

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP LaserJet Pro 200 Color MFP M276nw

Printing device and settings		
Test Start Date and Time	9/5/2012 17:18	
Tester	KN	
Machine name/model	HP LaserJet Pro 200 Color MFP M276nw	
Colour or B&W	Colour	
FW Version	20120820_0640	
Temperature and Humidity	77.0 degF / 25.0 degC, 29.3 %rH	
Voltage	110V	
Test End Date and Time	9/26/2012 9:38	

	Item	Value
Mode and Setting	Driver Version	61.117.1.11493
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print Grayscale set in Driver
	Duplex B&W Settings	N/A
	Setting N set count	Application
Paper Path	Collating function	Activated (application)
	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
Paper	Duplexing Unit (Yes/No)	No
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Colorlok / Xerox Business 4200

Summary Report: Letter			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	32	14
	Duplex	N/A	N/A
B&W	Simplex	31	14
	Duplex	N/A	N/A

Notes  
Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

Detailed Report: LETTER						
	Office Category Test	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	1 set + 30sec
(Color for color device, B&W for monochrome device)	Simplex - Adobe Reader	31.75	7.55 (1 set)	11.93 (5 sets)	13.38 (18 sets)	14.03
	Simplex - Word	31.00	7.73 (1 set)	12.06 (5 sets)		14.04
	Simplex - Excel	30.75	7.80 (1 set)	12.10 (5 sets)		14.03
	Simplex - Average	32	7	12	13	14
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
	Duplex - Word	N/A	N/A	N/A		N/A
	Duplex - Excel	N/A	N/A	N/A		N/A
	Duplex - Average	N/A	N/A	N/A		N/A
B&W mode (optional for color device)	Simplex - Adobe Reader	31.07	7.72 (1 set)	12.01 (5 sets)	13.41 (18 sets)	14.03
	Simplex - Word	30.41	7.88 (1 set)	12.14 (5 sets)		14.03
	Simplex - Excel	30.13	7.96 (1 set)	12.17 (5 sets)		14.03
	Simplex - Average	31	7	12	13	14
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
	Duplex - Word	N/A	N/A	N/A		N/A
	Duplex - Excel	N/A	N/A	N/A		N/A
	Duplex - Average	N/A	N/A	N/A		N/A

Notes  
Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

Test System Parameters	
Item	Value
Computer	HP XW8400 Workstation
Processor	Intel Xenon 2.66 GHz, X5355
System Chip Set	Intel 5000P
System Board	Standard system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	ATI FireGL V7200
Optical Drive	HP GSA-H60L SATA interface
I/O Subsystem	Builtin
USB Subsystem	USB 2.0
TCP/IP	TCP/IP 10/100
Operating System	Windows XP Professional, SP 3
Printing Applications	Microsoft Office Word 2003
	Microsoft Office Excel 2003
	Adobe Reader 8.0
Test files and location	Office category files, hard drive

**ISO/IEC 24734 Printing Productivity Report: Office Category**

**Full Detailed Test Report - A4**

HP LaserJet Pro 200 Color MFP M276nw

Printing device and settings		
Test Start Date and Time	9/5/2012 17:18	
Tester	KN	
Machine name/model	HP LaserJet Pro 200 Color MFP M276nw	
Colour or B&W	Colour	
FW Version	20120820_0640	
Temperature and Humidity	77.0 degF / 25.0 degC, 29.3 %rH	
Voltage	110V	
Test End Date and Time	9/26/2012 9:38	
Item		
Value		
Mode and Setting	Driver Version	61.117.1.11493
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print Grayscale set in Driver
	Duplex B&W Settings	N/A
	Setting N set count	Application
Paper Path	Collating function	Activated (application)
	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
Paper	Duplexing Unit (Yes/No)	No
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
Paper type/name		HP Multipurpose Colorfok / Xerox Business 4200

Summary Report: A4			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	32	14
	Duplex	N/A	N/A
B&W	Simplex	31	14
	Duplex	N/A	N/A

Notes  
Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

Detailed Report: A4						
	Office Category Test	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	1 set + 30sec
Defaults (Color for color device, B&W for monochrome device)	Simplex - Adobe Reader	32.03	7.49 ( 1 set )	11.90 ( 5 sets )	13.37 ( 18 sets )	14.02
	Simplex - Word	31.33	7.66 ( 1 set )	12.02 ( 5 sets )		14.04
	Simplex - Excel	30.90	7.76 ( 1 set )	12.06 ( 5 sets )		14.02
	Simplex - Average	32	7	11	13	14
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
	Duplex - Word	N/A	N/A	N/A		N/A
	Duplex - Excel	N/A	N/A	N/A		N/A
	Duplex - Average	N/A	N/A	N/A		N/A
B&W mode (optional for color device)	Simplex - Adobe Reader	31.38	7.64 ( 1 set )	11.99 ( 5 sets )	13.40 ( 18 sets )	14.05
	Simplex - Word	30.59	7.84 ( 1 set )	12.11 ( 5 sets )		14.04
	Simplex - Excel	30.42	7.88 ( 1 set )	12.14 ( 5 sets )		14.02
	Simplex - Average	31	7	12	13	14
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
	Duplex - Word	N/A	N/A	N/A		N/A
	Duplex - Excel	N/A	N/A	N/A		N/A
	Duplex - Average	N/A	N/A	N/A		N/A

Notes  
Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

Test System Parameters	
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System Chip Set	Intel 5000P
System Board	Standard system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	ATI FireGL V7200
Optical Drive	HP GSA-H60L SATA interface
I/O Subsystem	Built-in
USB Subsystem	USB 2.0
TCP/IP	TCP/IP 10/100
Operating System	Windows XP Professional, SP 3
Printing Applications	Microsoft Office Word 2003
	Microsoft Office Excel 2003
	Adobe Reader 8.0
Test files and location	Office category files, hard drive

**ISO/IEC 29183 Copy Productivity Report**

**Full Detailed Test Report - LETTER**

HP LaserJet Pro 200 Color MFP M276nw

Machine Setup Information	
Test Start Date and Time	9/5/2012 17:18
Tester	KN
Machine name/model	HP LaserJet Pro Color MFP M276nw
Colour or B&W	Colour
Configuration (options)	Not Specified
Temperature and Humidity	77.0 degF / 25.0 degC, 29.3 %rH
Test End Date and Time	9/26/2012 9:38

	Pre-set Item	Pre-set Value
Mode	Output Resolution	Default
	Output Quality	Default
	Copying Mode	Colour for Colour and B&W for B&W
	Auto Density Adjustment	Default
	Collating function	Activated (application)
Paper	Paper Sending Direction	Default
	Paper Type Setting	Default
Paper Path	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
Temporary Stop	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None

Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Colorlok / Xerox Business 4200

Summary Report: Letter		
	sFCOT	sESAT (ipm)
Color	23	14
B&W	19	14

Notes  
 First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.

Detailed Report: LETTER						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Color	A	22.73	2.63	10.72	13.03	14.05
				14 sets	69 sets	
	B	22.85	2.62	10.72		14.03
				14 sets		
	C	22.83	2.62	10.71		14.04
				14 sets		
B&W	D	22.75	2.63	10.71		14.02
				14 sets		
	Average	23	2	10	13	14
	A	18.08	3.31	11.41	13.41	14.04
				14 sets	69 sets	
	B	18.07	3.31	11.40		14.02
			14 sets			
C	18.06	3.31	11.41		14.04	
			14 sets			
D	18.04	3.32	11.41		14.04	
			14 sets			
Average	19	3	11	13	14	

Notes  
 First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.

**ISO/IEC 29183 Copy Productivity Report**

**Full Detailed Test Report - A4**

HP LaserJet Pro 200 Color MFP M276nw

Machine Setup Information	
Test Start Date and Time	9/5/2012 17:18
Tester	KN
Machine name/model	HP LaserJet Pro Color MFP M276nw
Colour or B&W	Colour
Configuration (options)	Not Specified
Temperature and Humidity	77.0 degF / 25.0 degC, 29.3 %rH
Test End Date and Time	9/26/2012 9:38

	Pre-set Item	Pre-set Value
<b>Mode</b>	Output Resolution	Default
	Output Quality	Default
	Copying Mode	Colour for Colour and B&W for B&W
	Auto Density Adjustment	Default
	Collating function	Activated (application)
<b>Paper</b>	Paper Sending Direction	Default
	Paper Type Setting	Default
<b>Paper Path</b>	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
<b>Temporary Stop</b>	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None

<b>Paper</b>	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Colorlok / Xerox Business 4200

Summary Report: A4		
	sFCOT	sESAT (ipm)
<b>Colour</b>	28	14
<b>B&amp;W</b>	19	14

Notes  
 First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.

Detailed Report: A4						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
<b>Colour</b>	A	26.97	2.22	10.17 14 sets	13.03 69 sets	14.04
	B	27.02	2.21	10.16 14 sets		14.02
	C	27.05	2.21	10.17 14 sets		14.04
	D	26.98	2.22	10.17 14 sets		14.03
	Average	28	2	10	13	14
<b>B&amp;W</b>	A	18.47	3.24	11.34 14 sets	13.39 69 sets	14.04
	B	18.46	3.25	11.34 14 sets		14.02
	C	18.47	3.24	11.34 14 sets		14.03
	D	18.53	3.23	11.35 14 sets		14.05
	Average	19	3	11	13	14

Notes  
 First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.