

# ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP Color LaserJet MFP M183fw

Printing device and settings		
Test Start Date and Time	9/3/2019 10:11	
Tester	Wing	
Machine name/model	HP Color LaserJet MFP M183fw	
Colour or B&W	Colour	
FW Version	20190819	
Temperature and Humidity	70 degF / 21 degC 71.0 %RH	
Voltage	220V	
Test End Date and Time	9/23/2019 16:33	

Item	Value
Mode and Setting	Driver Version 44.5.2703
	Media/Quality Setting Default / Default
	Simplex B&W Settings default
	Duplex B&W Settings default
	Setting N set count Not Specified
Paper Path	Collating function Not Specified
	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
	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	24.22	17.28
	Duplex	N/A	N/A
B&W	Simplex	22.43	17.27
	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 <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.			

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	23.91	10.03 ( 1 set )	14.59 ( 4 sets )	16.24 ( 19 sets )	17.26
	Simplex - Word	24.71	9.71 ( 1 set )	14.45 ( 4 sets )		17.30
	Simplex - Excel	24.02	9.99 ( 1 set )	14.57 ( 4 sets )		17.30
	Simplex - Average	24.22	9.91	14.53	16.24	17.28
	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
	Simplex - Adobe Reader	22.01	10.89 ( 1 set )	15.04 ( 4 sets )	16.59 ( 19 sets )	17.28
	B&W mode  (optional for color device)	Simplex - Word	23.07	10.40 ( 1 set )	14.82 ( 4 sets )	
Simplex - Excel		22.21	10.80 ( 1 set )	14.96 ( 4 sets )		17.27
Simplex - Average		22.43	10.69	14.94	16.6	17.27
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 <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.						

Test System Parameters	
Item	Value
Computer	HP Z240 SFF Workstation
Processor	Intel Core i7 -6770, 3.4 GHz
System Chip Set	Intel SKL/KBL Mobile/Desktop
System Board	system devices, default system BIOS
System Memory	8 GB
Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
Video Subsystem	Microsoft Basic Display Adaptor
Optical Drive	HP HLDS DVD RW GUD1N
I/O Subsystem	Built in
USB Subsystem	USB 2.0/3.0
	TCP/IP
Operating System	Win 10 Enterprise 64 Bit (10240)
Printing Applications	Microsoft Office Word 2016
	Acrobat Reader DC
Print Driver	Microsoft Office Excel 2016
	Not Specified
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 M183fw

Printing device and settings		
Test Start Date and Time	9/3/2019 10:11	
Tester	Wing	
Machine name/model	HP Color LaserJet MFP M183fw	
Colour or B&W	Colour	
FW Version	20190819	
Temperature and Humidity	70 degF / 21 degC 71.0 %RH	
Voltage	220V	
Test End Date and Time	9/23/2019 16:33	

Item	Value
Mode and Setting	Driver Version 44.5.2703
	Media/Quality Setting Default / Default
	Simplex B&W Settings default
	Duplex B&W Settings default
	Setting N set count Not Specified
Paper Path	Collating function Not Specified
	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
	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	24.95	16.42
	Duplex	N/A	N/A
B&W	Simplex	23.29	16.45
	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)	
Colour Mode	Simplex - Adobe Reader	24.55	9.77	14.00	15.81	16.42
			( 1 set )	( 4 sets )	( 18 sets )	
	Simplex - Word	25.60	9.37	13.83		16.42
			( 1 set )	( 4 sets )		
	Simplex - Excel	24.69	9.72	14.01		16.43
			( 1 set )	( 4 sets )		
	Simplex - Average	24.95	9.62	13.94	15.81	16.42
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
B&W mode (optional for color device)	Duplex - Word	N/A	N/A	N/A		N/A
			N/A	N/A		
	Duplex - Excel	N/A	N/A	N/A		N/A
			N/A	N/A		
	Duplex - Average	N/A	N/A	N/A		N/A
			N/A	N/A		
	Simplex - Adobe Reader	22.71	10.56	14.40	15.76	16.44
			( 1 set )	( 4 sets )	( 18 sets )	
	Simplex - Word	23.94	10.02	14.21		16.44
			( 1 set )	( 4 sets )		
	Simplex - Excel	23.21	10.33	14.40		16.47
			( 1 set )	( 4 sets )		
	Simplex - Average	23.3	10.30	14.33	15.8	16.45
			N/A	N/A		
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
			N/A	N/A		
	Duplex - Word	N/A	N/A	N/A		N/A
			N/A	N/A		
	Duplex - Excel	N/A	N/A	N/A		N/A
			N/A	N/A		
	Duplex - Average	N/A	N/A	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 Z240 SFF Workstation
Processor	Intel Core i7 -6770, 3.4 GHz
System Chip Set	Intel SKL/KBL Mobile/Desktop
System Board	system devices, default system BIOS
System Memory	8 GB
Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
Video Subsystem	Microsoft Basic Display Adaptor
Optical Drive	HP HLDS DVD+RW GUD1N
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
	TCP/IP
Operating System	Win 10 Enterprise 64 Bit (10240)
Printing Applications	Microsoft Office Word 2016
	Acrobat Reader DC
	Microsoft Office Excel 2016
Print Driver	Not Specified
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 M183fw

Printing device and settings		
Test Start Date and Time	9/3/2019 10:11	
Tester	Wing	
Machine name/model	HP Color LaserJet MFP M183fw	
Colour or B&W	Colour	
FW Version	20190819	
Temperature and Humidity	70 degF / 21 degC 71.0 %RH	
Voltage	220V	
Test End Date and Time	9/23/2019 16:33	

Item	Value
Mode and Setting	Driver Version 44.5.2703
	Media/Quality Setting Default / Default
	Simplex B&W Settings default
	Duplex B&W Settings default
	Setting N set count Not Specified
Paper Path	Collating function Not Specified
	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
	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	117%	126%
A5, Portrait Feed, Simplex, Colour	Simplex	67%	34%
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	136%	171%
A5, Portrait Feed, Simplex, B/W	Simplex	68%	35%
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 (secs)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	39.29	16.45	33.78	20.7	117%	126%
A5, Portrait Feed, Simplex, Colour	39.29	16.45	59.5	5.6	67%	34%
Legal, Simplex, Colour	38.15	17.27				
Legal, Duplex, Colour	38.15	17.27				
A4, 1200 dpi, Simplex, Colour	39.29	16.45				
Letter, 1200 dpi, Simplex, Colour	38.15	17.27				
A4, General Office, Simplex, Colour	39.29	16.45				
Letter, General Office, Simplex, Colour	38.15	17.27				
A5, Landscape Feed, Simplex, B/W	37.52	16	27.71	27.4	136%	171%
A5, Portrait Feed, Simplex, B/W	37.52	16	55.63	5.6	68%	35%
Legal, Simplex, B/W	35.89	17.28				
Legal, Duplex, B/W	35.89	17.28				
A4, 1200 dpi, Simplex, B/W	37.52	16				
Letter, 1200 dpi, Simplex, B/W	35.89	17.28				
A4, General Office, Simplex, B/W	37.52	16				
Letter, General Office, Simplex, B/W	35.89	17.28				

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 Z240 SFF Workstation
	Processor	Intel Core i7 -6770, 3.4 GHz
	System Chip Set	Intel SKL/KBL Mobile/Desktop
	System Board	system devices, default system BIOS
	System Memory	8 GB
	Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVD-RW GUD1N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
I/O	TCP/IP	10/1000
Software	Operating System	Win 10 Enterprise 64 Bit (10240)
	Printing Applications	Microsoft Office Word 2016 Acrobat Reader DC
	Print Driver	Microsoft Office Excel 2016
	Test files and location	Not Specified
		Office category files, hard drive

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

Full Detailed Test Report - LETTER

HP Color LaserJet MFP M283fdw

Printing device and settings	
Test Start Date and Time	9/3/2019 9:49
Tester	Peggy
Machine name/model	HP Color LaserJet MFP M283fdw
Colour or B&W	Colour
FW Version	20190819
Configuration (options)	Default
Controller	10100
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	75 degF / 24 degC 95.0 %rH
Voltage	110V
Test End Date and Time	9/3/2019 10:52

Item	Value
Mode and Setting	PDL and driver version
	44.5.2703
	Print Quality mode
	default
Paper	B&W settings
	default
	Paper feed orientation
	Short Edge
Paper Path	Paper type setting
	default
	Paper feeding
	Standard cassette
	Paper exit
	Standard exit tray
	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
	12.01
B&W	Duplex
	10.51
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	12.44	11.83	11.74	12.01	46 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			12.92		61 Minutes
	Recovery Time			1.2		
	FPOT from Off - Simplex			61.19		
	Warm-up Time			49.45		
B&W Mode	FPOT from Ready - Simplex	11.07	10.40	10.06	10.51	46 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			12.71		61 Minutes
	Recovery Time			2.7		
	FPOT from Off - Simplex			56.44		
	Warm-up Time			46.38		

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	12.92	12.85	12.99	N/A	Adobe Reader	61 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	12.99	12.97	13.00	N/A	Adobe Reader	16 Minutes
	FPOT from Ready, HP High Speed HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	N/A
	FPOT from Sleep	12.71	12.81	12.61	N/A	Adobe Reader	61 Minutes
B&W Mode	FPOT from Sleep (15 minutes) HP/Non ISO Test	12.70	12.70	12.69	N/A	Adobe Reader	16 Minutes

Test System Parameters	
Item	Value
Test System	Computer
	HP Z240 SFF Workstation
	Processor
	Intel Core i7 -6770, 3.4 GHz
	System Chip Set
	Intel SKL/KBL Mobile/Desktop
	System Board
	system devices, default system BIOS
	System Memory
	8 GB
Printing Device Connection	Hard Drive Subsystem
	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem
	Microsoft Basic Display Adaptor
	Optical Drive
	HP HLDS DVD RW GUD1N
Software	I/O Subsystem
	Builtin
Software	USB Subsystem
	USB 2.0/3.0
Software	TCP/IP
	10/1000
Software	Operating System
	Win 10 Enterprise 64 Bit (10240)
	Printing Applications
Software	Microsoft Office 2016
	Adobe Reader DC
Software	Print Driver
	44.5.2703

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

Full Detailed Test Report - A4  
HP Color LaserJet MFP M283fdw

Printing device and settings	
Test Start Date and Time	9/3/2019 9:49
Tester	Peggy
Machine name/model	HP Color LaserJet MFP M283fdw
Colour or B&W	Colour
FW Version	20190819
Configuration (options)	Default
Controller	10100
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	75 degF / 24 degC 95.0 %rH
Voltage	110V
Test End Date and Time	9/3/2019 10:52

Item	Value
Mode and Setting	PDL and driver version
	44.5.2703
	Print Quality mode
	default
Paper	B&W settings
	default
	Paper feed orientation
	Short Edge
Paper Path	Paper type setting
	default
	Paper feeding
	Standard cassette
	Paper exit
	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)
Colour	Simplex	12.23
	Duplex	
B&W	Simplex	10.54
	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)	Delay Time
Color Mode	FPOT from Ready - Simplex	12.85	11.99	11.85	12.23 46 Seconds
	FPOT from Ready - Duplex				
	FPOT from Sleep - Simplex			13.18	61 Minutes
	Recovery Time			1.3	
	FPOT from Off - Simplex			57.50	
	Warm-up Time			45.65	
B&W Mode	FPOT from Ready - Simplex	11.39	10.20	10.01	10.54 46 Seconds
	FPOT from Ready - Duplex				
	FPOT from Sleep - Simplex			12.87	61 Minutes
	Recovery Time			2.9	
	FPOT from Off - Simplex			56.90	
	Warm-up Time			46.89	

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	13.18	13.14	13.22	N/A	Adobe Reader	61 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	13.09	13.12	13.05	N/A	Adobe Reader	16 Minutes
	FPOT from Ready, HP High Speed HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	N/A
	FPOT from Sleep	12.87	12.88	12.85	N/A	Adobe Reader	61 Minutes
B&W Mode	FPOT from Sleep (15 minutes) HP/Non ISO Test	12.83	12.85	12.80	N/A	Adobe Reader	16 Minutes

Test System Parameters	
Item	Value
Test System	Computer
	HP 2240 SFF Workstation
	Processor
	Intel Core i7 -6770, 3.4 GHz
	System Chip Set
	Intel SKL/KBL Mobile/Desktop
	System Board
	system devices, default system BIOS
	System Memory
	8 GB
Printing Device Connection	Hard Drive Subsystem
	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem
	Microsoft Basic Display Adaptor
	Optical Drive
	HP HLDS DVD/DRW GUD1N
Software	I/O Subsystem
	Built-in
Software	USB Subsystem
	USB 2.0/3.0
Printing Device Connection	TCP/IP
	10/1000
Software	Operating System
	Win 10 Enterprise 64 Bit (10240)
	Printing Applications
	Microsoft Office 2016
Software	Adobe Reader DC
	44.5.2703

### Full Detailed Test Report - LETTER

<b>Paper</b>	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Detailed Report: LETTER						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Color	A	17.33	3.46	12.35	16.37	17.27
				10 sets	72 sets	
	B					
	C					
	D					
	Average	17.33	3.46	12.35	16.37	17.27
B&W	A	11.66	5.14	13.91	16.69	17.26
				10 sets	72 sets	
	B					
	C					
	D					
	Average	11.66	5.14	13.91	16.69	17.26

Notes
<p>First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a>. Exact speed varies depending on the system configuration and document.</p> <p>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</p>

# ISO/IEC 29183 Copy Productivity Report

## Full Detailed Test Report - A4

HP Color LaserJet MFP M183fw

### Machine Setup Information

	Test Start Date and Time	8/30/2019 10:28
	Tester	Wing
	Machine name/model	HP Color LaserJet MFP M183fw
	Colour or B&W	Colour
	FW Version	20190819
	Configuration (options)	Not Specified
	Temperature and Humidity	70 degF / 21 degC 71.0 %rH
	Test End Date and Time:	9/9/2019 13:46

	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	17.87	16.41
B&W	12.18	16.40

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	17.87	3.35	11.82 10 sets	15.53 68 sets	16.41
	B					
	C					
	D					
	Average	17.87	3.35	11.82	15.53	16.41
B&W	A	12.18	4.92	13.34 10 sets	15.89 67 sets	16.40
	B					
	C					
	D					
	Average	12.18	4.92	13.34	15.89	16.40

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	44.28	5.41	11.16	15.14	17.29
			( 1 set )	4 sets	19 sets	
	1:2					
			( 1 set )			
	2:2					
			( 1 set )			
B&W mode	1:1	39.23	6.11	11.88	16.18	17.29
				4 sets	19 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	45.63	5.25	10.76	14.67	16.45
			( 1 set )	4 sets	18 sets	
	1:2					
			( 1 set )			
	2:2					
			( 1 set )			
B&W mode	1:1	40.10	5.98	11.44	14.91	16.44
				4 sets	18 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	9/3/2019 18:10	
Tester	Wing	
Machine name/model	HP Color LaserJet MFP M183w	
Colour or B&W	Colour	
Configuration (options)	Default	
Temperature and Humidity	70 degF / 21 degC 71.0 %rH	
Voltage	220V	
Test End Date and Time	9/4/2019 12:23	

Mode and Setting	Presets Item	Presets 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	9.32
			double sided	0.00
B&W	PDF 1.7	200	single sided	16.46
			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	6.46	3.55	3.00
			double sided	0.00		
B&W	PDF 1.7	200	single sided	11.58	4.97	4.00
			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	7.76	8.71	9.32
			double sided	0.00	0	0
B&W	PDF 1.7	200	single sided	12.09	15.08	16.46
			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	5.38	6.46	3.55	3
			double sided	0.00	0.00		
B&W	PDF 1.7	200	single sided	5.92	11.58	4.97	4
			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 Z240 SFF Workstation
	Processor	Intel Core i7 -6770, 3.4 GHz
	System Chip Set	Intel SKL/KBL Mobile/Desktop
	System Board	system devices, default system BIOS
	System Memory	8 GB
	Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVDRW GUD1N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
	Operating System	Win 10 Enterprise 64 Bit (10240)
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
	Connction 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	9/3/2019 18:10	
Tester	Wing	
Machine name/model	HP Color LaserJet MFP M183w	
Colour or B&W	Colour	
Configuration (options)	Default	
Temperature and Humidity	70 degF / 21 degC 71.0 %rH	
Voltage	220V	
Test End Date and Time	9/4/2019 12:23	

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)
	Paper feed direction		default (long edge)
ADF Paper-path	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	8.74
			double sided	0.00
B&W	PDF 1.7	200	single sided	15.67
			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	5.92	3.27	3.00
			double sided	0.00		
B&W	PDF 1.7	200	single sided	10.82	3.40	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	7.34	8.2	8.74
			double sided	0.00	0	0
B&W	PDF 1.7	200	single sided	11.60	14.01	15.67
			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	4.55	5.92	3.27	3
			double sided	0.00	0.00		
B&W	PDF 1.7	200	single sided	6.54	10.82	3.40	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 Z240 SFF Workstation
	Processor	Intel Core i7 -6770, 3.4 GHz
	System Chip Set	Intel SKL/KBL Mobile/Desktop
	System Board	system devices, default system BIOS
	System Memory	8 GB
	Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVDWRW GUD1N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
	Operating System	Win 10 Enterprise 64 Bit (10240)
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
	Connction Cable	Cat6 Straight cable
	Wireless router	No use
	Others	No use