

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP Color LaserJet M651 Series & Managed M651 Series

Printing device and settings		
Test Start Date and Time	7/9/2014 16:08	
Tester	AH	
Machine name/model	HP Color LaserJet M651 Series & Managed M651 Series	
Colour or B&W	Colour	
FW Version	2302786 433707	
Temperature and Humidity	73 degF / 23 degC 30.53 %RH	
Voltage	110V	
Test End Date and Time	3/16/2015 11:12	

Item	Value
Driver Version	61.155.1.16824 (13303_186-183)
Media/Quality Setting	Default / Default
Simplex B&W Settings	print in greyscale
Duplex B&W Settings	print in greyscale
Setting N set count	Application
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)
Duplexing Unit (Yes/No)	Yes
Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4
Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Letter			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	12.4	45.0
	Duplex	16.6	40.5
B&W	Simplex	12.5	45.0
	Duplex	16.2	40.5

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) Print 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	12.80	18.74 (1 set)	38.38 (8 sets)	41.87 (49 sets)	45.09
	Simplex - Word	12.17	19.70 (1 set)	38.55 (8 sets)		45.07
	Simplex - Excel	12.10	19.82 (1 set)	38.88 (8 sets)		45.06
	Simplex - Average	12.4	19.4	38.6	41.8	45.0
	Duplex - Adobe Reader	16.85	14.24 (1 set)	31.86 (7 sets)		40.56
	Duplex - Word	16.23	14.78 (1 set)	32.38 (7 sets)		40.58
	Duplex - Excel	16.46	14.58 (1 set)	32.44 (7 sets)		40.56
	Duplex - Average	16.6	14.5	32.2		40.5
B&W mode (optional for color device)	Simplex - Adobe Reader	12.83	18.71 (1 set)	38.44 (8 sets)	42.87 (49 sets)	45.07
	Simplex - Word	12.46	19.26 (1 set)	38.59 (8 sets)		45.08
	Simplex - Excel	12.10	19.82 (1 set)	38.65 (8 sets)		45.08
	Simplex - Average	12.5	19.2	38.5	42.8	45.0
	Duplex - Adobe Reader	16.49	14.54 (1 set)	32.14 (7 sets)		40.58
	Duplex - Word	16.07	14.92 (1 set)	32.52 (7 sets)		40.58
	Duplex - Excel	15.95	15.04 (1 set)	32.54 (7 sets)		40.58
	Duplex - Average	16.2	14.8	32.4		40.5

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) Print 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	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 Color LaserJet M651 Series & Managed M651 Series

Printing device and settings		
Test Start Date and Time	7/9/2014 16:08	
Tester	AH	
Machine name/model	HP Color LaserJet M651 Series & Managed M651 Series	
Colour or B&W	Colour	
FW Version	2302786_433707	
Temperature and Humidity	73 degF / 23 degC 30.53 %rH	
Voltage	110V	
Test End Date and Time	3/16/2015 11:12	

Item	Value	
Mode and Setting	Driver Version	61.155.1.16824 (13303_186-183)
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	print in greyscale
	Duplex B&W Settings	print in greyscale
	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 Ultra White / HP Office

Summary Report: A4			
	Office Category Test for Color Device	FSOT (seconds)	ESAT (ipm)
Colour	Simplex	12.8	42.7
	Duplex	17.1	38.6
B&W	Simplex	12.8	42.7
	Duplex	16.7	38.6

Notes

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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	13.27	18.08 ( 1 set )	35.91 ( 7 sets )	40.57 ( 47 sets )	42.72
	Simplex - Word	12.52	19.16 ( 1 set )	36.33 ( 7 sets )		42.72
	Simplex - Excel	12.41	19.33 ( 1 set )	36.42 ( 7 sets )		42.71
	Simplex - Average	12.8	18.8	36.2	40.5	42.7
	Duplex - Adobe Reader	17.67	13.58 ( 1 set )	30.66 ( 7 sets )		38.66
	Duplex - Word	16.82	14.24 ( 1 set )	30.82 ( 7 sets )		38.66
	Duplex - Excel	16.60	14.44 ( 1 set )	30.88 ( 7 sets )		38.66
	Duplex - Average	17.1	14.0	30.7		38.6
B&W mode (optional for color device)	Simplex - Adobe Reader	13.20	18.19 ( 1 set )	36.01 ( 7 sets )	41.64 ( 47 sets )	42.72
	Simplex - Word	12.49	19.21 ( 1 set )	35.89 ( 7 sets )		42.71
	Simplex - Excel	12.45	19.27 ( 1 set )	36.44 ( 7 sets )		42.72
	Simplex - Average	12.8	18.8	36.1	41.6	42.7
	Duplex - Adobe Reader	16.98	14.12 ( 1 set )	30.84 ( 7 sets )		38.66
	Duplex - Word	16.66	14.40 ( 1 set )	31.16 ( 7 sets )		38.68
	Duplex - Excel	16.41	14.60 ( 1 set )	31.22 ( 7 sets )		38.66
	Duplex - Average	16.7	14.3	31.0		38.6

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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