

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP LaserJet MFP M132snw

Printing device and settings		
Test Start Date and Time	9/22/2016 10:40	
Tester	Barry	
Machine name/model	HP LaserJet MFP M132snw	
Colour or B&W	B&W	
FW Version	20160908	
Temperature and Humidity	75 degF / 24 degC 25.0 %rH	
Voltage	220V	
Test End Date and Time	11/5/2018 19:46	

Mode and Setting	Item	Value
Mode and Setting	Driver Version	40.2.1082
	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
Paper	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	No
	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 B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	15.1	23.2
	Duplex	N/A	N/A

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		(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
B&W mode (optional for color device)	Duplex - Excel	N/A	N/A	N/A	N/A
	Duplex - Average	N/A	N/A	N/A	N/A
	Simplex - Adobe Reader	15.42	15.57 (1 set)	21.20 (5 sets)	22.63 (25 sets)
	Simplex - Word	14.71	16.31 (1 set)	21.38 (5 sets)	23.26
	Simplex - Excel	15.01	15.98 (1 set)	21.36 (5 sets)	23.26
	Simplex - Average	15.1	15.9	21.3	22.6
	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

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	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 MFP M132snw

Printing device and settings		
Test Start Date and Time	9/22/2016 10:40	
Tester	Barry	
Machine name/model	HP LaserJet MFP M132snw	
Colour or B&W	B&W	
FW Version	20160908	
Temperature and Humidity	75 degF / 24 degC 25.0 %rH	
Voltage	220V	
Test End Date and Time	11/5/2018 19:46	

Item	Value
Mode and Setting	Driver Version 40.2.1082
	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) No
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 B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	15.5	22.0
	Duplex	N/A	N/A

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	15.59	15.39 (1 set)	19.82 (4 sets)	21.66 (24 sets)	22.06
	Simplex - Word	15.38	15.60 (1 set)	20.04 (4 sets)		22.07
	Simplex - Excel	15.34	15.64 (1 set)	20.11 (4 sets)		22.07
	Simplex - Average	15.5	15.5	19.9	21.6	22.0
	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

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 LaserJet MFP M132snw

Printing device and settings		
	Test Start Date and Time	9/22/2016 10:40
	Tester	Barry
	Machine name/model	HP LaserJet MFP M132snw
	Colour or B&W	B&W
	FW Version	20160908
	Temperature and Humidity	75 degF / 24 degC 25.0 %rH
	Voltage	220V
	Test End Date and Time	11/5/2016 19:46

Mode and Setting	Item	Value
	Driver Version	40.2.1082
	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)	No
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		
A5, Portrait Feed, Simplex, Colour	Simplex		
Legal, Simplex, Colour	Simplex		
Legal, Duplex, Colour	Duplex		
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	153%	174%
A5, Portrait Feed, Simplex, B/W	Simplex	36%	27%
Legal, Simplex, B/W	Simplex		
Legal, Duplex, B/W	Duplex		
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 (sec)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour						
A5, Portrait Feed, Simplex, Colour						
Legal, Simplex, Colour						
Legal, Duplex, Colour						
A4, 1200 dpi, Simplex, Colour						
Letter, 1200 dpi, Simplex, Colour						
A4, General Office, Simplex, Colour						
Letter, General Office, Simplex, Colour						
A5, Landscape Feed, Simplex, B/W	27.01	22.06	17.72	38.6	153%	174%
A5, Portrait Feed, Simplex, B/W	27.01	22.06	76.81	6.1	36%	27%
Legal, Simplex, B/W						
Legal, Duplex, B/W						
A4, 1200 dpi, Simplex, B/W	27.01	22.06				
Letter, 1200 dpi, Simplex, B/W						
A4, General Office, Simplex, B/W	27.01	22.06				
Letter, General Office, Simplex, B/W						

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		
Test System	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
I/O	USB Subsystem	USB 2.0/3.0
	TCP/IP	TCP/IP 10/1000
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 LaserJet MFP M132snw

Printing device and settings		
Test Start Date and Time	9/22/2016 10:40	
Tester	Barry	
Machine name/model	HP LaserJet MFP M132snw	
Colour or B&W	B&W	
FW Version	20160908	
Configuration (options)	Default	
Controller	12000	
Printing device page count	Not Specified	
Printing supplies page count	Not Specified	
Temperature and Humidity	75 degF / 24 degC, 25.0 %rH	
Voltage	220V	
Test End Date and Time	11/5/2018 19:46	

Item		Value
Mode and Setting	PDL and driver version	40.2.1082
	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)		
B&W	Simplex	6.75
	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					
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			N/A		
	Recovery Time					
	FPOT from Off - Simplex					
	Warm-up Time					
B&W Mode	FPOT from Ready - Simplex	6.57	6.76	6.91	6.75	49 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			7.35		61 Minutes
	Recovery Time			0.4		
	FPOT from Off - Simplex			74.17		
	Warm-up Time			67.26		

- 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	N/A	N/A	N/A	N/A	Adobe Reader	
	FPOT from Sleep (15 minutes) HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	
	FPOT from Sleep	7.35	7.33	7.37	N/A	Adobe Reader	61 Minutes
B&W Mode	FPOT from Sleep (15 minutes) HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	16 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 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
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 40.2.1082

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

Full Detailed Test Report - A4

HP LaserJet MFP M132snw

Printing device and settings	
Test Start Date and Time	9/22/2016 10:40
Tester	Barry
Machine name/model	HP LaserJet MFP M132snw
Colour or B&W	B&W
FW Version	20160908
Configuration (options)	Default
Controller	12000
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	75 degF / 24 degC 25.0 %rH
Voltage	220V
Test End Date and Time	11/5/2018 19:46

Item	Value
Mode and Setting	PDL and driver version
	40.2.1082
	Print Quality mode
	default
B&W settings	default
	default
Paper	Paper feed orientation
	Short Edge
Paper Path	Paper type setting
	default
	Paper feeding
Paper exit	Standard cassette
	Standard exit tray
Output orientation	default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: A4		FPOT from Ready (seconds)
B&W	Simplex	7.10
	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					
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			N/A		
	Recovery Time					
	FPOT from Off - Simplex					
	Warm-up Time					
B&W Mode	FPOT from Ready - Simplex	6.86	7.34	7.10	7.10	49 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			7.47		61 Minutes
	Recovery Time			0.4		
	FPOT from Off - Simplex			72.58		
	Warm-up Time			65.48		

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	N/A	N/A	N/A	N/A	Adobe Reader	
	FPOT from Sleep (15 minutes)	N/A	N/A	N/A	N/A	Adobe Reader	
	HP/Non ISO Test						
B&W Mode	FPOT from Sleep	7.47	7.47	7.46	N/A	Adobe Reader	61 Minutes
	FPOT from Sleep (15 minutes)	N/A	N/A	N/A	N/A	Adobe Reader	16 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		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
Printing Device Connection	TCP/IP	10/1000
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Software	Printing Applications	Microsoft Office 2010 SP2
	Print Driver	Adobe Reader 10.1.4

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP LaserJet MFP M132snw

Machine Setup Information

	Test Start Date and Time	11/6/2018 18:42
	Tester	Barry
	Machine name/model	HP LaserJet MFP M132snw
	Colour or B&W	B&W
	FW Version	20160908
	Configuration (options)	Not Specified
	Temperature and Humidity	75 degF / 24 degC 25.0 %rH
	Test End Date and Time:	11/7/2018 16:16

	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)
B&W	6.9	23.1

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	
B&W	A	6.91	8.68	20.53 13 sets	22.85 95 sets	23.13
	B					
	C					
	D					
	Average	6.9	8.7	20.5	22.9	23.1

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 LaserJet MFP M132snw

Machine Setup Information

	Test Start Date and Time	11/6/2018 18:42
	Tester	Barry
	Machine name/model	HP LaserJet MFP M132snw
	Colour or B&W	B&W
	FW Version	20160908
	Configuration (options)	Not Specified
	Temperature and Humidity	75 degF / 24 degC 25.0 %rH
	Test End Date and Time:	11/7/2018 16:16

	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)
B&W	7.3	21.9

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	
B&W	A	7.32	8.20	19.44 13 sets	21.65 90 sets	21.93
	B					
	C					
	D					
	Average	7.3	8.2	19.4	21.7	21.9

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

Full Detailed Test Report - LETTER

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	27.55	8.71	17.44	21.55	23.28
				5 sets	25 sets	
	1:2					
	2:2					

Notes

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

Full Detailed Test Report - A4

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	15.77	20.69	22.08
				4 sets	24 sets	
	1:2					
	2:2					

Notes

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

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information		
Test Start Date and Time	11/8/2018 18:56	
Tester	Susan	
Machine name/model	HP LaserJet MFP M132snw	
Colour or B&W	B&W	
Configuration (options)	Default	
Temperature and Humidity	75 degF / 24 degC 25.0 %rH	
Voltage	220V	
Test End Date and Time	11/11/2018 18:30	

Mode and Setting	Preset Item		Preset Value
	Scanning resolution		default (200 dpi)
	Colour or grey scale/B&W		default (colour)
	Duplex / simplex		default (simplex)
	Original page size		default (A4)
	Paper feed orientation		default (long edge)
	Scan destination		default (shared network)
	Storing File Type		default (PDF-multi)
	Auto scan quality adjustment		default (factory preset default setting)
ADF Paper-path	Paper feed direction		default (long edge)
	Output orientation		default
	Scanning unit		default (duplex ADF)

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: Letter

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.7	200	single sided	6.82
			double sided	0.00
B&W	PDF 1.7	200	single sided	10.56
			double sided	0.00

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: Letter

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.7	200	single sided	5.54	1.84	2.00
			double sided	0.00		
B&W	PDF 1.7	200	single sided	7.94	3.26	3.00
			double sided	0.00		

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: Letter

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	PDF 1.7	200	single sided	6.03	6.26	6.82
			double sided	0.00	0	0
B&W	PDF 1.7	200	single sided	9.28	9.94	10.56
			double sided	0.00	0	0

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: Letter

	Scanning Mode			Measurement result			
	File format version	Resolution	Scanning side	scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.7	200	single sided	4.66	5.54	1.84	2
			double sided	0.00	0.00		
B&W	PDF 1.7	200	single sided	6.30	7.94	3.26	3
			double sided	0.00	0.00		

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

Test System Parameters		
	Item	Value
System	Computer name	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
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Scanning Device Connection	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connection Cable	Cat6 Straight cable
	Wireless router	No use
	Others	No use

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - A4

Machine Setup Information		
Test Start Date and Time	11/8/2018 18:56	
Tester	Susan	
Machine name/model	HP LaserJet MFP M132snw	
Colour or B&W	B&W	
Configuration (options)	Default	
Temperature and Humidity	75 degF / 24 degC 25.0 %rH	
Voltage	220V	
Test End Date and Time	11/11/2018 18:30	

Mode and Setting	Preset Item	Preset Value
	Scanning resolution	default (200 dpi)
	Colour or grey scale/B&W	default (colour)
	Duplex / simplex	default (simplex)
	Original page size	default (A4)
	Paper feed orientation	default (long edge)
	Scan destination	default (shared network)
	Storing File Type	default (PDF-multi)
	Auto scan quality adjustment	default (factory preset default setting)
ADF Paper-path	Paper feed direction	default (long edge)
	Output orientation	default
	Scanning unit	default (duplex ADF)

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.7	200	single sided	6.81
			double sided	0.00
B&W	PDF 1.7	200	single sided	10.39
			double sided	0.00

Notes

1) For more information see <http://www.hp.com/go/printerclaims>.

2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.7	200	single sided	5.78	1.96	2.00
			double sided	0.00		
B&W	PDF 1.7	200	single sided	8.37	2.47	3.00
			double sided	0.00		

Notes

1) For more information see <http://www.hp.com/go/printerclaims>.

2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	PDF 1.7	200	single sided	5.94	6.24	6.81
			double sided	0.00	0	0
B&W	PDF 1.7	200	single sided	9.39	9.96	10.39
			double sided	0.00	0	0

Notes

1) For more information see <http://www.hp.com/go/printerclaims>.

2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result			
	File format version	Resolution	Scanning side	scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.7	200	single sided	3.60	5.78	1.96	2
			double sided	0.00	0.00		
B&W	PDF 1.7	200	single sided	3.20	8.37	2.47	3
			double sided	0.00	0.00		

Notes

1) For more information see <http://www.hp.com/go/printerclaims>.

2) For the B/W results, the device scan setting is set to "Scan in B/W".

Test System Parameters		
Item		Value
System	Computer name	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
Scanning Device Connection	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connction Cable	Cat6 Straight cable
	Wireless router	No use
	Others	No use