

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP Color LaserJet MFP M776DN

Printing device and settings	
Test Start Date and Time	2/11/2020 10:36
Tester	RM
Machine name/model	HP Color LaserJet MFP M776DN
Colour or B&W	Colour
FW Version	2409048_052886
Temperature and Humidity	72 degF / 22 degC 21.0 %RH
Voltage	220V
Test End Date and Time	5/1/2020 12:04

Item	Value
Mode and Setting	Driver Version 6.7.0.23989
	Media/Quality Setting Default / Default
	Simplex B&W Settings Print in Grayscale
	Duplex B&W Settings Print in Grayscale
	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) Yes
	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	10.99	45.46
	Duplex	14.25	48.00
B&W	Simplex	10.42	45.49
	Duplex	13.69	48.06
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)	1 set + 30sec
Color Mode	Simplex - Adobe Reader	10.89	22.04	34.96	41.38	45.50
			(1 set)	(7 sets)	(47 sets)	
	Simplex - Word	11.16	21.52	36.89		45.45
			(1 set)	(7 sets)		
	Simplex - Excel	10.91	22.01	39.30		45.45
			(1 set)	(7 sets)		
	Simplex - Average	10.99	21.85	37.05	41.38	45.46
B&W mode (optional for color device)	Duplex - Adobe Reader	14.30	16.78	34.00		47.84
			(1 set)	(8 sets)		
	Duplex - Word	14.58	16.46	37.54		48.10
			(1 set)	(8 sets)		
	Duplex - Excel	13.86	17.32	37.66		48.08
			(1 set)	(8 sets)		
	Duplex - Average	14.25	16.85	36.40		48.00
B&W mode (optional for color device)	Simplex - Adobe Reader	10.10	23.77	40.03	41.46	45.49
			(1 set)	(7 sets)	(48 sets)	
	Simplex - Word	10.61	22.61	39.64		45.48
			(1 set)	(7 sets)		
	Simplex - Excel	10.54	22.78	39.75		45.50
			(1 set)	(7 sets)		
	Simplex - Average	10.42	23.05	39.80	41.5	45.49
B&W mode (optional for color device)	Duplex - Adobe Reader	13.30	18.04	37.80		48.08
			(1 set)	(8 sets)		
	Duplex - Word	13.57	17.68	38.14		48.00
			(1 set)	(8 sets)		
	Duplex - Excel	14.18	16.92	37.98		48.10
			(1 set)	(8 sets)		
	Duplex - Average	13.69	17.54	37.97		48.06
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 DVDWR GUD1N
I/O Subsystem	Builtin
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

Full Detailed Test Report - A4

HP Color LaserJet MFP M776DN

Printing device and settings	
Test Start Date and Time	2/11/2020 10:36
Tester	RM
Machine name/model	HP Color LaserJet MFP M776DN
Colour or B&W	Colour
FW Version	2409048_052886
Temperature and Humidity	72 degF / 22 degC 21.0 %RH
Voltage	220V
Test End Date and Time	5/1/2020 12:04

Item	Value
Mode and Setting	Driver Version 6.7.0.23989
	Media/Quality Setting Default / Default
	Simplex B&W Settings Print in Grayscale
	Duplex B&W Settings Print in Grayscale
	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) Yes
	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	11.09	46.60
	Duplex	13.99	49.04
B&W	Simplex	10.35	46.56
	Duplex	13.62	49.13
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	10.91	22.00	39.98	42.76	46.60
			(1 set)	(7 sets)	(49 sets)	
	Simplex - Word	11.14	21.55	40.13		46.59
			(1 set)	(7 sets)		
	Simplex - Excel	11.20	21.45	39.98		46.62
			(1 set)	(7 sets)		
	Simplex - Average	11.09	21.66	40.03	42.76	46.60
B&W mode (optional for color device)	Duplex - Adobe Reader	13.95	17.20	37.36		48.78
			(1 set)	(8 sets)		
	Duplex - Word	14.21	16.88	38.10		49.22
			(1 set)	(8 sets)		
	Duplex - Excel	13.80	17.38	38.62		49.14
			(1 set)	(8 sets)		
	Duplex - Average	14.0	17.15	38.02		49.04
	Simplex - Adobe Reader	10.06	23.86	40.88	42.18	46.60
			(1 set)	(7 sets)	(49 sets)	
	Simplex - Word	10.56	22.73	39.41		46.53
			(1 set)	(7 sets)		
	Simplex - Excel	10.41	23.05	39.82		46.57
			(1 set)	(7 sets)		
	Simplex - Average	10.4	23.21	40.03	42.2	46.56
	Duplex - Adobe Reader	13.23	18.12	37.30		49.18
			(1 set)	(8 sets)		
	Duplex - Word	14.19	16.92	37.62		49.14
			(1 set)	(8 sets)		
	Duplex - Excel	13.43	17.86	38.44		49.08
			(1 set)	(8 sets)		
	Duplex - Average	13.6	17.63	37.78		49.13
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

Full Detailed Test Report - Tabloid

HP Color LaserJet MFP M776DN

Printing device and settings	
Test Start Date and Time	2/11/2020 10:36
Tester	RM
Machine name/model	HP Color LaserJet MFP M776DN
Colour or B&W	Colour
FW Version	2409048_052886
Temperature and Humidity	72 degF / 22 degC 21.0 %RH
Voltage	220V
Test End Date and Time	5/1/2020 12:04

Item	Value
Mode and Setting	Driver Version 6.7.0.23989
	Media/Quality Setting Default / Default
	Simplex B&W Settings Print in Grayscale
	Duplex B&W Settings Print in Grayscale
	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) Yes
	Paper Manufacturer HP
	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	10.99	26.27
	Duplex	14.25	27.09
B&W	Simplex	15.06	26.27
	Duplex	18.35	27.09
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)	1 set + 30sec
Color Mode	Simplex - Adobe Reader	15.94	15.05	21.07	24.79	26.27
			(1 set)	(5 sets)	(28 sets)	
	Simplex - Word	15.66	15.32	22.89		26.27
			(1 set)	(5 sets)		
	Simplex - Excel	15.42	15.56	22.89		26.27
			(1 set)	(5 sets)		
	Simplex - Average	15.68	15.31	22.28	24.79	26.27
	Duplex - Adobe Reader	22.96	10.44	20.32		27.10
			(1 set)	(5 sets)		
B&W mode (optional for color device)	Duplex - Word	19.64	12.22	21.18		27.08
			(1 set)	(5 sets)		
	Duplex - Excel	19.25	12.46	21.76		27.10
			(1 set)	(5 sets)		
	Duplex - Average	20.62	11.70	21.08		27.09
Simplex - Adobe Reader	15.27	15.71	23.51	23.40	26.27	
		(1 set)	(5 sets)	(28 sets)		
Simplex - Word	15.26	15.72	23.16		26.26	
		(1 set)	(5 sets)			
Simplex - Excel	14.63	16.40	23.39		26.28	
		(1 set)	(5 sets)			
Simplex - Average	15.06	15.94	23.35	23.40	26.27	
Duplex - Adobe Reader	17.91	13.38	21.80		27.10	
		(1 set)	(5 sets)			
Duplex - Word	18.55	12.92	21.66		27.10	
		(1 set)	(5 sets)			
Duplex - Excel	18.57	12.92	21.68		27.08	
		(1 set)	(5 sets)			
Duplex - Average	18.35	13.07	21.71		27.09	
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

Full Detailed Test Report - A3

HP Color LaserJet MFP M776DN

Printing device and settings	
Test Start Date and Time	2/11/2020 10:36
Tester	RM
Machine name/model	HP Color LaserJet MFP M776DN
Colour or B&W	Colour
FW Version	2409048_052886
Temperature and Humidity	72 degF / 22 degC 21.0 %RH
Voltage	220V
Test End Date and Time	5/1/2020 12:04

Item	Value
Mode and Setting	Driver Version 6.7.0.23989
	Media/Quality Setting Default / Default
	Simplex B&W Settings Print in Grayscale
	Duplex B&W Settings Print in Grayscale
	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) Yes
	Paper Manufacturer HP
	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	10.99	26.26
	Duplex	14.25	27.14
B&W	Simplex	15.20	26.26
	Duplex	18.55	27.09
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)	1 set + 30sec
Color Mode	Simplex - Adobe Reader	15.11	15.88	23.13	24.67	26.26
			(1 set)	(5 sets)	(28 sets)	
	Simplex - Word	15.46	15.52	22.64		26.27
			(1 set)	(5 sets)		
	Simplex - Excel	14.89	16.12	23.17		26.26
			(1 set)	(5 sets)		
	Simplex - Average	15.16	15.84	22.98	24.67	26.26
	Duplex - Adobe Reader	22.86	10.48	20.14		27.16
			(1 set)	(5 sets)		
B&W mode (optional for color device)	Duplex - Word	19.09	12.56	21.48		27.14
			(1 set)	(5 sets)		
	Duplex - Excel	18.42	13.02	21.40		27.14
			(1 set)	(5 sets)		
	Duplex - Average	20.13	12.02	21.00		27.14
	Simplex - Adobe Reader	14.43	16.62	23.53	24.03	26.27
			(1 set)	(5 sets)	(28 sets)	
	Simplex - Word	16.06	14.94	23.20		26.27
			(1 set)	(5 sets)		
	Simplex - Excel	15.11	15.89	23.25		26.24
			(1 set)	(5 sets)		
	Simplex - Average	15.20	15.81	23.32	24.03	26.26
	Duplex - Adobe Reader	19.03	12.62	21.50		27.08
			(1 set)	(5 sets)		
	Duplex - Word	18.87	12.74	21.62		27.10
			(1 set)	(5 sets)		
	Duplex - Excel	17.73	13.52	21.74		27.10
			(1 set)	(5 sets)		
	Duplex - Average	18.55	12.96	21.62		27.09
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 M776DN

Printing device and settings

Test Start Date and Time	2/11/2020 10:36
Tester	RM
Machine name/model	HP Color LaserJet MFP M776DN
Colour or B&W	Colour
FW Version	2409048_052886
Temperature and Humidity	72 degF / 22 degC 21.0 %rH
Voltage	220V
Test End Date and Time	5/1/2020 12:04

Item	Value
Mode and Setting	Driver Version 6.7.0.23989
	Media/Quality Setting Default / Default
	Simplex B&W Settings Print in Grayscale
	Duplex B&W Settings Print in Grayscale
	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) Yes
	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	82%	76%
A5, Portrait Feed, Simplex, Colour	Simplex		
Legal, Simplex, Colour	Simplex	77%	68%
Legal, Duplex, Colour	Duplex	66%	69%
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	88%	76%
A5, Portrait Feed, Simplex, B/W	Simplex		
Legal, Simplex, B/W	Simplex	77%	68%
Legal, Duplex, B/W	Duplex	66%	69%
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	15.76	46.6	19.32	35.7	82%	76%
A5, Portrait Feed, Simplex, Colour	15.76	46.6				
Legal, Simplex, Colour	16.16	45.51	21.26	31.4	77%	68%
Legal, Duplex, Colour	16.16	45.51	24.71	31.7	66%	69%
A4, 1200 dpi, Simplex, Colour	15.76	46.6				
Letter, 1200 dpi, Simplex, Colour	16.16	45.51				
A4, General Office, Simplex, Colour	15.76	46.6				
Letter, General Office, Simplex, Colour	16.16	45.51				
A5, Landscape Feed, Simplex, B/W	15.63	46.59	17.85	35.7	88%	76%
A5, Portrait Feed, Simplex, B/W	15.63	46.59				
Legal, Simplex, B/W	15.84	45.5	20.67	31.4	77%	68%
Legal, Duplex, B/W	15.84	45.5	24.09	31.7	66%	69%
A4, 1200 dpi, Simplex, B/W	15.63	46.59				
Letter, 1200 dpi, Simplex, B/W	15.84	45.5				
A4, General Office, Simplex, B/W	15.63	46.59				
Letter, General Office, Simplex, B/W	15.84	45.5				

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 DVDWR GUD1N
	I/O Subsystem Built-in
	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 Acrobat Reader DC
	Microsoft Office Excel 2016
	Print Driver Not Specified
	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 M776DN

Printing device and settings		
Test Start Date and Time	2/7/2020 17:26	
Tester	AW	
Machine name/model	HP Color LaserJet MFP M776DN	
Colour or B&W	Colour	
FW Version	2409048_052886	
Configuration (options)	Default	
Controller	7.137	
Printing device page count	Not Specified	
Printing supplies page count	Not Specified	
Temperature and Humidity	72 degF / 22 degC, 21.0 %rH	
Voltage	220V	
Test End Date and Time	2/10/2020 16:42	

Item	Value
PDL and driver version	6.7.0.23989
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
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	6.56
	Duplex	
B&W	Simplex	6.28
	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	6.51	6.95	6.21	6.56	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			12.75		67 Minutes
	Recovery Time			6.5		
	FPOT from Off - Simplex			226.60		
	Warm-up Time			220.39		
B&W Mode	FPOT from Ready - Simplex	6.25	6.73	5.85	6.28	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			11.26		67 Minutes
	Recovery Time			5.4		
	FPOT from Off - Simplex			208.50		
	Warm-up Time			202.65		

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	12.75	13.37	12.12	N/A	Adobe Reader	67 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	11.88	11.96	11.80	N/A	Adobe Reader	15 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	11.26	11.59	10.92	N/A	Adobe Reader	67 Minutes
B&W Mode	FPOT from Sleep (15 minutes) HP/Non ISO Test	11.57	11.70	11.43	N/A	Adobe Reader	15 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
	Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVDRW GUD1N
	I/O Subsystem	Builitin
Printing Device Connection	TCP/IP	10/1000
	USB Subsystem	USB 2.0/3.0
Software	Operating System	Win 10 Enterprise 64 Bit (10240)
	Printing Applications	Microsoft Office 2016
	Print Driver	Adobe Reader DC

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

Full Detailed Test Report - A4

HP Color LaserJet MFP M776DN

Printing device and settings		
Test Start Date and Time	2/7/2020 17:26	
Tester	AW	
Machine name/model	HP Color LaserJet MFP M776DN	
Colour or B&W	Colour	
FW Version	2409048_052886	
Configuration (options)	Default	
Controller	7.137	
Printing device page count	Not Specified	
Printing supplies page count	Not Specified	
Temperature and Humidity	72 degF / 22 degC, 21.0 %rH	
Voltage	220V	
Test End Date and Time	2/10/2020 16:42	

Item	Value
PDL and driver version	6.7.0.23989
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
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	6.49
	Duplex	
B&W	Simplex	6.19
	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	6.73	6.49	6.23	6.49	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			13.09		67 Minutes
	Recovery Time			6.9		
	FPOT from Off - Simplex			214.43		
	Warm-up Time			208.20		
B&W Mode	FPOT from Ready - Simplex	6.43	6.24	5.90	6.19	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			12.25		67 Minutes
	Recovery Time			6.4		
	FPOT from Off - Simplex			217.61		
	Warm-up Time			211.71		

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	13.09	13.13	13.04	N/A	Adobe Reader	67 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	11.72	11.65	11.78	N/A	Adobe Reader	15 Minutes
	FPOT from Ready, HP High Speed HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	N/A
B&W Mode	FPOT from Sleep	12.25	12.62	11.88	N/A	Adobe Reader	67 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	11.66	11.71	11.60	N/A	Adobe Reader	15 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
	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
Printing Device Connection	TCP/IP	10/1000
Software	Operating System	Win 10 Enterprise 64 Bit (10240)
	Printing Applications	Microsoft Office 2016
	Print Driver	Adobe Reader DC
		6.7.0.23989

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP Color LaserJet MFP M776DN

Machine Setup Information

	Test Start Date and Time	2/24/2020 17:26
	Tester	RM
	Machine name/model	HP Color LaserJet MFP M776DN
	Colour or B&W	Colour
	FW Version	2409048_052886
	Configuration (options)	Not Specified
	Temperature and Humidity	72 degF / 22 degC 21.0 %rH
	Test End Date and Time:	3/20/2020 17:06

	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	7.46	45.49
B&W	5.11	45.50

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	7.46	8.05	37.67 25 sets	42.39 186 sets	45.49
	B					
	C					
	D					
	Average	7.46	8.05	37.67	42.39	45.49
B&W	A	5.11	11.75	39.01 25 sets	41.66 186 sets	45.50
	B					
	C					
	D					
	Average	5.11	11.75	39.01	41.66	45.50

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 M776DN

Machine Setup Information

	Test Start Date and Time	2/24/2020 17:26
	Tester	RM
	Machine name/model	HP Color LaserJet MFP M776DN
	Colour or B&W	Colour
	FW Version	2409048_052886
	Configuration (options)	Not Specified
	Temperature and Humidity	72 degF / 22 degC 21.0 %rH
	Test End Date and Time:	3/20/2020 17:06

	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	7.12	46.62
B&W	5.11	46.57


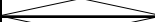

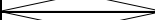

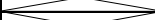


Notes
First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information, see <http://w.w.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.
Only Target A was used, all test documents have the same Saturated 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	7.12	8.43	38.66 25 sets	42.61 186 sets	46.62
	B					
	C					
	D					
	Average	7.12	8.43	38.66	42.61	46.62
B&W	A	5.11	11.75	39.97 26 sets	41.53 186 sets	46.57
	B					
	C					
	D					
	Average	5.11	11.75	39.97	41.53	46.57

Notes
First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information, see <http://w.w.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



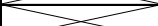
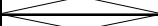
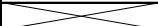
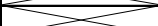

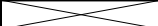
Full Detailed Test Report - LETTER

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	12.34	19.47	37.72	42.19	45.51
			(1 set)	7 sets	47 sets	
	1:2	16.73	14.34	35.54		48.10
			(1 set)	8 sets		
	2:2	17.54	13.70	35.26		48.08
			(1 set)	8 sets		
B&W mode	1:1	9.82	24.45	39.57	41.83	45.48
				7 sets	47 sets	
	1:2	14.42	16.62	37.28		48.08
				8 sets		
	2:2	16.98	14.14	36.84		48.08
				8 sets		

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	11.86	20.23	38.80	43.02	46.62
			(1 set)	7 sets	49 sets	
	1:2	16.46	14.56	35.90		48.42
			(1 set)	8 sets		
	2:2	16.69	14.36	36.04		49.12
			(1 set)	8 sets		
B&W mode	1:1	9.68	24.79	40.50	42.82	46.58
				7 sets	48 sets	
	1:2	15.02	15.96	37.74		49.18
				8 sets		
	2:2	15.61	15.38	37.36		49.12
				8 sets		

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	5/8/2020 14:54	
Tester	RM	
Machine name/model	HP Color LaserJet MFP M776DN	
Colour or B&W	Colour	
Configuration (options)	Default	
Temperature and Humidity	72 degF / 22 degC 0 %rH	
Voltage	220V	
Test End Date and Time	5/8/2020 17:30	

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)
	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: Letter

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	97.87
			double sided	187.30
B&W	PDF 1.4	200	single sided	98.37
			double sided	187.98

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 1.4	200	single sided	71.99	4.37	14.00
			double sided	99.73	8.53	25.00
B&W	PDF 1.4	200	single sided	76.22	2.53	14.00
			double sided	124.64	4.55	25.00

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 1.4	200	single sided	46.51	91.11	97.87
			double sided	57.65	167.41	187.3
B&W	PDF 1.4	200	single sided	43.84	91.26	98.37
			double sided	56.86	172.35	187.98

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 1.4	200	single sided	28.59	71.99	4.37	14
			double sided	28.72	99.73	8.53	25
B&W	PDF 1.4	200	single sided	28.58	76.22	2.53	14
			double sided	29.62	124.64	4.55	25

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	5/8/2020 14:54	
Tester	RM	
Machine name/model	HP Color LaserJet MFP M776DN	
Colour or B&W	Colour	
Configuration (options)	Default	
Temperature and Humidity	72 degF / 22 degC 0 %rH	
Voltage	220V	
Test End Date and Time	5/8/2020 17:30	

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)
	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 1.4	200	single sided	99.75
			double sided	189.47
B&W	PDF 1.4	200	single sided	100.12
			double sided	187.96

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 1.4	200	single sided	72.77	4.22	14.00
			double sided	102.53	8.07	26.00
B&W	PDF 1.4	200	single sided	78.11	2.42	14.00
			double sided	125.78	4.45	26.00

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 1.4	200	single sided	47.80	92.72	99.75
			double sided	60.61	175.31	189.47
B&W	PDF 1.4	200	single sided	45.32	92.89	100.12
			double sided	59.33	174.83	187.96

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 1.4	200	single sided	30.99	72.77	4.22	14
			double sided	29.79	102.53	8.07	26
B&W	PDF 1.4	200	single sided	29.56	78.11	2.42	14
			double sided	28.46	125.78	4.45	26

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
	Connection Cable	Cat6 Straight cable
	Wireless router	No use
	Others	No use

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - Tabloid

Machine Setup Information		
Test Start Date and Time	5/8/2020 14:54	
Tester	RM	
Machine name/model	HP Color LaserJet MFP M776DN	
Colour or B&W	Colour	
Configuration (options)	Default	
Temperature and Humidity	72 degF / 22 degC 0 %rH	
Voltage	220V	
Test End Date and Time	5/8/2020 17:30	

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)
	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: Tabloid

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	52.13
			double sided	111.26
B&W	PDF 1.4	200	single sided	52.24
			double sided	116.74

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: Tabloid

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.4	200	single sided	36.77	4.99	8.00
			double sided	52.31	10.75	16.00
B&W	PDF 1.4	200	single sided	39.86	2.84	8.00
			double sided	67.97	6.05	17.00

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: Tabloid

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	28.30	47.31	52.13
			double sided	38.09	99.98	111.26
B&W	PDF 1.4	200	single sided	30.00	47.77	52.24
			double sided	44.20	105.69	116.74

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: Tabloid

	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 1.4	200	single sided	19.48	36.77	4.99	8
			double sided	21.06	52.31	10.75	16
B&W	PDF 1.4	200	single sided	19.69	39.86	2.84	8
			double sided	23.51	67.97	6.05	17

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 - A3

Machine Setup Information		
Test Start Date and Time	5/8/2020 14:54	
Tester	RM	
Machine name/model	HP Color LaserJet MFP M776DN	
Colour or B&W	Colour	
Configuration (options)	Default	
Temperature and Humidity	72 degF / 22 degC 0 %rH	
Voltage	220V	
Test End Date and Time	5/8/2020 17:30	

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)
	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: A3

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	53.81
			double sided	113.44
B&W	PDF 1.4	200	single sided	54.13
			double sided	119.38

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: A3

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.4	200	single sided	38.07	4.99	8.00
			double sided	52.58	10.00	16.00
B&W	PDF 1.4	200	single sided	40.93	2.83	8.00
			double sided	65.94	5.59	16.00

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: A3

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	30.52	48.92	53.81
			double sided	43.78	103.1	113.44
B&W	PDF 1.4	200	single sided	31.33	49.29	54.13
			double sided	42.08	106.23	119.38

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: A3

	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 1.4	200	single sided	20.32	38.07	4.99	8
			double sided	22.20	52.58	10.00	16
B&W	PDF 1.4	200	single sided	20.98	40.93	2.83	8
			double sided	23.30	65.94	5.59	16

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
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	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVDRW GUD1N
	I/O Subsystem	Builtin
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	Operating System	Win 10 Enterprise 64 Bit (10240)
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	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
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