



BLI Print Productivity Analysis Xerox WorkCentre Pro 90



Buyers Laboratory Inc. (BLI) has been commissioned to test the print productivity/efficiency of the Xerox WorkCentre Pro 90 versus major competitive systems. While Xerox has commissioned the following report, the testing was objectively done by Buyers Lab with no direction from Xerox as to the selection of jobs used to represent a common office environment. **This report was prepared by Buyers Laboratory Inc.**

Test Results Summary

This report examines the print productivity/efficiency of the Xerox WorkCentre Pro 90 in the tested office environment. It also compares the print productivity/efficiency of the Xerox WorkCentre Pro 90 to the Canon imageRUNNER 8500, the Canon imageRUNNER 105, the Ricoh Aficio 2090 and the Ricoh Aficio 1105.

Testing showed that the Xerox WorkCentre Pro 90 was 2.4 times faster than the Canon imageRUNNER 8500, 3.3 times faster than the Canon imageRUNNER 105, 3.2 times faster than the Ricoh Aficio 2090, and 3.3 times faster than the Ricoh Aficio 1105. Each product was operated in default mode with resolution set at 600 dpi, and multiple jobs from a 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.

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 imaging products, printers and fax machines. BLI also provides a range of additional testing services that includes testing of office equipment consumables and supplies, paper, furniture and electronic components, as well as simulated environmental testing, transportation testing and vibration testing. 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. We believe the 15 jobs that were selected represent a common office environment. Jobs consist of Microsoft Word, PowerPoint, Excel, Outlook (E-mail) and Adobe Acrobat. The operating system and client workstation software used in the test is Windows 2000. PCL 5e was selected for the page description language because it is included with network offerings for all tested systems. (PostScript is an option for some of the tested systems). 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 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.



BLI Print Productivity Test Results Xerox WorkCentre Pro 90



BLI Test Results: Xerox WorkCentre Pro 90
Actual Performance in pages per minute: 55.35 PPM
Rated Speed of Xerox WorkCentre Pro 90: 90 PPM
Total efficiency: 61.5% (Tested speed/Rated Speed)

BLI Test Suite

File Name	Application	File Size	Pages	Sets	Simplex / Duplex
Test File 1	Microsoft Word	21.5 kb	2	1	Simplex
Test File 2	Microsoft PowerPoint	96.5 kb	5	3	Duplex
Test File 3	Microsoft Word	28.0 kb	3	1	Simplex
Test File 4	Microsoft PowerPoint	141 kb	10	1	Duplex
Test File 5	Microsoft Word	28.0 kb	3	1	Simplex
Test File 6	Microsoft Word	21.5 kb	2	1	Simplex
Test File 7	Adobe Acrobat	2.04 MB	28	1	Duplex
Test File 8	Microsoft Outlook	96.0 kb	1	1	Simplex
Test File 9	Microsoft Outlook	96.0 kb	2	1	Simplex
Test File 10	Microsoft Excel	37.5 kb	2	1	Simplex
Test File 11	Microsoft Outlook	22.0 kb	2	1	Simplex
Test File 12	Microsoft Outlook	11.5 kb	1	1	Simplex
Test File 13	Adobe Acrobat	2.42 MB	2	2	Simplex
Test File 14	Microsoft Excel	37.5 kb	2	1	Simplex
Test File 15	Microsoft Word	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 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. The WorkCentre Pro 90 was tested with the Professional Finisher.



BLI Test Results

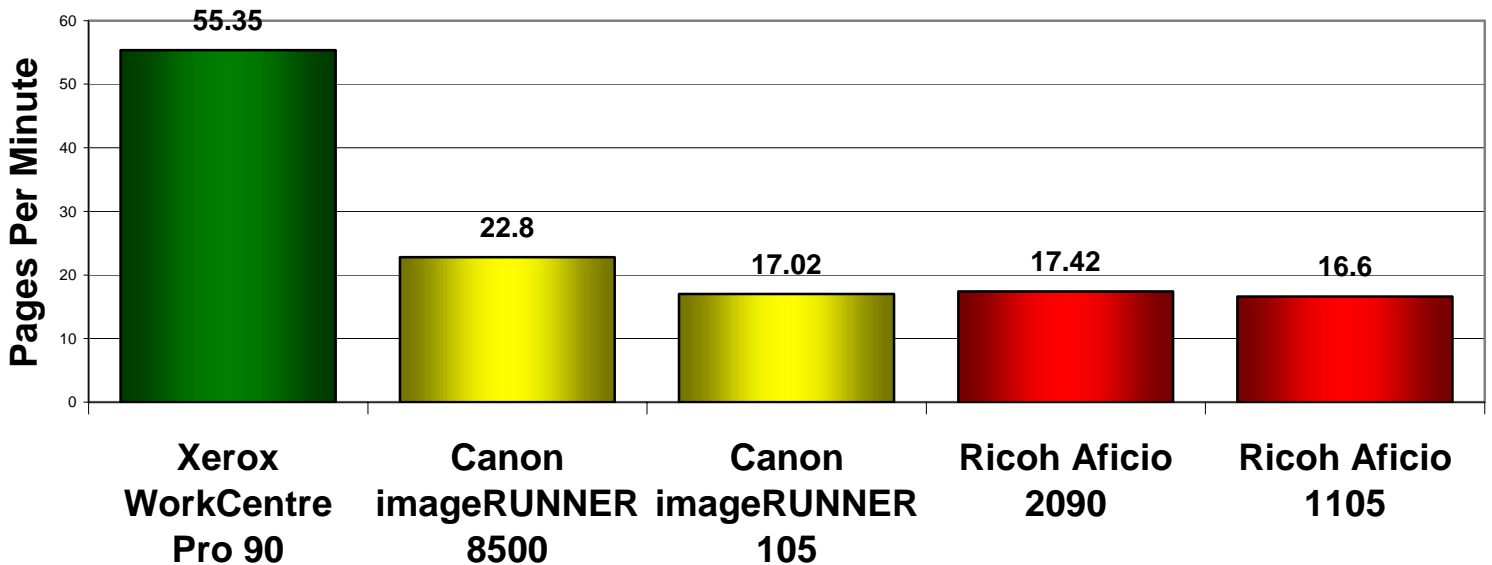
Printing Productivity Comparisons

Xerox WorkCentre Pro 90 Versus Competitors



The Xerox Document Centre was 2.4 times faster than the Canon imageRUNNER 8500, 3.3 times faster than the Canon imageRUNNER 105, 3.2 times faster than the Ricoh Aficio 2090, and 3.3 times faster than the Ricoh Aficio 1105, as tested by Buyers Lab. In a busy networked office environment, the Xerox WorkCentre Pro 90 manages multiple jobs with little effort and offers strong productivity advantages over the competitive systems that were tested.

Network Printing Performance



Note: Print productivity 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 single and multiple stapled sets with a banner page for each job. The order in which jobs were sent was randomly selected. The WorkCentre Pro 90 was tested with the Professional Finisher.



BLI Print Productivity Test Results

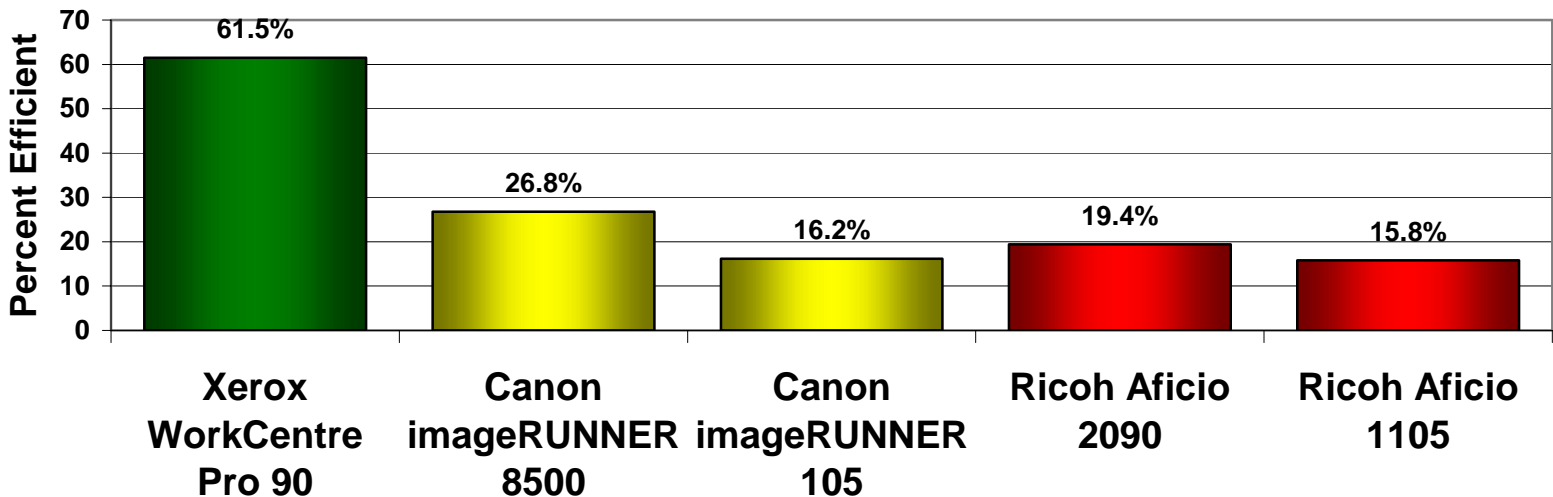
Printing Efficiency

Xerox WorkCentre Pro 90 Versus Competitors



Another way to look at performance is to examine the efficiency of the system. Efficiency is another factor in determining the price/value relationship of a system. **Efficiency** is determined by dividing the **tested speed** by the **rated speed** of the system. For example, a system that is rated at 40 PPM but actually runs at 20 pages per minute is running at 50% efficiency (20 PPM/40 PPM), producing one half the output of the rated speed of the device. BLI test results show that the **Xerox WorkCentre Pro 90** was **61% efficient** versus the respective competition that ranged from 16% to 27% efficient.

Network Printing Efficiency (Tested Performance / Rated Speed)



Note: Print productivity 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 single and multiple stapled sets with a banner page for each job. The order in which jobs were sent was randomly selected. The order in which jobs were sent was randomly selected.

XEROX, The Document Company, the digital X, and WorkCentre are registered trademarks of Xerox Corporation.