Pages	Sets	Simplex/Duplex
Test File 1	Microsoft Word – Black and White	21.5 kb	2	1	Simplex
Test File 2	Microsoft PowerPoint - Color	96.5 kb	5	3	Duplex
Test File 3	Microsoft Word – Black and White	28.0 kb	3	1	Simplex
Test File 4	Microsoft PowerPoint - Color	141 kb	10	1	Duplex
Test File 5	Microsoft Word – Black and White	28.0 kb	3	1	Simplex
Test File 6	Microsoft Word – Black and White	21.5 kb	2	1	Simplex
Test File 7	Adobe Acrobat - Color	2.04 MB	28	1	Duplex
Test File 8	Microsoft Outlook – Black and White	96.0 kb	1	1	Simplex
Test File 9	Microsoft Outlook – Black and White	96.0 kb	2	1	Simplex
Test File 10	Microsoft Excel - Color	37.5 kb	2	1	Simplex
Test File 11	Microsoft Outlook – Black and White	22.0 kb	2	1	Simplex
Test File 12	Microsoft Outlook – Black and White	11.5 kb	1	1	Simplex
Test File 13	Adobe Acrobat - Color	2.42 MB	2	2	Simplex
Test File 14	Microsoft Excel - Color	37.5 kb	2	1	Simplex
Test File 15	Microsoft Word – Black and White	30.5 kb	4	1	Simplex

*__*Note:__ Print productivity testing was conducted by Buyers Laboratory Inc. (BLI), with each product operating in default mode and resolution set at 600 dpi. Multiple jobs from a BLI test suite were sent in series to each device, with output consisting of a mix of color and black-and-white documents, and single and multiple stapled sets with a banner page for each job in the test suite. The order in which jobs were sent was randomly selected and was the same for each model.*
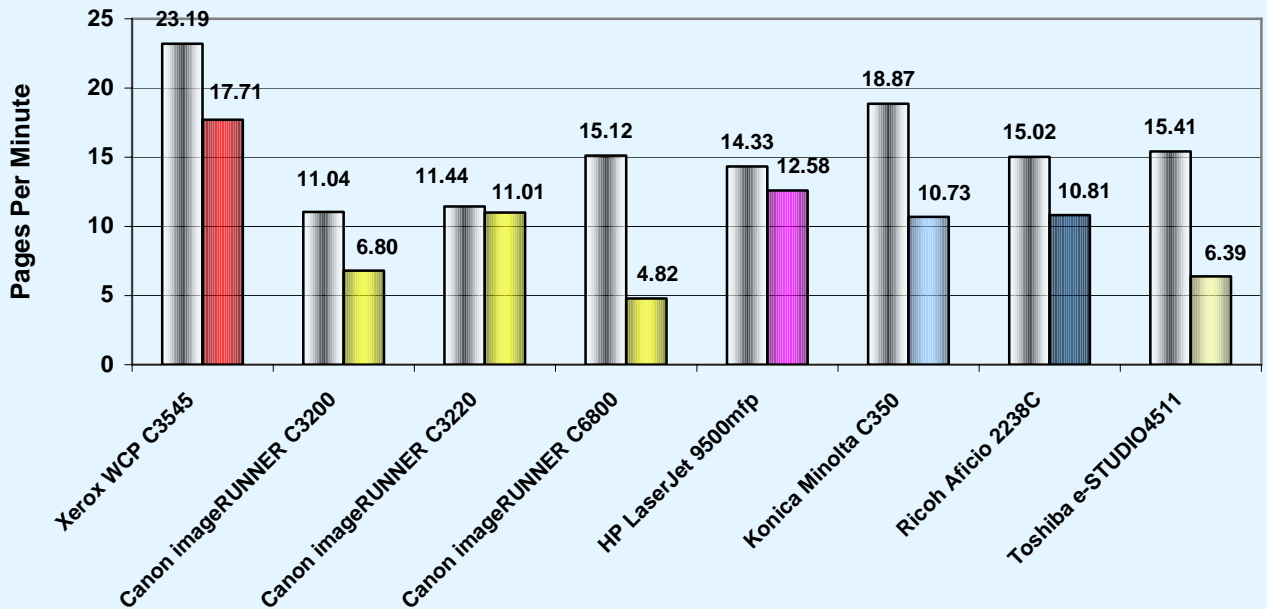
Print Productivity Comparisons

Xerox WorkCentre® Pro C3545 Versus Competitors*

The Xerox WorkCentre Pro C3545 was up to 2.10 times faster than the respective competitors when printing in the Mono only mode and up to 3.67 times faster than the competition when printing in mixed Mono/Color mode as tested by Buyers Lab, indicating that in a busy networked office environment, the Xerox WorkCentre Pro C3545 is capable of handling multiple jobs such as the BLI test suite very efficiently and with strong productivity advantages over the competitive systems that were tested. Tests were run in Mono mode as well as in Mono/Color mode. The Xerox WorkCentre Pro C3545 produced the BLI test suite at 23.19 pages per minute (PPM) in the Mono mode and 17.71 PPM in Mono/Color mode compared with the respective competitors, which completed the same jobs at speeds that ranged from 11.04 PPM to 18.87 PPM in the Mono mode and 4.82 PPM to 12.58 PPM in the Mono/Color mode.

Network Print Productivity

Pages Per Minute	Mono	Mono/Color
Xerox WCP C3545	23.19	17.71
Canon imageRUNNER C3200	11.04	6.80
Canon imageRUNNER C3220	11.44	11.01
Canon imageRUNNER C6800	15.12	4.82
HP LaserJet 9500mfp	14.33	12.58
Konica Minolta C350	18.87	10.73
Ricoh Aficio 2238C	15.02	10.81
Toshiba e-STUDIO4511	15.41	6.39

Black-and-White Bars: Test results with the BLI suite run in Mono Mode.
Colored Bars: Test results with the BLI suite run in Mono/Color Mode.

*Note: Print productivity testing was conducted by Buyers Laboratory Inc. (BLI), with each product operating in default mode and resolution set at 600 dpi. Multiple jobs from a BLI test suite were sent in series to each device, with output consisting of a mix of color and black-and-white documents, and single and multiple stapled sets with a banner page for each job in the test suite. The order in which jobs were sent was randomly selected and was the same for each model.

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