

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER
HP Color LaserJet MFP E77422a

Printing device and settings		
Test Start Date and Time	5/16/2019 15:54	
Tester	AW	
Machine name/model	HP Color LaserJet MFP E77422a	
Colour or B&W	Colour	
FW Version	2407346_045696	
Temperature and Humidity	73 degF / 23 degC 40.0 %rH	
Voltage	220V	
Test End Date and Time	6/25/2019 11:04	

Item	Value	
Mode and Setting	Driver Version	6.6.5.23510
	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
Paper	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	19.77	22.14
	Duplex	30.25	17.77
B&W	Simplex	17.12	22.14
	Duplex	27.25	17.76

- 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)	
Color Mode	Simplex - Adobe Reader	20.25	11.84 (1 set)	18.01 (4 sets)	21.35 (24 sets)	22.14
	Simplex - Word	19.46	12.33 (1 set)	18.46 (4 sets)		22.14
	Simplex - Excel	19.59	12.24 (1 set)	18.41 (4 sets)		22.14
	Simplex - Average	19.77	12.13	18.29	21.35	22.14
	Duplex - Adobe Reader	31.05	7.72 (1 set)	13.22 (4 sets)		17.78
	Duplex - Word	29.68	8.06 (1 set)	13.52 (4 sets)		17.76
	Duplex - Excel	30.00	7.98 (1 set)	13.58 (4 sets)		17.78
	Duplex - Average	30.25	7.92	13.44		17.77
B&W mode (optional for color device)	Simplex - Adobe Reader	17.39	13.81 (1 set)	19.12 (4 sets)	21.52 (24 sets)	22.13
	Simplex - Word	16.92	14.18 (1 set)	19.41 (4 sets)		22.15
	Simplex - Excel	17.03	14.09 (1 set)	19.26 (4 sets)		22.15
	Simplex - Average	17.12	14.02	19.26	21.5	22.14
	Duplex - Adobe Reader	27.71	8.66 (1 set)	14.00 (4 sets)		17.78
	Duplex - Word	26.96	8.88 (1 set)	14.22 (4 sets)		17.76
	Duplex - Excel	27.07	8.84 (1 set)	14.04 (4 sets)		17.76
	Duplex - Average	27.25	8.79	14.08		17.76

- 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 MFP E77422a

Printing device and settings		
Test Start Date and Time	5/16/2019 15:54	
Tester	AW	
Machine name/model	HP Color LaserJet MFP E77422a	
Colour or B&W	Colour	
FW Version	2407346_045696	
Temperature and Humidity	73 degF / 23 degC 40.0 %rH	
Voltage	220V	
Test End Date and Time	6/25/2019 11:04	

Item	Value	
Mode and Setting	Driver Version	6.6.5.23510
	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
Paper	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: A4			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Colour	Simplex	19.73	22.13
	Duplex	30.35	17.85
B&W	Simplex	17.16	22.13
	Duplex	27.19	17.83

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)	
Colour Mode	Simplex - Adobe Reader	20.19	11.88 (1 set)	18.10 (4 sets)	21.29 (24 sets)	22.14
	Simplex - Word	19.46	12.33 (1 set)	18.32 (4 sets)		22.11
	Simplex - Excel	19.52	12.29 (1 set)	18.31 (4 sets)		22.14
	Simplex - Average	19.73	12.16	18.24	21.29	22.13
	Duplex - Adobe Reader	31.16	7.68 (1 set)	13.24 (4 sets)		17.86
	Duplex - Word	29.95	8.00 (1 set)	13.54 (4 sets)		17.84
	Duplex - Excel	29.92	8.00 (1 set)	13.60 (4 sets)		17.86
	Duplex - Average	30.4	7.89	13.46		17.85
B&W mode (optional for color device)	Simplex - Adobe Reader	17.37	13.82 (1 set)	19.15 (4 sets)	21.13 (24 sets)	22.14
	Simplex - Word	17.08	14.05 (1 set)	19.40 (4 sets)		22.12
	Simplex - Excel	17.01	14.10 (1 set)	19.21 (4 sets)		22.13
	Simplex - Average	17.2	13.99	19.25	21.1	22.13
	Duplex - Adobe Reader	27.39	8.74 (1 set)	14.02 (4 sets)		17.82
	Duplex - Word	26.66	9.00 (1 set)	14.12 (4 sets)		17.84
	Duplex - Excel	27.50	8.72 (1 set)	14.14 (4 sets)		17.84
	Duplex - Average	27.2	8.82	14.09		17.83

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
TCPIP	TCPIP 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 - Tabloid
 HP Color LaserJet MFP E77422a

Printing device and settings		
Test Start Date and Time	5/16/2019 15:54	
Tester	AW	
Machine name/model	HP Color LaserJet MFP E77422a	
Colour or B&W	Colour	
FW Version	2407346_045696	
Temperature and Humidity	73 degF / 23 degC 40.0 %rH	
Voltage	220V	
Test End Date and Time	6/25/2019 11:04	

Item	Value	
Mode and Setting	Driver Version	6.6.5.23510
	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
Paper	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: Tabloid			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	19.77	12.57
	Duplex	30.25	8.92
B&W	Simplex	26.75	12.57
	Duplex	36.60	8.96

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: Tabloid						
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)
Color Mode	Simplex - Adobe Reader	29.73	8.07 (1 set)	10.46 (3 sets)	12.05 (14 sets)	12.57
	Simplex - Word	28.84	8.32 (1 set)	10.77 (3 sets)		12.57
	Simplex - Excel	28.39	8.44 (1 set)	10.76 (3 sets)		12.57
	Simplex - Average	28.99	8.27	10.66	12.05	12.57
	Duplex - Adobe Reader	41.21	5.80 (1 set)	7.54 (3 sets)		8.92
	Duplex - Word	39.24	6.10 (1 set)	7.68 (3 sets)		8.92
	Duplex - Excel	39.30	6.08 (1 set)	7.70 (3 sets)		8.92
	Duplex - Average	39.92	5.99	7.64		8.92
B&W mode <small>(optional for color device)</small>	Simplex - Adobe Reader	27.14	8.84 (1 set)	10.94 (3 sets)	12.13 (14 sets)	12.58
	Simplex - Word	26.69	8.99 (1 set)	11.13 (3 sets)		12.57
	Simplex - Excel	26.40	9.08 (1 set)	11.13 (3 sets)		12.56
	Simplex - Average	26.75	8.97	11.06	12.13	12.57
	Duplex - Adobe Reader	38.04	6.30 (1 set)	7.82 (3 sets)		8.96
	Duplex - Word	35.91	6.66 (1 set)	8.04 (3 sets)		8.96
	Duplex - Excel	35.85	6.68 (1 set)	8.00 (3 sets)		8.98
	Duplex - Average	36.60	6.54	7.95		8.96

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 - A3
HP Color LaserJet MFP E77422a

Printing device and settings		
Test Start Date and Time	5/16/2019 15:54	
Tester	AW	
Machine name/model	HP Color LaserJet MFP E77422a	
Colour or B&W	Colour	
FW Version	2407346_045696	
Temperature and Humidity	73 degF / 23 degC 40.0 %rH	
Voltage	220V	
Test End Date and Time	6/25/2019 11:04	

Item	Value	
Mode and Setting	Driver Version	6.6.5.23510
	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 Ultra White / HP Office

Summary Report: A3			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	19.77	12.57
	Duplex	30.25	8.98
B&W	Simplex	26.63	12.58
	Duplex	36.35	9.07

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: A3							
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)
Color Mode	Simplex - Adobe Reader	29.39	8.16 (1 set)	10.47 (3 sets)	12.04 (14 sets)	12.57	
	Simplex - Word	28.69	8.36 (1 set)	10.78 (3 sets)		12.57	
	Simplex - Excel	28.12	8.53 (1 set)	10.84 (3 sets)		12.57	
	Simplex - Average	28.74	8.35	10.69	12.04	12.57	
	Duplex - Adobe Reader	40.79	5.88 (1 set)	7.58 (3 sets)		8.98	
	Duplex - Word	39.42	6.08 (1 set)	7.72 (3 sets)		8.98	
	Duplex - Excel	38.49	6.22 (1 set)	7.78 (3 sets)		8.98	
	Duplex - Average	39.57	6.06	7.69		8.98	
	B&W mode (optional for color device)	Simplex - Adobe Reader	27.14	8.84 (1 set)	10.96 (3 sets)	12.14 (14 sets)	12.59
		Simplex - Word	26.41	9.09 (1 set)	11.15 (3 sets)		12.58
Simplex - Excel		26.33	9.11 (1 set)	11.14 (3 sets)		12.57	
Simplex - Average		26.63	9.01	11.08	12.14	12.58	
Duplex - Adobe Reader		37.61	6.36 (1 set)	7.96 (3 sets)		9.14	
Duplex - Word		35.53	6.74 (1 set)	8.04 (3 sets)		9.04	
Duplex - Excel		35.91	6.68 (1 set)	8.08 (3 sets)		9.04	
Duplex - Average		36.35	6.59	8.02		9.07	

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

Feature Performance Full Report - Office Feature Performance Test
HP Color LaserJet MFP E77422a

Printing device and settings		
Test Start Date and Time	5/16/2019 15:54	
Tester	AW	
Machine name/model	HP Color LaserJet MFP E77422a	
Colour or B&W	Colour	
FW Version	2407346_045696	
Temperature and Humidity	73 degF / 23 degC 40.0 %rH	
Voltage	220V	
Test End Date and Time	6/25/2019 11:04	

Item	Value	
Mode and Setting	Driver Version	6.6.5.23510
	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)
	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

ISO Print Productivity Report: Feature Performance Test Summary

Printing Modes (Feature Adobe Reader - Office test file)		Feature Performance Ratio	
		FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	Simplex	95%	100%
A5, Portrait Feed, Simplex, Colour	Simplex	102%	100%
Legal, Simplex, Colour	Simplex	74%	64%
Legal, Duplex, Colour	Duplex	53%	44%
A4, 1200 dpi, Simplex, Colour	Simplex		
Letter, 1200 dpi, Simplex, Colour	Simplex		
A4, General Office, Simplex, Colour	Simplex		
Letter, General Office, Simplex, Colour	Simplex		
A5, Landscape Feed, Simplex, B/W	Simplex	94%	100%
A5, Portrait Feed, Simplex, B/W	Simplex	102%	100%
Legal, Simplex, B/W	Simplex	71%	64%
Legal, Duplex, B/W	Duplex	51%	45%
A4, 1200 dpi, Simplex, B/W	Simplex		
Letter, 1200 dpi, Simplex, B/W	Simplex		
A4, General Office, Simplex, B/W	Simplex		
Letter, General Office, Simplex, B/W	Simplex		

- Notes
1) All printing device and driver settings were default mode.
2) Test conducted with 8-paper Office Feature Performance file.
3) For more information see <http://www.hp.com/go/printerclaims>.
4) Port monitor not configured to follow device if the IP address changes.

Feature Performance Full Report - Feature Printing Mode: 'Office' Feature Performance Test

Printing Modes Feature Adobe Reader - Office test file (8-page)	Base Printing Mode		Feature Performance			
	FSOT Base	ESAT Base	1 set FSOT (secs)	1 set + 30 sec c ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	31.28	22.13	33.13	22.1	95%	100%
A5, Portrait Feed, Simplex, Colour	31.28	22.13	30.82	22.1	102%	100%
Legal, Simplex, Colour	31.71	22.13	43.38	14.2	74%	64%
Legal, Duplex, Colour	31.71	22.13	60.4	9.9	53%	44%
A4, 1200 dpi, Simplex, Colour	31.28	22.13				
Letter, 1200 dpi, Simplex, Colour	31.71	22.13				
A4, General Office, Simplex, Colour	31.28	22.13				
Letter, General Office, Simplex, Colour	31.71	22.13				
A5, Landscape Feed, Simplex, B/W	28.59	22.13	30.57	22.1	94%	100%
A5, Portrait Feed, Simplex, B/W	28.59	22.13	28.19	22.1	102%	100%
Legal, Simplex, B/W	28.48	22.14	40.44	14.2	71%	64%
Legal, Duplex, B/W	28.48	22.14	56.35	10.0	51%	45%
A4, 1200 dpi, Simplex, B/W	28.59	22.13				
Letter, 1200 dpi, Simplex, B/W	28.48	22.14				
A4, General Office, Simplex, B/W	28.59	22.13				
Letter, General Office, Simplex, B/W	28.48	22.14				

- Notes
1) All printing device and driver settings were default mode.
2) Test conducted with 8-paper Office Feature Performance file.
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	
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	Builtin
	USB Subsystem	USB 2.0/3.0
I/O	TCP/IP TCP/IP 10/100	
Software	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 MFP E77422a

Printing device and settings	
Test Start Date and Time	5/16/2019 15:54
Tester	AW
Machine name/model	HP Color LaserJet MFP E77422a
Colour or B&W	Colour
FW Version	2407346_045696
Configuration (options)	Default
Controller	N/A
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	73 degF / 23 degC 40.0 %rH
Voltage	220V
Test End Date and Time	6/11/2019 16:53

Item	Value
Mode and Setting	
PDL and driver version	6.6.5.23510
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)

ISO First Page Out Time Summary Report: Office Category

Summary Report: Letter		FPOT from Ready (seconds)
Color	Simplex	11.63
	Duplex	
B&W	Simplex	9.00
	Duplex	

- 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	FPOT from Ready - Simplex	11.50	11.49	11.90	11.63	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			34.42		76 Minutes
	Recovery Time			22.5		
	FPOT from Off - Simplex			157.67		
	Warm-up Time			145.77		
B&W Mode	FPOT from Ready - Simplex	8.79	8.95	9.26	9.00	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			31.52		76 Minutes
	Recovery Time			22.3		
	FPOT from Off - Simplex			150.42		
	Warm-up Time			141.16		

- 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.
 - 6) Details for FPOT from Sleep are shown below.

HP Data Table

Detailed Report: LETTER							
		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application	Delay Time
Color Mode	FPOT from Sleep	34.42	34.46	34.38	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	19.41	19.21	19.60	N/A	Adobe Reader	15 Minutes
B&W Mode	FPOT from Sleep	31.52	31.93	31.11	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	18.97	19.84	18.10	N/A	Adobe Reader	15 Minutes

- 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) DLP includes detailed iterations as data measurements may vary run to run.

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 Memory
	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	Builtin
	USB Subsystem	USB 2.0/3.0
Printing Device Connection	TCP/IP	
Software	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Printing Applications	Microsoft Office 2010 SP2 Adobe Reader 10.1.4
	Print Driver	6.6.5.23510

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

Full Detailed Test Report - A4

HP Color LaserJet MFP E77422a

Printing device and settings		
Test Start Date and Time	5/16/2019 15:54	
Tester	AW	
Machine name/model	HP Color LaserJet MFP E77422a	
Colour or B&W	Colour	
FW Version	2407346_045696	
Configuration (options)	Default	
Controller	N/A	
Printing device page count	Not Specified	
Printing supplies page count	Not Specified	
Temperature and Humidity	73 degF / 23 degC 40.0 %rH	
Voltage	220V	
Test End Date and Time	6/11/2019 16:53	

Item	Value
Mode and Setting	
PDL and driver version	6.6.5.23510
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)

ISO First Page Out Time Summary Report: Office Category

Summary Report: A4

FPOT from Ready (seconds)		
Colour	Simplex	11.64
	Duplex	
B&W	Simplex	8.98
	Duplex	

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
Color Mode	FPOT from Ready - Simplex	11.31	11.44	12.15	11.64	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			35.41		76 Minutes
	Recovery Time			23.3		
	FPOT from Off - Simplex			153.25		
	Warm-up Time			141.10		
B&W Mode	FPOT from Ready - Simplex	8.78	8.94	9.22	8.98	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			32.35		76 Minutes
	Recovery Time			23.1		
	FPOT from Off - Simplex			152.33		
	Warm-up Time			143.11		

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.
- 6) Details for FPOT from Sleep are shown below.

HP Data Table

Detailed Report: A4

		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application	Delay Time
Color Mode	FPOT from Sleep	35.41	35.91	34.90	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes)	24.27	24.31	24.23	N/A	Adobe Reader	15 Minutes
	HP/Non ISO Test						
B&W Mode	FPOT from Sleep	32.35	32.54	32.15	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes)	20.65	21.28	20.01	N/A	Adobe Reader	15 Minutes
	HP/Non ISO Test						

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) DLP includes detailed iterations as data measurements may vary run to run.

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 DH16aC5HR 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 10.1.4
	Print Driver	6.6.5.23510

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP Color LaserJet MFP E77422a

Machine Setup Information	
Test Start Date and Time	5/30/2019 11:14
Tester	AW
Machine name/model	HP Color LaserJet MFP E77422a
Colour or B&W	Colour
FW Version	2407346_045696
Configuration (options)	Not Specified
Temperature and Humidity	73 degF / 23 degC 40.0 %rH
Test End Date and Time	6/5/2019 13:33

	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 Ultra White / HP Office

Summary Report: Letter		
	sFCOT	sESAT (ipm)
Color	9.45	22.14
B&W	7.56	22.12

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.
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

Detailed Report: LETTER						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Color	A	9.45	6.35	17.72 13 sets	21.36 90 sets	22.14
	B					
	C					
	D					
	Average	9.45	6.35	17.72	21.36	22.14
B&W	A	7.56	7.93	18.58 13 sets	21.53 91 sets	22.12
	B					
	C					
	D					
	Average	7.56	7.93	18.58	21.53	22.12

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.
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - A4

HP Color LaserJet MFP E77422a

Machine Setup Information	
Test Start Date and Time	5/30/2019 11:14
Tester	AW
Machine name/model	HP Color LaserJet MFP E77422a
Colour or B&W	Colour
FW Version	2407346_045696
Configuration (options)	Not Specified
Temperature and Humidity	73 degF / 23 degC 40.0 %rH
Test End Date and Time:	6/5/2019 13:33

	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 Ultra White / HP Office

Summary Report: A4		
	sFCOT	sESAT (ipm)
Colour	9.37	22.14
B&W	7.98	22.15

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.
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

Detailed Report: A4						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Colour	A	9.37	6.40	17.76 13 sets	21.38 91 sets	22.14
	B					
	C					
	D					
	Average	9.37	6.40	17.76	21.38	22.14
B&W	A	7.98	7.52	18.72 13 sets	21.54 90 sets	22.15
	B					
	C					
	D					
	Average	7.98	7.52	18.72	21.54	22.15

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.
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2