

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

**Full Detailed Test Report - LETTER**

HP Color LaserJet Enterprise M553dn

Printing device and settings	
Test Start Date and Time	2/12/2015 10:32
Tester	JB
Machine name/model	Color LaserJet Enterprise M553dn
Colour or B&W	Colour
FW Version	2304069_439624
Temperature and Humidity	74 degF / 23 degC, 26 %RH
Voltage	110V
Test End Date and Time	2/23/2015 7:39

Item	Value	
<b>Mode and Setting</b>	Driver Version	Fusion14_0_Release14310_356-237
	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)
<b>Paper Path</b>	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
<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: Letter			
Office Category	Test for Color Device	FSOT (seconds)	ESAT (ipm)
<b>Color</b>	Simplex	11.9	40.2
	Duplex	14.2	40.9
<b>B&amp;W</b>	Simplex	11.1	40.2
	Duplex	13.2	40.9

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)	1 set + 4min (# of sets)	
<b>Color Mode</b>	Simplex - Adobe Reader	12.76	18.80 ( 1 set )	34.52 ( 7 sets )	37.50 ( 44 sets )	40.22
	Simplex - Word	11.52	20.83 ( 1 set )	35.50 ( 7 sets )		40.22
	Simplex - Excel	11.39	21.07 ( 1 set )	35.54 ( 7 sets )		40.22
	Simplex - Average	11.9	20.2	35.1	37.5	40.2
	Duplex - Adobe Reader	15.08	15.90 ( 1 set )	32.56 ( 7 sets )		41.00
	Duplex - Word	13.65	17.55 ( 1 set )	33.47 ( 7 sets )		40.98
	Duplex - Excel	13.75	17.42 ( 1 set )	33.46 ( 7 sets )		40.98
	Duplex - Average	14.2	16.9	33.1		40.9
<b>B&amp;W mode</b> (optional for color device)	Simplex - Adobe Reader	11.77	20.39 ( 1 set )	35.86 ( 7 sets )	38.57 ( 44 sets )	40.22
	Simplex - Word	10.65	22.54 ( 1 set )	36.78 ( 7 sets )		40.22
	Simplex - Excel	10.70	22.41 ( 1 set )	36.54 ( 7 sets )		40.21
	Simplex - Average	11.1	21.7	36.3	38.5	40.2
	Duplex - Adobe Reader	13.79	17.38 ( 1 set )	31.90 ( 7 sets )		40.98
	Duplex - Word	12.78	18.73 ( 1 set )	33.36 ( 7 sets )		40.98
	Duplex - Excel	12.79	18.73 ( 1 set )	32.54 ( 7 sets )		40.98
	Duplex - Average	13.2	18.2	32.6		40.9

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 Enterprise M553dn

Printing device and settings	
Test Start Date and Time	2/12/2015 10:32
Tester	JB
Machine name/model	Color LaserJet Enterprise M553dn
Colour or B&W	Colour
FW Version	2304069_439624
Temperature and Humidity	74 degF / 23 degC, 26 %rH
Voltage	110V
Test End Date and Time	2/23/2015 7:39

Item	Value	
Mode and Setting	Driver Version	Fusion14_0_Release14310_356-237
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	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: A4			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Colour	Simplex	11.7	38.0
	Duplex	14.6	38.9
B&W	Simplex	10.8	38.0
	Duplex	13.5	38.9

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)	
Colour Mode	Simplex - Adobe Reader	12.39	19.35 ( 1 set )	33.32 ( 7 sets )	37.01 ( 42 sets )	38.07
	Simplex - Word	11.16	21.48 ( 1 set )	34.08 ( 7 sets )		38.08
	Simplex - Excel	11.42	21.00 ( 1 set )	33.94 ( 7 sets )		38.08
	Simplex - Average	11.7	20.6	33.7	37.0	38.0
	Duplex - Adobe Reader	15.19	15.78 ( 1 set )	31.16 ( 7 sets )		38.94
	Duplex - Word	14.19	16.88 ( 1 set )	31.32 ( 7 sets )		38.92
	Duplex - Excel	14.14	16.96 ( 1 set )	31.88 ( 7 sets )		38.92
	Duplex - Average	14.6	16.5	31.4		38.9
B&W mode (optional for color device)	Simplex - Adobe Reader	11.15	21.51 ( 1 set )	34.09 ( 7 sets )	36.46 ( 42 sets )	38.08
	Simplex - Word	10.36	23.15 ( 1 set )	34.95 ( 7 sets )		38.07
	Simplex - Excel	10.63	22.58 ( 1 set )	34.78 ( 7 sets )		38.07
	Simplex - Average	10.8	22.4	34.6	36.4	38.0
	Duplex - Adobe Reader	13.86	17.28 ( 1 set )	30.58 ( 7 sets )		38.94
	Duplex - Word	13.16	18.22 ( 1 set )	31.90 ( 7 sets )		38.94
	Duplex - Excel	13.20	18.16 ( 1 set )	31.10 ( 7 sets )		38.92
	Duplex - Average	13.5	17.8	31.1		38.9

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 17629 First Print Out Time Report: Office Category**

Full Detailed Test Report - LETTER

HP Color LaserJet Enterprise M553dn

Printing device and settings	
Test Start Date and Time	2/12/2015 10:32
Tester	JB
Machine name/model	Color LaserJet Enterprise M553dn
Colour or B&W	Colour
Configuration (options)	Default
Controller	Not Specified
Printing device page count	Unknown
Printing supplies page count	Unknown
Temperature and Humidity	73 degF / 23 degC, 27 %rH
Voltage	110V
Test End Date and Time	2/23/2015 9:33

Item	Value	
Mode and Setting	PDL and driver version	Fusion14_0_Release14310_356-237
	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		
		FPOT from Ready (seconds)
Color	Simplex	6.7
	Duplex	11.1
B&W	Simplex	5.5
	Duplex	10.0
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 <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a> .		
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	FPOT from Ready - Simplex	6.26	6.27	7.52	6.69	21 Seconds
	FPOT from Ready - Duplex	10.96	10.61	11.68	11.09	21 Seconds
	FPOT from Sleep - Simplex			8.77		
	Recovery Time			1.3		
	FPOT from Off - Simplex			91.65		
	Warm-up Time			84.13		
B&W Mode	FPOT from Ready - Simplex	5.23	5.35	6.04	5.54	21 Seconds
	FPOT from Ready - Duplex	9.93	9.61	10.42	9.99	21 Seconds
	FPOT from Sleep - Simplex			8.69		
	Recovery Time			2.7		
	FPOT from Off - Simplex			90.36		
	Warm-up Time			84.32		
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 <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a> .						
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 DH16aC-SHR 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
	Adobe Reader	Adobe Reader 10.1.4
	Print Driver	Fusion14_0_Release14310_356-237
	Test files and location	Office category files, hard drive

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

Full Detailed Test Report - A4

HP Color LaserJet Enterprise M553dn

Printing device and settings	
Test Start Date and Time	2/12/2015 10:32
Tester	JB
Machine name/model	Color LaserJet Enterprise M553dn
Colour or B&W	Colour
Configuration (options)	Default
Controller	Not Specified
Printing device page count	Unknown
Printing supplies page count	Unknown
Temperature and Humidity	73 degF / 23 degC, 27 %rH
Voltage	110V
Test End Date and Time	2/23/2015 9:33

	Item	Value
Mode and Setting	PDL and driver version	Fusion14_0_Release14310_356-237
	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: A4		
FPOT from Ready (seconds)		
Colour	Simplex	6.7
	Duplex	11.3
B&W	Simplex	5.6
	Duplex	10.3

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: A4						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
Colour Mode	FPOT from Ready - Simplex	6.28	6.42	7.30	6.67	21 Seconds
	FPOT from Ready - Duplex	10.79	11.18	12.02	11.33	21 Seconds
	FPOT from Sleep - Simplex			8.48		
	Recovery Time			1.2		
	FPOT from Off - Simplex			88.02		
	Warm-up Time			80.72		
B&W Mode	FPOT from Ready - Simplex	5.27	5.43	6.13	5.61	21 Seconds
	FPOT from Ready - Duplex	9.75	10.24	10.90	10.3	21 Seconds
	FPOT from Sleep - Simplex			8.48		
	Recovery Time			2.4		
	FPOT from Off - Simplex			90.43		
	Warm-up Time			84.30		

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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 4) Port monitor not configured to follow device if the IP address changes.  
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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	Builitin
	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_Release14310_356-237 Office category files, hard drive