

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP Color LaserJet Pro M252dw

Printing device and settings	
Test Start Date and Time	12/3/2014 10:56
Tester	JB
Machine name/model	Color LaserJet Pro M252dw
Colour or B&W	Colour
FW Version	20141112
Temperature and Humidity	74 degF / 23 degC, 28 %RH
Voltage	110V
Test End Date and Time	12/4/2014 11:40

Item	Value	
Mode and Setting	Driver Version	Fusion14_0_Release14309_346-243
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	Setting N set count	Application
	Collating function	Activated (application)
Paper Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
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			
Office Category	Test for Color Device	FSOT (seconds)	ESAT (ipm)
Color	Simplex	22.4	19.2
	Duplex	32.6	11.4
B&W	Simplex	21.0	19.2
	Duplex	32.1	11.4

Notes
 1) All printing device and driver settings were default mode.
 2) For the B/W results, the print driver was set to "print in B/W".
 3) For more information see <http://www.hp.com/go/printerclaims>.
 4) Port monitor not configured to follow device if the IP address changes.

Detailed Report: LETTER						
	Office Category Test	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
			1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	
Color Mode	Simplex - Adobe Reader	22.88	10.48 (1 set)	15.91 (4 sets)	18.48 (22 sets)	19.21
	Simplex - Word	21.88	10.96 (1 set)	16.16 (4 sets)		19.20
	Simplex - Excel	22.17	10.82 (1 set)	16.07 (4 sets)		19.21
	Simplex - Average	22.4	10.7	16.0	18.4	19.2
	Duplex - Adobe Reader	32.79	7.30 (1 set)	9.60 (3 sets)		11.44
	Duplex - Word	32.14	7.46 (1 set)	9.69 (3 sets)		11.44
	Duplex - Excel	32.70	7.32 (1 set)	9.64 (3 sets)		11.44
	Duplex - Average	32.6	7.3	9.6		11.4
B&W mode <small>(optional for color device)</small>	Simplex - Adobe Reader	21.50	11.15 (1 set)	16.30 (4 sets)	N/A	19.20
	Simplex - Word	20.50	11.70 (1 set)	16.55 (4 sets)		19.23
	Simplex - Excel	20.85	11.51 (1 set)	16.44 (4 sets)		19.20
	Simplex - Average	21.0	11.4	16.4	N/A	19.2
	Duplex - Adobe Reader	32.50	7.36 (1 set)	9.66 (3 sets)		11.44
	Duplex - Word	31.53	7.60 (1 set)	9.77 (3 sets)		11.44
	Duplex - Excel	32.19	7.44 (1 set)	9.72 (3 sets)		11.44
	Duplex - Average	32.1	7.4	9.7		11.4

Notes
 1) All printing device and driver settings were default mode.
 2) For the B/W results, the print driver was set to "print in B/W".
 3) For more information see <http://www.hp.com/go/printerclaims>.
 4) Port monitor not configured to follow device if the IP address changes.

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 - 3770, 3.4 GHz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A4

HP Color LaserJet Pro M252dw

Printing device and settings	
Test Start Date and Time	12/3/2014 10:56
Tester	JB
Machine name/model	Color LaserJet Pro M252dw
Colour or B&W	Colour
FW Version	20141112
Temperature and Humidity	74 degF / 23 degC, 28 %rH
Voltage	110V
Test End Date and Time	12/4/2014 11:40

Item	Value	
Mode and Setting	Driver Version	Fusion14_0_Release14309_346-243
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	Setting N set count	Application
	Collating function	Activated (application)
Paper Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
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: A4			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Colour	Simplex	23.1	18.1
	Duplex	33.2	11.0
B&W	Simplex	21.7	18.1
	Duplex	32.8	11.0

Notes
 1) All printing device and driver settings were default mode.
 2) For the B/W results, the print driver was set to "print in B/W".
 3) For more information see <http://www.hp.com/go/printerclaims>.
 4) Port monitor not configured to follow device if the IP address changes.

Detailed Report: A4						
	Office Category Test	FSOT (secs)	EFTP (ipm)		ESAT (ipm)	
			1 set only (1 set)	1 set + 30sec (# of sets)		1 set + 4min (# of sets)
Colour Mode	Simplex - Adobe Reader	23.50	10.19 (1 set)	15.19 (4 sets)		18.20
	Simplex - Word	22.64	10.59 (1 set)	15.42 (4 sets)		18.16
	Simplex - Excel	22.94	10.45 (1 set)	15.35 (4 sets)		18.21
	Simplex - Average	23.1	10.4	15.3		18.1
	Duplex - Adobe Reader	33.44	7.16 (1 set)	9.36 (3 sets)		11.08
	Duplex - Word	32.77	7.30 (1 set)	9.46 (3 sets)		11.08
	Duplex - Excel	33.35	7.18 (1 set)	9.38 (3 sets)		11.08
	Duplex - Average	33.2	7.2	9.4		11.0
B&W mode (optional for color device)	Simplex - Adobe Reader	22.16	10.82 (1 set)	15.53 (4 sets)	17.64 (21 sets)	18.19
	Simplex - Word	21.31	11.25 (1 set)	15.85 (4 sets)		18.18
	Simplex - Excel	21.50	11.15 (1 set)	15.73 (4 sets)		18.20
	Simplex - Average	21.7	11.0	15.7	17.6	18.1
	Duplex - Adobe Reader	33.14	7.24 (1 set)	9.40 (3 sets)		11.06
	Duplex - Word	32.24	7.44 (1 set)	9.52 (3 sets)		11.08
	Duplex - Excel	32.82	7.30 (1 set)	9.46 (3 sets)		11.06
	Duplex - Average	32.8	7.3	9.4		11.0

Notes
 1) All printing device and driver settings were default mode.
 2) For the B/W results, the print driver was set to "print in B/W".
 3) For more information see <http://www.hp.com/go/printerclaims>.
 4) Port monitor not configured to follow device if the IP address changes.

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 -3770, 3.4 GHz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aCXHR ATA
I/O Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

ISO/IEC 17629 First Print Out Time Report: Office Category

Full Detailed Test Report - LETTER

HP Color LaserJet Pro M252dw

Printing device and settings	
Test Start Date and Time	12/2/2014 10:17
Tester	JB
Machine name/model	Color LaserJet Pro M252dw
Colour or B&W	Colour
Configuration (options)	Default
Controller	12200
Printing device page count	Unknown
Printing supplies page count	Unknown
Temperature and Humidity	72 degF / 22 degC, 24 %rH
Voltage	110V
Test End Date and Time	12/10/2014 14:36

Item	Value
Mode and Setting	
PDL and driver version	Fusion14_0_Release14309_346-243
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
Paper	
Paper type setting	default
Paper feeding	Standard cassette
Paper Path	
Paper exit	Standard exit tray
Output orientation	default (face up or face down)
Duplexing unit	Short Edge

ISO First Page Out Time Summary Report: Office Category

Summary Report: LETTER		
		F POT from Ready (seconds)
Color	Simplex	12.7
	Duplex	22.0
B&W	Simplex	11.4
	Duplex	21.5

Notes
 1) All printing device and driver settings were default mode.
 2) For the B/W results, the print driver was set to "print in B/W".
 3) For more information see <http://www.hp.com/go/printerclaims>.
 4) Port monitor not configured to follow device if the IP address changes.
 5) Page counts were collected after completion of the tests.

ISO First Page Out Time Report: Office Category

Detailed Report: LETTER						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
Color Mode	F POT from Ready - Simplex	12.40	12.59	13.12	12.71	45 Seconds
	F POT from Ready - Duplex	21.64	22.08	22.25	21.99	45 Seconds
	F POT from Sleep - Simplex			13.75		
	Recovery Time			0.6		
	F POT from Off - Simplex			55.32		
	Warm-up Time			42.20		
B&W Mode	F POT from Ready - Simplex	11.09	11.18	11.79	11.36	45 Seconds
	F POT from Ready - Duplex	21.08	21.52	21.91	21.51	45 Seconds
	F POT from Sleep - Simplex			12.64		
	Recovery Time			0.9		
	F POT from Off - Simplex			57.90		
	Warm-up Time			46.11		

Notes
 1) All printing device and driver settings were default mode.
 2) For the B/W results, the print driver was set to "print in B/W".
 3) For more information see <http://www.hp.com/go/printerclaims>.
 4) Port monitor not configured to follow device if the IP address changes.
 5) Page counts were collected after completion of the tests.

Test System Parameters		
Item	Value	
Test System	Computer	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	system devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aCSHR ATA
	I/O Subsystem	Builitn
	USB Subsystem	USB 2.0/3.0
Printing Device Connection	TCP/IP	10/1000
Software	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Printing Applications	Microsoft Office 2010 SP2
	Print Driver	Adobe Reader 10.1.4
	Test files and location	Fusion14_0_Release14309_346-243 Office category files, hard drive

ISO/IEC 17629 First Print Out Time Report: Office Category

Full Detailed Test Report - A4

HP Color LaserJet Pro M252dw

Printing device and settings	
Test Start Date and Time	12/2/2014 10:17
Tester	JB
Machine name/model	Color LaserJet Pro M252dw
Colour or B&W	Colour
Configuration (options)	Default
Controller	12200
Printing device page count	Unknown
Printing supplies page count	Unknown
Temperature and Humidity	72 degF / 22 degC, 24 %rH
Voltage	110V
Test End Date and Time	12/10/2014 14:36

	Item	Value
Mode and Setting	PDL and driver version	Fusion14_0_Release14309_346-243
	Print Quality mode	default
	B&W settings	default
	Paper feed orientation	Short Edge
Paper	Paper type setting	default
	Paper feeding	Standard cassette
	Paper exit	Standard exit tray
Paper Path	Output orientation	default (face up or face down)
	Duplexing unit	Short Edge

ISO First Page Out Time Summary Report: Office Category

Summary Report: A4		
		F POT from Ready (seconds)
Colour	Simplex	12.9
	Duplex	22.3
B&W	Simplex	11.3
	Duplex	21.8

Notes
 1) All printing device and driver settings were default mode.
 2) For the B/W results, the print driver was set to "print in B/W".
 3) For more information see <http://www.hp.com/go/printerclaims>.
 4) Port monitor not configured to follow device if the IP address changes.
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ISO First Page Out Time Report: Office Category

Detailed Report: A4						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
Colour Mode	F POT from Ready - Simplex	12.59	12.76	13.34	12.90	45 Seconds
	F POT from Ready - Duplex	21.95	22.35	22.45	22.25	45 Seconds
	F POT from Sleep - Simplex			12.70		
	Recovery Time			0.0		
	F POT from Off - Simplex			0.00		
	Warm-up Time			43.49		
B&W Mode	F POT from Ready - Simplex	11.27	11.38	11.27	11.31	45 Seconds
	F POT from Ready - Duplex	21.36	21.83	22.14	21.78	45 Seconds
	F POT from Sleep - Simplex			12.70		
	Recovery Time			1.4		
	F POT from Off - Simplex			0.00		
	Warm-up Time			43.49		

Notes
 1) All printing device and driver settings were default mode.
 2) For the B/W results, the print driver was set to "print in B/W".
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Test System Parameters

	Item	Value
Test System	Computer	HP Compaq Elite 8300 Small Form Factor
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	System Board	system devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aCSHR ATA
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
Printing Device Connection	TCP/IP	10/1000
Software	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Printing Applications	Microsoft Office 2010 SP2
	Print Driver	Fusion14_0_Release14309_346-243
	Test files and location	Office category files, hard drive