
HP Officejet Pro K5000 Series Printer L7000 Series All-in-One

Throughput Speed Performance

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Throughput Speed Performance — Methodology

Compare Throughput Print Times

Tested Devices

- HP K5400 Printer (part of K5000 Series) and
- HP L7780 All-in-One (part of L7000 Series)
- Samsung CLP-300 color laser printer
- Brother MFC-9420CN, and Epson AcuLaser CX11NF color laser AiOs

Test Documents

- Color: “Pie V” HP two-page Word document with mixed text & graphics

Test Procedure

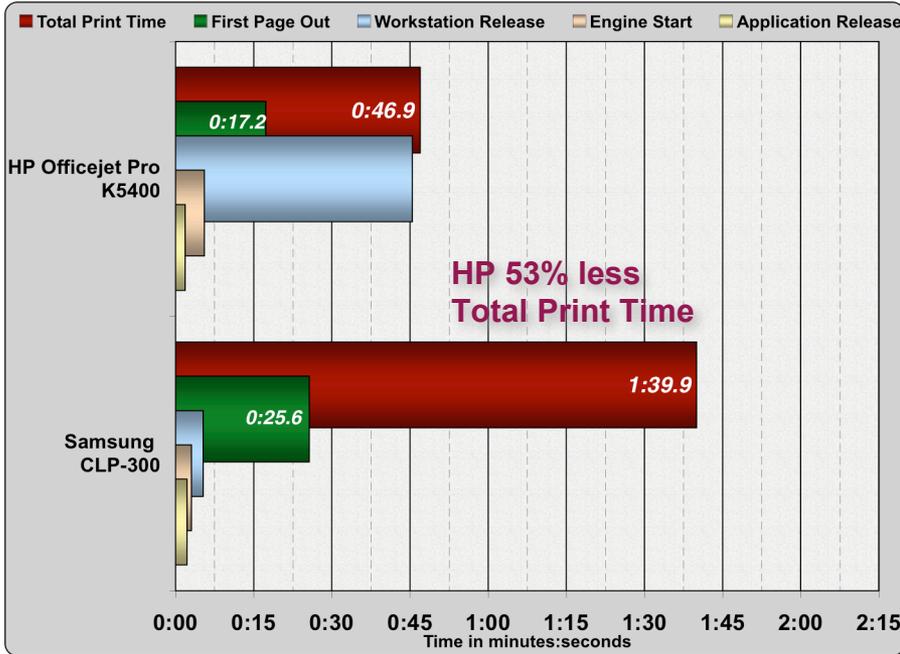
- Test document sent as a two-page, three-copy (six prints) job
 - Print Modes: plain paper default from application Microsoft Word 2003 Professional Edition
 - Timings averaged over several iterations assure accurate results
- Test document printed from printer **READY** and **POWERSAVE** modes
 - POWERSAVE mode after intervals of at least 30 minutes
- Measurement intervals begin with request-to-print: clicking **PRINT** in application dialog box
 - **Application Release:** application has completed creating the print file and is freed to perform other tasks
 - **Workstation Release:** the print file disappears from the printer’s queue
 - **Engine Start:** a perceptible sound or mechanical action of the printer
 - **First Page Out:** last edge of the first page drops into the output tray
 - **Total Print Time:** when the last page drops into the output tray
- Test Environment
 - PC configuration: 3.0 GHz Dell OptiPlex Pentium 4 workstation with a 40 GB hard drive and 512 MB RAM running Windows XP
 - Connectivity: High Speed USB 2.0 communication with each printer, one-at-a-time
 - Printer Drivers: HP-provided prior to commercial release; otherwise then current version from manufacturer websites



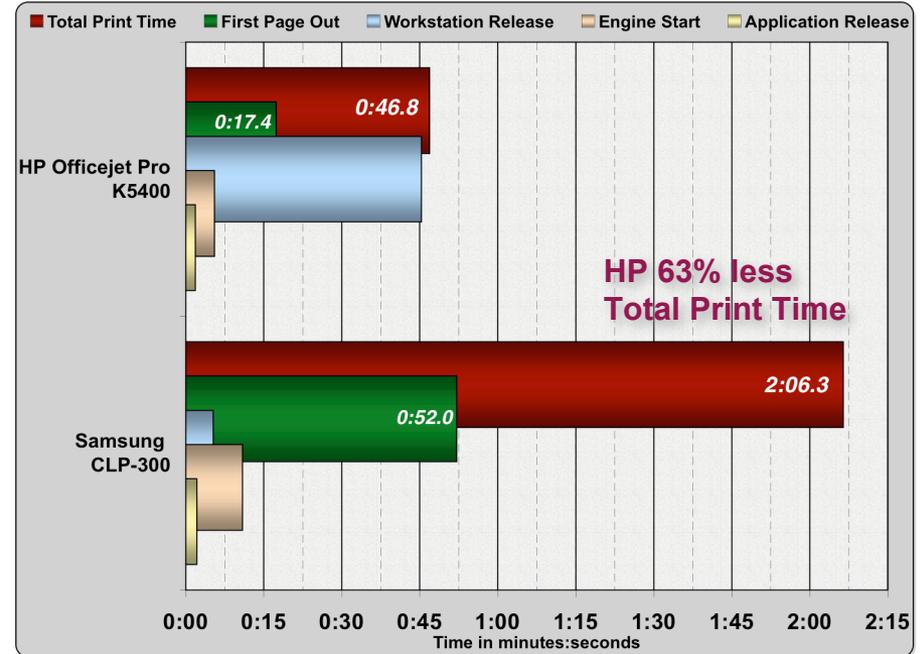
Throughput Speed Performance: HP Officejet Pro K5000 Series Color Inkjet and Samsung CLP-300 Color Laser Printer

MS WORD, MIXED TEXT & GRAPHICS
2-Pages, 3-Copies

from Ready mode



from Powersave mode



HP Officejet Pro K5000 Series Color Inkjet Printer
had faster FIRST PAGE OUT and faster TOTAL PRINT TIME
than Samsung CLP-300 Color Laser Printer
from both *READY* and *POWERSAVE* modes

HP Officejet Pro K5000 Series TOTAL PRINT TIME from POWERSAVE was before Samsung CLP-300's FIRST PAGE OUT

All testing performed using default driver settings; K5400 is a model of K5000 Series
Not all HP Officejet Pro K5000 Series models are available in all countries or regions

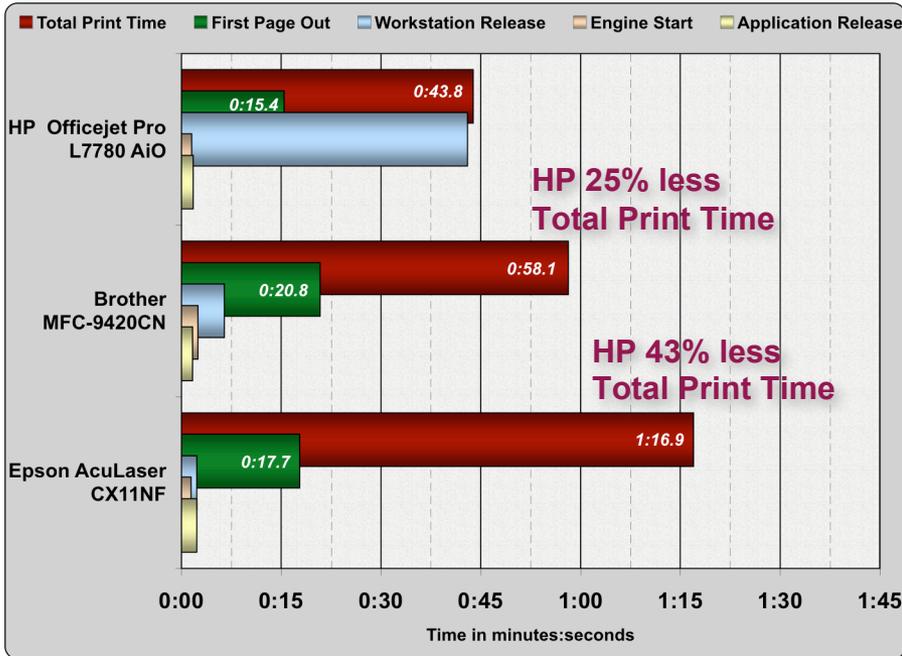
Independent testing by SpencerLab Digital Color Laboratory was commissioned by Hewlett-Packard Company



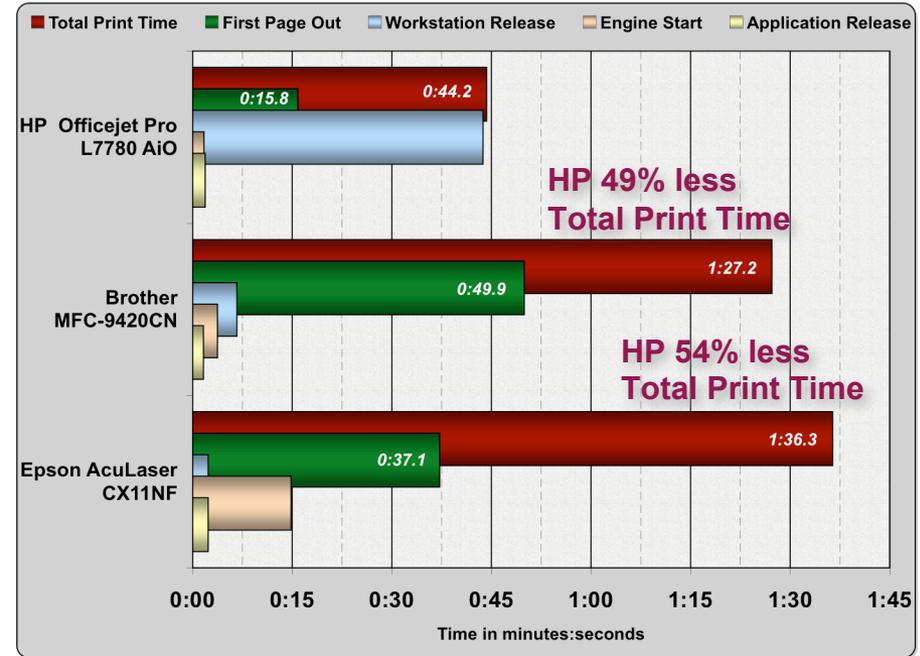
Throughput Speed Performance: HP Officejet Pro L7000 Series Color Inkjet AiO, Brother MFC-9420CN, and Epson AcuLaser CX11NF

MS WORD, MIXED TEXT & GRAPHICS
2-Pages, 3-Copies

from Ready mode



from Powersave mode



HP Officejet Pro L7000 Series Color Inkjet AiO
had faster FIRST PAGE OUT and faster TOTAL PRINT TIME
than Brother MFC-9420CN and Epson AcuLaser CX11NF AiOs
from both *READY* and *POWERSAVE* modes

HP Officejet Pro L7000 Series TOTAL PRINT TIME from POWERSAVE was before Brother MFC-9420's FIRST PAGE OUT

All testing performed using default driver settings; L7780 is a model of L7000 Series
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Independent testing by SpencerLab Digital Color Laboratory was commissioned by Hewlett-Packard Company

