

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

LaserJet Pro MFP M435

Printing device and settings	
Test Start Date and Time	9/27/2013 9:53
Tester	KN
Machine name/model	LaserJet Pro MFP M435
Colour or B&W	B&W
FW Version	20130911_0511
Temperature and Humidity	77 degF / 25 degC, 28 %rH
Voltage	220V
Test End Date and Time	10/2/2013 10:48

Item	Value	
Mode and Setting	Driver Version	61.145.2.15674
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	N/A
	Duplex B&W Settings	N/A
	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 B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	15	30
	Duplex	19	22

Notes
Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/pinterclaims>. 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 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	15.33	15.64 (1 set)	26.76 (8 sets)	29.15 (36 sets)	30.63
	Simplex - Word	14.14	16.96 (1 set)	27.81 (8 sets)		30.62
	Simplex - Excel	14.11	17.00 (1 set)	27.81 (8 sets)		30.63
	Simplex - Average	15	16	27	29	30
	Duplex - Adobe Reader	19.06	12.58 (1 set)	19.94 (7 sets)		22.30
	Duplex - Word	17.95	13.36 (1 set)	20.16 (6 sets)		22.24
	Duplex - Excel	18.04	13.28 (1 set)	20.14 (6 sets)		22.24
	Duplex - Average	19	13	20		22

Notes
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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	Builitn
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

LaserJet Pro MFP M435

Printing device and settings	
Test Start Date and Time	9/27/2013 9:53
Tester	KN
Machine name/model	LaserJet Pro MFP M435
Colour or B&W	B&W
FW Version	20130911_0511
Temperature and Humidity	77 degF / 25 degC, 28 %rH
Voltage	220V
Test End Date and Time	10/2/2013 10:48

Item	Value	
Mode and Setting	Driver Version	61.145.2.15674
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	N/A
	Duplex B&W Settings	N/A
	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	31
	Duplex	19	22

Notes
Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/pinterclaims>. 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
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	15.15	15.83 (1 set)	27.61 (8 sets)	30.04 (37 sets)	31.58
	Simplex - Word	14.10	17.00 (1 set)	28.50 (8 sets)		31.58
	Simplex - Excel	14.04	17.07 (1 set)	28.53 (8 sets)		31.60
	Simplex - Average	15	16	28	30	31
	Duplex - Adobe Reader	19.19	12.48 (1 set)	20.02 (7 sets)		22.52
	Duplex - Word	17.99	13.34 (1 set)	20.66 (7 sets)		22.52
	Duplex - Excel	17.96	13.36 (1 set)	20.64 (7 sets)		22.52
	Duplex - Average	19	13	20		22

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

Test System Parameters	
Item	Value
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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	Builitn
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

LaserJet Pro MFP M435

Machine Setup Information	
Test Start Date and Time	9/27/2013 9:53
Tester	KN
Machine name/model	LaserJet Pro MFP M435
Colour or B&W	B&W
Configuration (options)	Not Specified
Temperature and Humidity	77 degF / 25 degC, 28 %rH
Test End Date and Time:	10/2/2013 10:48

	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	9	30

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		
B&W	A	8.60	6.96	26.19		30.63	
				20 sets			
	B	8.61	6.96	6.96	26.17		30.63
					20 sets		
	C	8.61	6.96	6.96	26.19		30.63
					20 sets		
	D	8.61	6.96	6.96	26.19		30.64
					20 sets		
Average		9	6	26		30	

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

LaserJet Pro MFP M435

Machine Setup Information	
Test Start Date and Time	9/27/2013 9:53
Tester	KN
Machine name/model	LaserJet Pro MFP M435
Colour or B&W	B&W
Configuration (options)	Not Specified
Temperature and Humidity	77 degF / 25 degC, 28 %rH
Test End Date and Time:	10/2/2013 10:48

	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/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Colorlok / Xerox Business 4200

Summary Report: A4		
	sFCOT	sESAT (ipm)
B&W	9	31

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&W	A	8.56	7.00	26.87		31.59	
				20 sets			
	B	8.58	6.98	6.98	26.88		31.58
					20 sets		
	C	8.55	7.00	7.00	26.87		31.59
					20 sets		
	D	8.53	7.02	7.02	26.87		31.57
					20 sets		
	Average		9	7	26		31

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.