

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP LaserJet Pro M225dw

Printing device and settings	
Test Start Date and Time	5/29/2014 11:16
Tester	AH
Machine name/model	LaserJet Pro M225dw
Colour or B&W	B&W
FW Version	20140527
Temperature and Humidity	73 degF / 23 degC, 24 %RH
Voltage	110V
Test End Date and Time	2/10/2015 4:40

Item	Value	
Mode and Setting	Driver Version	61.165.1.17779 (14098_184-147)
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Default
	Duplex B&W Settings	Default
	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)	Yes
	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 B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	14.8	27.1
	Duplex	21.1	16.1

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 only (1 set)	1 set + 30sec (# of sets)	
Color Mode	Simplex - Adobe Reader		(1 set)			
	Simplex - Word		(1 set)			
	Simplex - Excel		(1 set)			
	Simplex - Average					
	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	15.18	15.80 (1 set)	23.75 (5 sets)	26.39 (30 sets)	27.10
	Simplex - Word	14.44	16.61 (1 set)	24.06 (5 sets)		27.09
	Simplex - Excel	14.52	16.52 (1 set)	24.07 (5 sets)		27.14
	Simplex - Average	14.8	16.3	23.9	26.3	27.1
	Duplex - Adobe Reader	21.48	11.16 (1 set)	14.52 (4 sets)		16.12
	Duplex - Word	20.69	11.58 (1 set)	14.68 (4 sets)		16.10
	Duplex - Excel	20.89	11.48 (1 set)	14.62 (4 sets)		16.10
	Duplex - Average	21.1	11.4	14.6		16.1

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 DH16aC5HR ATA
I/O Subsystem	Built-in
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 LaserJet Pro M225dw

Printing device and settings	
Test Start Date and Time	5/29/2014 11:16
Tester	AH
Machine name/model	LaserJet Pro M225dw
Colour or B&W	B&W
FW Version	20140527
Temperature and Humidity	73 degF / 23 degC, 24 %RH
Voltage	110V
Test End Date and Time	2/10/2015 4:40

Item	Value	
Mode and Setting	Driver Version	61.165.1.17779 (14098_184-147)
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Default
	Duplex B&W Settings	Default
	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 B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	15.2	25.7
	Duplex	21.5	15.6

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 only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	1 set + 30sec
Colour Mode	Simplex - Adobe Reader		(1 set)			
	Simplex - Word		(1 set)			
	Simplex - Excel		(1 set)			
	Simplex - Average					
	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	15.56	15.42 (1 set)	22.73 (5 sets)	25.27 (29 sets)	25.81
	Simplex - Word	14.90	16.10 (1 set)	22.99 (5 sets)		25.71
	Simplex - Excel	14.95	16.04 (1 set)	22.89 (5 sets)		25.64
	Simplex - Average	15.2	15.8	22.8	25.2	25.7
	Duplex - Adobe Reader	21.84	10.96 (1 set)	14.16 (4 sets)		15.70
	Duplex - Word	21.24	11.28 (1 set)	14.32 (4 sets)		15.66
	Duplex - Excel	21.32	11.24 (1 set)	14.30 (4 sets)		15.68
	Duplex - Average	21.5	11.1	14.2		15.6

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 DH16aC SHR 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 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP LaserJet Pro M225dw

Machine Setup Information	
Test Start Date and Time	6/18/2014 15:05
Tester	AH
Machine name/model	LaserJet Pro M225dw
Colour or B&W	B&W
Configuration (options)	Not Specified
Temperature and Humidity	73 degF / 23 degC, 39 %rH
Test End Date and Time	4/13/2015 15:35

	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	Set in Control Panel
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/m ²
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Colorlok / Xerox Business 4200

Summary Report: Letter		
	sFCOT	sESAT (ipm)
B&W	10.3	26.8

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.
 1) Device's copy count is limited to 99. This causes the 4 min test to be 23 secs short for Letter.

Detailed Report: LETTER						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
B&W	A	10.19	5.87	21.68	26.12	26.86
				15 sets	99 sets	
	B	10.19	5.87	21.72		26.92
				15 sets		
	C	10.22	5.86	21.62		26.76
				15 sets		
	D	10.24	5.85	21.60		26.71
				15 sets		
Average		10.3	5.8	21.6	26.1	26.8

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 M225dw

Machine Setup Information	
Test Start Date and Time	6/18/2014 15:05
Tester	AH
Machine name/model	LaserJet Pro M225dw
Colour or B&W	B&W
Configuration (options)	Not Specified
Temperature and Humidity	73 degF / 23 degC, 39 %rH
Test End Date and Time	4/13/2015 15:35

	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	Set in Control Panel
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	Pre-set Item	Pre-set Value
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m ²
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Colorlok / Xerox Business 4200

Summary Report: A4		
	sFCOT	sESAT (ipm)
B&W	10.5	25.6

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.
 1) Device's copy count is limited to 99. This causes the 4 min test to be 14 secs short for A4.

Detailed Report: A4						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
B&W	A	10.50	5.71	20.52	25.02	25.62
				14 sets	99 sets	
	B	10.47	5.72	20.52		25.63
				14 sets		
	C	10.51	5.70	20.52		25.62
				14 sets		
	D	10.48	5.71	20.56		25.70
				14 sets		
Average	10.5	5.7	20.5	25.0	25.6	

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 24735 Copy Productivity Report

Full Detailed Test Report - LETTER

HP LaserJet Pro M225dw

Machine Setup Information	
Test Start Date and Time	6/2/2014 18:11
Tester	AH
Machine name/model	LaserJet Pro M225dw
Colour or B&W	B&W
Configuration (options)	Not Specified
Temperature and Humidity	74 degF / 23 degC, 28 %rH
Test End Date and Time	4/13/2015 13:51

Pre-set Item	Pre-set Value
Output Resolution	Default
Output Quality	Default
Copying Mode	Default
Auto Density Adjustment	Default
Collating function	Activated (application)
Paper Sending Direction	Default
Paper Type Setting	Default
Paper Feeding	Standard cassette
Paper Exit	Standard exit tray
Face Up Exit	Default
Fixing Capability	Default
Image Quality Stability	Default
Capacity of Paper	Default
Others	Default

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

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: LETTER						
	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Color Mode	1:1		(1 set)			
	1:2		(1 set)			
	2:2		(1 set)			
B&W mode	1:1	27.97	8.57	18.79 5 sets	25.17 29 sets	26.72
	1:2	29.51	8.11	12.94 4 sets		16.12
	2:2	N/A				N/A

Notes
Reports located: <http://www.hp.com/go/printerclaims>

ISO/IEC 24735 Copy Productivity Report

Full Detailed Test Report - A4

HP LaserJet Pro M225dw

Machine Setup Information	
Test Start Date and Time	6/2/2014 18:11
Tester	AH
Machine name/model	LaserJet Pro M225dw
Colour or B&W	B&W
Configuration (options)	Not Specified
Temperature and Humidity	74 degF / 23 degC, 28 %rH
Test End Date and Time	4/13/2015 13:51

Pre-set Item	Pre-set Value
Output Resolution	Default
Output Quality	Default
Copying Mode	Default
Auto Density Adjustment	Default
Collating function	Activated (application)
Paper Sending Direction	Default
Paper Type Setting	Default
Paper Feeding	Standard cassette
Paper Exit	Standard exit tray
Face Up Exit	Default
Fixing Capability	Default
Image Quality Stability	Default
Capacity of Paper	Default
Others	Default

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

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: A4						
	Copying Mode	FSOT (secs)		EFTP (ipm)		ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Colour Mode	1:1		(1 set)			
	1:2		(1 set)			
	2:2		(1 set)			
B&W mode	1:1	28.34	8.46	18.22	23.95	25.61
	1:2	30.23	7.92	5 sets	28 sets	15.64
				4 sets		
2:2	N/A					N/A

Notes
 Reports located: <http://www.hp.com/go/printerclaims>