

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP Color LaserJet Pro MFP M479fdw

Printing device and settings	
Test Start Date and Time	1/18/2019 13:18
Tester	RM
Machine name/model	HP Color LaserJet Pro MFP M479fdw
Colour or B&W	Colour
FW Version	1903A
Temperature and Humidity	75 degF / 24 degC 25.0 %rH
Voltage	220V
Test End Date and Time	2/7/2019 9:36

Item	Value	
Mode and Setting	Driver Version	48.0.4221
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	black only
	Duplex B&W Settings	black only
	Setting N set count	Application
Collating function	Not Specified	
Paper Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
Duplexing Unit (Yes/No)	Yes	
Paper	Paper Manufacturer	HP
	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	17.26	28.75
	Duplex	23.94	26.06
B&W	Simplex	15.66	28.74
	Duplex	23.37	26.06

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)	
Color Mode	Simplex - Adobe Reader	16.90	14.19 ( 1 set )	23.81 ( 5 sets )	27.20 ( 30 sets )	28.75
	Simplex - Word	17.71	13.54 ( 1 set )	23.38 ( 5 sets )		28.76
	Simplex - Excel	17.15	13.99 ( 1 set )	23.69 ( 5 sets )		28.75
	Simplex - Average	17.26	13.90 ( 1 set )	23.62 ( 5 sets )	27.20	28.75
	Duplex - Adobe Reader	23.83	10.06 ( 1 set )	19.64 ( 5 sets )		26.04
	Duplex - Word	24.40	9.82 ( 1 set )	19.58 ( 5 sets )		26.06
	Duplex - Excel	23.58	10.16 ( 1 set )	19.74 ( 5 sets )		26.08
	Duplex - Average	23.94	10.01 ( 1 set )	19.65 ( 5 sets )		26.06
B&W mode (optional for color device)	Simplex - Adobe Reader	15.05	15.94 ( 1 set )	24.70 ( 5 sets )	27.35 ( 30 sets )	28.75
	Simplex - Word	16.32	14.71 ( 1 set )	24.16 ( 5 sets )		28.74
	Simplex - Excel	15.60	15.38 ( 1 set )	24.45 ( 5 sets )		28.74
	Simplex - Average	15.66	15.34 ( 1 set )	24.43 ( 5 sets )	27.4	28.74
	Duplex - Adobe Reader	22.89	10.48 ( 1 set )	19.92 ( 5 sets )		26.06
	Duplex - Word	23.82	10.06 ( 1 set )	19.70 ( 5 sets )		26.06
	Duplex - Excel	23.39	10.26 ( 1 set )	19.84 ( 5 sets )		26.06
	Duplex - Average	23.37	10.26 ( 1 set )	19.82 ( 5 sets )		26.06

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 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 DHT6aCSHR ATA
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	10/100
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A4

HP Color LaserJet Pro MFP M479fdw

Printing device and settings	
Test Start Date and Time	1/18/2019 13:18
Tester	RM
Machine name/model	HP Color LaserJet Pro MFP M479fdw
Colour or B&W	Colour
FW Version	1903A
Temperature and Humidity	75 degF / 24 degC 25.0 %rH
Voltage	220V
Test End Date and Time	2/7/2019 9:36

Item	Value	
Mode and Setting	Driver Version	48.0.4221
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	black only
	Duplex B&W Settings	black only
	Setting N set count	Application
Collating function		Not Specified
Paper Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
Duplexing Unit (Yes/No)		Yes
Paper	Paper Manufacturer	HP
	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	18.12	27.19
	Duplex	24.53	24.78
B&W	Simplex	16.14	27.19
	Duplex	24.11	24.78

Notes

- 1) All printing device and driver settings were default mode.
- 2) For the B&W results, the print driver was set to "print in B/W".
- 3) For more information see <http://www.hp.com/go/printerclaims>.
- 4) Port monitor not configured to follow device if the IP address changes.

Detailed Report: A4

Office Category Test	FSOT (secs)	EFTP (ipm)			ESAT (ipm)	
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)		
Colour Mode	Simplex - Adobe Reader	18.16	13.23 (1 set)	22.58 (5 sets)	25.64 (29 sets)	27.19
	Simplex - Word	18.55	12.93 (1 set)	22.28 (5 sets)		27.20
	Simplex - Excel	17.64	13.60 (1 set)	22.67 (5 sets)		27.20
	Simplex - Average	18.12	13.25 (1 set)	22.51 (5 sets)	25.64 (29 sets)	27.19
	Duplex - Adobe Reader	24.29	9.86 (1 set)	18.82 (5 sets)		24.78
	Duplex - Word	25.07	9.56 (1 set)	18.70 (5 sets)		24.78
	Duplex - Excel	24.23	9.90 (1 set)	18.98 (5 sets)		24.78
	Duplex - Average	24.5	9.77 (1 set)	18.83 (5 sets)		24.78
B&W mode (optional for color device)	Simplex - Adobe Reader	15.56	15.42 (1 set)	23.55 (5 sets)	25.91 (29 sets)	27.18
	Simplex - Word	16.89	14.20 (1 set)	22.34 (5 sets)		27.21
	Simplex - Excel	15.97	15.02 (1 set)	23.39 (5 sets)		27.19
	Simplex - Average	16.1	14.88 (1 set)	23.09 (5 sets)	25.9 (29 sets)	27.19
	Duplex - Adobe Reader	23.57	10.18 (1 set)	19.16 (5 sets)		24.78
	Duplex - Word	24.64	9.72 (1 set)	18.38 (5 sets)		24.78
	Duplex - Excel	24.12	9.94 (1 set)	18.56 (5 sets)		24.78
	Duplex - Average	24.1	9.94 (1 set)	18.70 (5 sets)		24.78

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 DHT6aCSHR ATA
I/O Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

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

**Feature Performance Full Report - Office Feature Performance Test**

HP Color LaserJet Pro MFP M479fdw

Printing device and settings		
Test Start Date and Time	1/18/2019 13:18	
Tester	RM	
Machine name/model	HP Color LaserJet Pro MFP M479fdw	
Colour or B&W	Colour	
FW Version	1903A	
Temperature and Humidity	75 degF / 24 degC 25.0 %rH	
Voltage	220V	
Test End Date and Time	2/7/2019 9:36	

Item	Value	
Mode and Setting	Driver Version	48.0.4221
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	black only
	Duplex B&W Settings	black only
	Setting N set count	Application
	Collating function	Not Specified
Paper Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
Paper	Paper Manufacturer	HP
	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	141%	183%
A5, Portrait Feed, Simplex, Colour	Simplex	102%	29%
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	142%	183%
A5, Portrait Feed, Simplex, B/W	Simplex	104%	42%
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	26.75	27.18	19.09	49.9	141%	183%
A5, Portrait Feed, Simplex, Colour	26.75	27.18	26.34	8.1	102%	29%
Legal, Simplex, Colour	26.05	28.75				
Legal, Duplex, Colour	26.05	28.75				
A4, 1200 dpi, Simplex, Colour	26.75	27.18				
Letter, 1200 dpi, Simplex, Colour	26.05	28.75				
A4, General Office, Simplex, Colour	26.75	27.18				
Letter, General Office, Simplex, Colour	26.05	28.75				
A5, Landscape Feed, Simplex, B/W	24.55	27.2	17.33	50.0	142%	183%
A5, Portrait Feed, Simplex, B/W	24.55	27.2	23.8	11.5	104%	42%
Legal, Simplex, B/W	23.61	28.73				
Legal, Duplex, B/W	23.61	28.73				
A4, 1200 dpi, Simplex, B/W	24.55	27.2				
Letter, 1200 dpi, Simplex, B/W	23.61	28.73				
A4, General Office, Simplex, B/W	24.55	27.2				
Letter, General Office, Simplex, B/W	23.61	28.73				

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

**Test System Parameters**

Item	Value	
Test System	Computer	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	system devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aC5HR ATA
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
I/O	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 Color LaserJet Pro MFP M479fdw

Printing device and settings	
Test Start Date and Time	1/18/2019 12:38
Tester	RM
Machine name/model	HP Color LaserJet Pro MFP M479fdw
Colour or B&W	Colour
FW Version	1903A
Configuration (options)	Default
Controller	11501
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	2/6/2019 16:16

Item	Value
<b>Mode and Setting</b>	PDL and driver version 48.0.4221
	Print Quality mode default
	B&W settings default
	Paper feed orientation Short Edge
<b>Paper</b>	Paper type setting default
	Paper feeding Standard cassette
	Paper exit Standard exit tray
<b>Paper Path</b>	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	10.77
	Duplex	
B&W	Simplex	8.91
	Duplex	

- Notes
- 1) All printing device and driver settings were default mode.
  - 2) For the B/W results, the print driver was set to "print in B/W".
  - 3) For more information see <http://www.hp.com/go/printerclaims>.
  - 4) Port monitor not configured to follow device if the IP address changes.
  - 5) Page counts were collected after completion of the tests.

**ISO First Page Out Time Report: Office Category**

Detailed Report: LETTER						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
Color Mode	FPOT from Ready - Simplex	11.19	10.30	10.82	10.77	48 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			11.80		61 Minutes
	Recovery Time			1.0		
	FPOT from Off - Simplex			39.38		
	Warm-up Time			0.00		
B&W Mode	FPOT from Ready - Simplex	9.50	8.78	8.45	8.91	48 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			11.70		61 Minutes
	Recovery Time			3.3		
	FPOT from Off - Simplex			37.30		
	Warm-up Time			0.00		

- 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	11.80	12.00	11.59	N/A	Adobe Reader	61 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	11.89	11.94	11.84	N/A	Adobe Reader	16 Minutes
	FPOT from Sleep	11.70	11.70	11.70	N/A	Adobe Reader	61 Minutes
B&W Mode	FPOT from Sleep (15 minutes) HP/Non ISO Test	10.75	10.75	10.74	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 Adobe Reader 10.1.4
	Print Driver	48.0.4221

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

Full Detailed Test Report - A4

HP Color LaserJet Pro MFP M479fdw

Printing device and settings	
Test Start Date and Time	1/18/2019 12:38
Tester	RM
Machine name/model	HP Color LaserJet Pro MFP M479fdw
Colour or B&W	Colour
FW Version	1903A
Configuration (options)	Default
Controller	11501
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	2/6/2019 16:16

Item	Value
<b>Mode and Setting</b>	
PDL and driver version	48.0.4221
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
<b>Paper</b>	
Paper type setting	default
Paper feeding	Standard cassette
Paper exit	Standard exit tray
<b>Paper Path</b>	
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>Colour</b>	Simplex	10.93
	Duplex	
<b>B&amp;W</b>	Simplex	9.39
	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
<b>Color Mode</b>	FPOT from Ready - Simplex	11.49	10.45	10.83	10.93	48 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			12.10		61 Minutes
	Recovery Time			1.3		
	FPOT from Off - Simplex			41.05		
	Warm-up Time			0.00		
<b>B&amp;W Mode</b>	FPOT from Ready - Simplex	10.61	8.94	8.60	9.39	48 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			12.55		61 Minutes
	Recovery Time			3.9		
	FPOT from Off - Simplex			38.88		
	Warm-up Time			0.00		

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
<b>Color Mode</b>	FPOT from Sleep	12.10	12.10	12.09	N/A	Adobe Reader	61 Minutes
	FPOT from Sleep (15 minutes)	11.93	11.93	11.92	N/A	Adobe Reader	16 Minutes
	HP/Non ISO Test						
<b>B&amp;W Mode</b>	FPOT from Sleep	12.55	11.04	13.13	13.47	Adobe Reader	61 Minutes
	FPOT from Sleep (15 minutes)	10.83	10.82	10.83	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**

Item	Value
<b>Test System</b>	
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
<b>Printing Device Connection</b>	
TCP/IP	10/1000
<b>Software</b>	
Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Printing Applications	Microsoft Office 2010 SP2 Adobe Reader 10.1.4
Print Driver	48.0.4221

# ISO/IEC 29183 Copy Productivity Report

## Full Detailed Test Report - LETTER

HP Color LaserJet Pro MFP M479fdw

Machine Setup Information	
Test Start Date and Time	1/24/2019 14:14
Tester	RM
Machine name/model	HP Color LaserJet Pro MFP M479fdw
Colour or B&W	Colour
FW Version	1903A
Configuration (options)	Not Specified
Temperature and Humidity	75 degF / 24 degC 25.0 %rH
Test End Date and Time:	1/31/2019 13:35

	Pre-set Item	Pre-set Value
<b>Mode</b>	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
<b>Paper</b>	Paper Sending Direction	Default
	Paper Type Setting	Default
<b>Paper Path</b>	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
<b>Temporary Stop</b>	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None
<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

Summary Report: <b>Letter</b>		
	sFCOT	sESAT (ipm)
<b>Color</b>	10.54	28.76
<b>B&amp;W</b>	8.59	28.76

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: <b>LETTER</b>						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
<b>Color</b>	A	10.54	5.69	22.94 16 sets	26.76 116 sets	28.76
	B					
	C					
	D					
	Average	10.54	5.69	22.94	26.76	28.76
<b>B&amp;W</b>	A	8.59	6.98	24.12 16 sets	26.92 116 sets	28.76
	B					
	C					
	D					
	Average	8.59	6.98	24.12	26.92	28.76

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 Pro MFP M479fdw

Machine Setup Information	
Test Start Date and Time	1/24/2019 14:14
Tester	RM
Machine name/model	HP Color LaserJet Pro MFP M479fdw
Colour or B&W	Colour
FW Version	1903A
Configuration (options)	Not Specified
Temperature and Humidity	75 degF / 24 degC 25.0 %rH
Test End Date and Time:	1/31/2019 13:35

	Pre-set Item	Pre-set Value
<b>Mode</b>	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
<b>Paper</b>	Paper Sending Direction	Default
	Paper Type Setting	Default
<b>Paper Path</b>	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
<b>Temporary Stop</b>	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None

<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

Summary Report: A4		
	sFCOT	sESAT (ipm)
<b>Colour</b>	10.68	27.20
<b>B&amp;W</b>	8.70	27.22

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>Colour</b>	A	10.68	5.61	21.67 15 sets	25.32 111 sets	27.20
	B					
	C					
	D					
	Average	10.68	5.61	21.67	25.32	27.20
<b>B&amp;W</b>	A	8.70	6.89	22.74 15 sets	25.29 111 sets	27.22
	B					
	C					
	D					
	Average	8.70	6.89	22.74	25.29	27.22

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 - LETTER

HP Color LaserJet Pro MFP M479fdw

Machine Setup Information		
Test Start Date and Time	1/24/2019 14:14	
Tester	RM	
Machine name/model	HP Color LaserJet Pro MFP M479fdw	
Colour or B&W	Colour	
FW Version	1903A	
Configuration (options)	Not Specified	
Temperature and Humidity	75 degF / 24 degC 25.0 %rH	
Test End Date and Time:	1/31/2019 13:35	

	Pre-set Item	Pre-set Value
<b>Mode</b>	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
<b>Paper</b>	Paper Sending Direction	Default
	Paper Type Setting	Default
<b>Paper Path</b>	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
<b>Temporary Stop</b>	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None
<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

Summary Report: <b>Letter</b>		
	sFCOT	sESAT (ipm)
<b>Color</b>	10.54	28.76
<b>B&amp;W</b>	8.59	28.76

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: <b>LETTER</b>						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
<b>Color</b>	A	10.54	5.69	22.94 16 sets	26.76 116 sets	28.76
	B					
	C					
	D					
	Average	10.54	5.69	22.94	26.76	28.76
<b>B&amp;W</b>	A	8.59	6.98	24.12 16 sets	26.92 116 sets	28.76
	B					
	C					
	D					
	Average	8.59	6.98	24.12	26.92	28.76

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 Pro MFP M479fdw

Machine Setup Information		
Test Start Date and Time	1/24/2019 14:14	
Tester	RM	
Machine name/model	HP Color LaserJet Pro MFP M479fdw	
Colour or B&W	Colour	
FW Version	1903A	
Configuration (options)	Not Specified	
Temperature and Humidity	75 degF / 24 degC 25.0 %rH	
Test End Date and Time:	1/31/2019 13:35	
Pre-set Item		
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	10.68	27.20
B&W	8.70	27.22

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	10.68	5.61	21.67 15 sets	25.32 111 sets	27.20
	B					
	C					
	D					
	Average	10.68	5.61	21.67	25.32	27.20
B&W	A	8.70	6.89	22.74 15 sets	25.29 111 sets	27.22
	B					
	C					
	D					
	Average	8.70	6.89	22.74	25.29	27.22

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 17991 Scanning Productivity Report**

**Full Detailed Test Report - LETTER**

Machine Setup Information		
Test Start Date and Time	1/29/2019 13:34	
Tester	RM	
Machine name/model	HP Color LaserJet Pro MFP M479fdw	
Colour or B&W	Colour	
Configuration (options)	Default	
Temperature and Humidity	75 degF / 24 degC 25.0 %rH	
Voltage	220V	
Test End Date and Time	1/29/2019 15:58	

Mode and Setting	Item	Preset Value
	ADF	Scanning resolution
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)
Output orientation		default
Paper-path	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	21.50
			double sided	37.83
B&W	PDF 1.4	200	single sided	31.00
			double sided	50.80

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	19.27	8.14	4.00
			double sided	33.30	12.41	6.00
B&W	PDF 1.4	200	single sided	27.41	0.61	5.00
			double sided	44.54	1.03	8.00

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	16.18	19.83	21.5
			double sided	24.59	34.4	37.83
B&W	PDF 1.4	200	single sided	21.13	28.32	31
			double sided	29.73	46.04	50.8

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	14.80	19.27	8.14	4
			double sided	21.54	33.30	12.41	6
B&W	PDF 1.4	200	single sided	18.86	27.41	0.61	5
			double sided	25.40	44.54	1.03	8

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 Transfer Protocol	IPv4 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	1/29/2019 13:34	
Tester	RM	
Machine name/model	HP Color LaserJet Pro MFP M479fdw	
Colour or B&W	Colour	
Configuration (options)	Default	
Temperature and Humidity	75 degF / 24 degC 25.0 %rH	
Voltage	220V	
Test End Date and Time	1/29/2019 15:58	

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 1.4	200	single sided	20.62
			double sided	36.23
B&W	PDF 1.4	200	single sided	30.25
			double sided	48.81

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	18.76	8.39	4.00
			double sided	31.99	12.18	6.00
B&W	PDF 1.4	200	single sided	27.45	0.64	5.00
			double sided	43.62	1.04	8.00

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	15.47	19.28	20.62
			double sided	25.48	33.01	36.23
B&W	PDF 1.4	200	single sided	20.37	28.37	30.25
			double sided	29.46	45.07	48.81

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	14.20	18.76	8.39	4
			double sided	22.24	31.99	12.18	6
B&W	PDF 1.4	200	single sided	18.22	27.45	0.64	5
			double sided	25.16	43.62	1.04	8

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