

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP Color LaserJet Managed MFP E77830dn

Printing device and settings		
Test Start Date and Time	3/22/2017 16:10	
Tester	TQW	
Machine name/model	HP Color LaserJet Managed MFP E77830dn	
Colour or B&W	Colour	
FW Version	2403293_005974	
Temperature and Humidity	73 degF / 23 degC 20.0 %RH	
Voltage	110V	
Test End Date and Time	6/13/2017 12:47	

Item	Value
Driver Version	6.4.0.22070
Media/Quality Setting	Default / Default
Simplex B&W Settings	Print in Greyscale
Duplex B&W Settings	Print in Greyscale
Setting N set count	Application
Collating function	Activated (application)
Paper Sending Direction	Default
Paper Size Setting	Default
Paper Feeding	Tray 2
Paper Exit	Standard Exit Tray
Output Orientation	Default (face down)
Duplexing Unit (Yes/No)	Yes
Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4
Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Letter			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	16.5	30.1
	Duplex	25.5	21.9
B&W	Simplex	14.6	30.1
	Duplex	23.5	21.8

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) Print 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 + 30sec (# of sets)	1 set + 4min (# of sets)		
Color Mode	Simplex - Adobe Reader	16.80	14.28 (1 set)	24.44 (5 sets)	26.47 (32 sets)	30.14
	Simplex - Word	16.14	14.88 (1 set)	24.98 (5 sets)		30.15
	Simplex - Excel	16.37	14.66 (1 set)	24.88 (5 sets)		30.16
	Simplex - Average	16.5	14.6	24.7	26.4	30.1
	Duplex - Adobe Reader	26.17	9.16 (1 set)	17.68 (6 sets)		21.98
	Duplex - Word	25.42	9.42 (1 set)	17.98 (6 sets)		21.98
	Duplex - Excel	24.71	9.70 (1 set)	17.36 (5 sets)		21.98
	Duplex - Average	25.5	9.4	17.6		21.9
B&W mode (optional for color device)	Simplex - Adobe Reader	14.87	16.14 (1 set)	25.44 (5 sets)	28.47 (34 sets)	30.14
	Simplex - Word	14.35	16.72 (1 set)	25.88 (5 sets)		30.15
	Simplex - Excel	14.52	16.53 (1 set)	25.82 (5 sets)		30.15
	Simplex - Average	14.6	16.4	25.7	28.4	30.1
	Duplex - Adobe Reader	23.76	10.08 (1 set)	16.58 (4 sets)		21.88
	Duplex - Word	23.64	10.14 (1 set)	16.84 (4 sets)		21.88
	Duplex - Excel	23.09	10.38 (1 set)	16.98 (4 sets)		21.90
	Duplex - Average	23.5	10.2	16.8		21.8

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) Print monitor not configured to follow device if the IP address changes.

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 -3770 3.4 GHz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

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

**Full Detailed Test Report - A4**

HP Color LaserJet Managed MFP E77830dn

Printing device and settings	
Test Start Date and Time	3/22/2017 16:10
Tester	TQW
Machine name/model	HP Color LaserJet Managed MFP E77830dn
Colour or B&W	Colour
FW Version	2403293_005974
Temperature and Humidity	73 degF / 23 degC 20.0 %RH
Voltage	110V
Test End Date and Time	6/13/2017 12:47

Item	Value	
Mode and Setting	Driver Version	6.4.0.22070
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Greyscale
	Duplex B&W Settings	Print in Greyscale
Paper Path	Setting N set count	Application
	Collating function	Activated (application)
	Paper Sending Direction	Default
	Paper Size Setting	Default
Paper	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A4			
Office Category	Test for Color Device	FSOT (seconds)	ESAT (ipm)
Colour	Simplex	16.5	30.1
	Duplex	25.9	22.0
B&W	Simplex	15.3	30.1
	Duplex	23.4	21.9

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 + 30sec (# of sets)	1 set + 4min (# of sets)		
Colour Mode	Simplex - Adobe Reader	16.76	14.31 (1 set)	24.42 (5 sets)	27.19 (34 sets)	30.15
	Simplex - Word	16.23	14.79 (1 set)	25.05 (5 sets)		30.14
	Simplex - Excel	16.25	14.77 (1 set)	24.93 (5 sets)		30.15
	Simplex - Average	16.5	14.6	24.8	27.1	30.1
	Duplex - Adobe Reader	26.60	9.02 (1 set)	16.04 (4 sets)		22.08
	Duplex - Word	26.01	9.22 (1 set)	16.44 (4 sets)		22.06
	Duplex - Excel	25.09	9.66 (1 set)	16.40 (4 sets)		22.06
	Duplex - Average	25.9	9.2	16.2		22.0
B&W mode (optional for color device)	Simplex - Adobe Reader	14.94	16.06 (1 set)	25.35 (5 sets)	29.03 (34 sets)	30.15
	Simplex - Word	14.61	16.43 (1 set)	25.94 (5 sets)		30.14
	Simplex - Excel	16.23	14.78 (1 set)	25.75 (5 sets)		30.15
	Simplex - Average	15.3	15.7	25.6	29.0	30.1
	Duplex - Adobe Reader	23.66	10.12 (1 set)	16.60 (4 sets)		21.96
	Duplex - Word	23.05	10.40 (1 set)	16.88 (4 sets)		21.96
	Duplex - Excel	23.30	10.28 (1 set)	16.82 (4 sets)		21.96
	Duplex - Average	23.4	10.2	16.7		21.9

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

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 -3770, 3.4 GHz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

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

**Full Detailed Test Report - Tabloid**

HP Color LaserJet Managed MFP E77830dn

Printing device and settings	
Test Start Date and Time	3/22/2017 16:10
Tester	TQW
Machine name/model	HP Color LaserJet Managed MFP E77830dn
Colour or B&W	Colour
FW Version	2403293_005974
Temperature and Humidity	73 degF / 23 degC 20.0 %RH
Voltage	110V
Test End Date and Time	6/13/2017 12:47

Item	Value	
Mode and Setting	Driver Version	6.4.0.22070
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Greyscale
	Duplex B&W Settings	Print in Greyscale
	Setting N set count	Application
Paper Path	Collating function	Activated (application)
	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
Paper	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Tabloid			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	16.5	16.0
	Duplex	25.5	12.2
B&W	Simplex	22.8	16.0
	Duplex	34.5	12.5

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 + 30sec (# of sets)	1 set + 4min (# of sets)		
Color Mode	Simplex - Adobe Reader	25.05	9.58 (1 set)	13.62 (4 sets)	14.93 (20 sets)	16.08
	Simplex - Word	23.71	10.12 (1 set)	14.00 (4 sets)		16.07
	Simplex - Excel	23.39	10.25 (1 set)	13.99 (4 sets)		16.08
	Simplex - Average	24.1	9.9 (1 set)	13.6 (4 sets)	14.9 (20 sets)	16.0
	Duplex - Adobe Reader	37.00	6.48 (1 set)	8.36 (3 sets)		12.26
	Duplex - Word	33.99	7.04 (1 set)	9.16 (3 sets)		12.26
	Duplex - Excel	33.60	7.12 (1 set)	9.16 (3 sets)		12.26
	Duplex - Average	34.9	6.8 (1 set)	8.8 (3 sets)		12.2
B&W mode (optional for color device)	Simplex - Adobe Reader	23.71	10.11 (1 set)	13.95 (4 sets)	15.58 (20 sets)	16.08
	Simplex - Word	22.34	10.74 (1 set)	14.19 (4 sets)		16.08
	Simplex - Excel	22.29	10.76 (1 set)	14.28 (4 sets)		16.08
	Simplex - Average	22.8	10.5 (1 set)	14.1 (4 sets)	15.5 (20 sets)	16.0
	Duplex - Adobe Reader	40.63	5.88 (1 set)	9.26 (3 sets)		12.56
	Duplex - Word	31.94	7.50 (1 set)	9.52 (3 sets)		12.56
	Duplex - Excel	30.75	7.80 (1 set)	9.54 (3 sets)		12.56
	Duplex - Average	34.5	7.0 (1 set)	9.4 (3 sets)		12.5

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 8350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

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

**Full Detailed Test Report - A3**

HP Color LaserJet Managed MFP E77830dn

Printing device and settings	
Test Start Date and Time	3/22/2017 16:10
Tester	TQW
Machine name/model	HP Color LaserJet Managed MFP E77830dn
Colour or B&W	Colour
FW Version	2403293_005974
Temperature and Humidity	73 degF / 23 degC 20.0 %RH
Voltage	110V
Test End Date and Time	6/13/2017 12:47

Item	Value	
Mode and Setting	Driver Version	6.4.0.22070
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Greyscale
	Duplex B&W Settings	Print in Greyscale
Paper Path	Setting N set count	Application
	Collating function	Activated (application)
	Paper Sending Direction	Default
	Paper Size Setting	Default
Paper	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A3			
Office Category	Test for Color Device	FSOT (seconds)	ESAT (ipm)
Color	Simplex	16.5	16.0
	Duplex	25.5	12.3
B&W	Simplex	23.0	16.0
	Duplex	34.4	12.6

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 + 30sec (# of sets)	1 set + 4min (# of sets)		
Color Mode	Simplex - Adobe Reader	25.13	9.55 (1 set)	13.64 (4 sets)	14.84 (20 sets)	16.08
	Simplex - Word	23.71	10.12 (1 set)	13.99 (4 sets)		16.08
	Simplex - Excel	23.27	10.31 (1 set)	14.07 (4 sets)		16.08
	Simplex - Average	24.1	9.9 (1 set)	13.9 (4 sets)	14.8 (20 sets)	16.0
	Duplex - Adobe Reader	36.25	6.60 (1 set)	8.94 (3 sets)		12.32
	Duplex - Word	33.92	7.06 (1 set)	9.16 (3 sets)		12.34
	Duplex - Excel	33.91	7.06 (1 set)	9.22 (3 sets)		12.34
	Duplex - Average	34.7	6.9 (1 set)	9.1 (3 sets)		12.3
B&W mode (optional for color device)	Simplex - Adobe Reader	23.86	10.05 (1 set)	13.95 (4 sets)	9.39 (20 sets)	16.09
	Simplex - Word	22.73	10.56 (1 set)	14.10 (4 sets)		16.08
	Simplex - Excel	22.23	10.79 (1 set)	14.29 (4 sets)		16.07
	Simplex - Average	23.0	10.4 (1 set)	14.1 (4 sets)	9.3 (20 sets)	16.0
	Duplex - Adobe Reader	40.74	5.88 (1 set)	9.30 (3 sets)		12.66
	Duplex - Word	31.75	7.54 (1 set)	9.64 (3 sets)		12.66
	Duplex - Excel	30.44	7.88 (1 set)	9.72 (3 sets)		12.66
	Duplex - Average	34.4	7.1 (1 set)	9.5 (3 sets)		12.6

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

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 -3770, 3.4 GHz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/100
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

Feature Performance Full Report - Office Feature Performance Test

HP Color LaserJet Managed MFP E77830dn

Printing device and settings		
Test Start Date and Time	3/22/2017 16:10	
Tester	TGW	
Machine name/model	HP Color LaserJet Managed MFP E77830dn	
Colour or B&W	Colour	
FW Version	2403293_005974	
Temperature and Humidity	73 degF / 23 degC 20.0 %RH	
Voltage	110V	
Test End Date and Time	6/13/2017 12:47	

Item	Value	
Mode and Setting	Driver Version	6.4.0.22070
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Greyscale
	Duplex B&W Settings	Print in Greyscale
	Setting N set count	Application
	Collating function	Activated (application)
Paper Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

ISO Print Productivity Report: Feature Performance Test Summary

Printing Modes (Feature Adobe Reader - Office test file)		Feature Performance Ratio	
		A5 and Legal	
		FSOT (base)	ESAT (feature)
		FSOT (feature)	ESAT (base)
A5 Landscape Feed - Colour	Simplex		
A5 Portrait Feed - Colour	Simplex	103%	100%
Legal - Colour	Simplex	74%	63%
Legal - Colour	Duplex	51%	42%
A5 Landscape Feed - B/W	Simplex		
A5 Portrait Feed - B/W	Simplex	102%	100%
Legal - B/W	Simplex	72%	63%
Legal - B/W	Duplex	48%	43%

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			
			A5 and Legal			
	FSOT Base	ESAT Base	1 set FSOT (secs)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
Simplex A5 Landscape Feed - Colour	25.35	30.15				
Simplex A5 Portrait Feed - Colour	25.35	30.15	24.63	30.2	103%	100%
Legal Simplex - Colour	25.35	30.15	34.55	19.2	74%	63%
Legal Duplex - Colour	25.35	30.15	50.57	12.9	51%	42%
Simplex A5 Landscape Feed - B/W	23.19	30.15				
Simplex A5 Portrait Feed - B/W	23.19	30.15	22.75	30.2	102%	100%
Legal Simplex - B/W	23.19	30.15	32.48	19.2	72%	63%
Legal Duplex - B/W	23.19	30.15	49.09	13.3	48%	43%

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 DH18aC5HR ATA
	I/O Subsystem	Built-in
	USB Subsystem	USB 2.0/3.0
I/O	TCP/IP	10/100
Software	Operating System	Windows 7 64 Bit
	Printing Applications	Microsoft Office 2010
	Microsoft Office	Office 2010
	Adobe Reader	10
Test files and location	Office category files, hard drive	

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

**Full Detailed Test Report - LETTER**

HP Color LaserJet Managed MFP E77830dn	
<b>Printing device and settings</b>	
Test Start Date and Time	3/22/2017 16:10
Tester	TQW
Machine name/model	HP Color LaserJet Managed MFP E77830dn
Colour or B&W	Colour
FW Version	2403293_005974
Configuration (options)	Default
Controller	
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Voltage	110V
Test End Date and Time	6/13/2017 12:47

<b>Item</b>		<b>Value</b>
<b>Mode and Setting</b>	PDL and driver version	6.4.0.22070
	Print Quality mode	default
	B&W settings	default
	Paper feed orientation	Short Edge
<b>Paper</b>	Paper type setting	default
	Paper feeding	Standard cassette
<b>Paper Path</b>	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		<b>FPOT from Ready (seconds)</b>
<b>Color</b>	Simplex	10.55
	Duplex	
<b>B&amp;W</b>	Simplex	8.71
	Duplex	

Notes  
 1) All printing device and driver settings w ere default mode.  
 2) For the B/W results, the print driver w as 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 w ere collected after completion of the tests.

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

<b>Detailed Report: LETTER</b>						
		<b>Word (seconds)</b>	<b>Excel (seconds)</b>	<b>Adobe Reader (seconds)</b>	<b>Average (seconds)</b>	<b>Delay Time</b>
<b>Color Mode</b>	FPOT from Ready - Simplex	10.38	10.45	10.81	10.55	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			33.23		76 Minutes
	Recovery Time			22.4		
	FPOT from Off - Simplex			183.27		
	Warm-up Time			172.46		
<b>B&amp;W Mode</b>	FPOT from Ready - Simplex	8.41	8.70	9.01	8.71	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			31.51		76 Minutes
	Recovery Time			22.5		
	FPOT from Off - Simplex			176.39		
	Warm-up Time			167.38		

Notes  
 1) All printing device and driver settings w ere default mode.  
 2) For the B/W results, the print driver w as 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 w ere collected after completion of the tests.  
 6) Details for FPOT from Sleep are show n below.

**HP Data Table**

<b>Detailed Report: LETTER</b>							
		<b>FPOT Avg (secs)</b>	<b>FPOT (secs) Iteration 1</b>	<b>FPOT (secs) Iteration 2</b>	<b>FPOT (secs) Iteration 3</b>	<b>Application</b>	<b>Delay Time</b>
<b>Color Mode</b>	FPOT from Sleep	33.23	33.22	33.23	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	17.31	17.24	17.37	N/A	Adobe Reader	16 Minutes
<b>B&amp;W Mode</b>	FPOT from Sleep	31.51	31.43	31.59	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	16.60	16.37	16.82	N/A	Adobe Reader	16 Minutes

Notes  
 1) All printing device and driver settings w ere default mode.  
 2) For the B/W results, the print driver w as set to "print in B/W".  
 3) DLP includes detailed iterations as data measurements may vary run to run.

<b>Test System Parameters</b>		
<b>Item</b>	<b>Value</b>	
<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 Memory	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
<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	6.4.0.22070

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

**Full Detailed Test Report - A4**

HP Color LaserJet Managed MFP E77830dn	
<b>Printing device and settings</b>	
Test Start Date and Time	3/22/2017 16:10
Tester	TQW
Machine name/model	HP Color LaserJet Managed MFP E77830dn
Colour or B&W	Colour
FW Version	2403293_005974
Configuration (options)	Default
Controller	
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Voltage	110V
Test End Date and Time	6/13/2017 12:47

<b>Item</b>		<b>Value</b>
<b>Mode and Setting</b>	PDL and driver version	6.4.0.22070
	Print Quality mode	default
	B&W settings	default
	Paper feed orientation	Short Edge
<b>Paper</b>	Paper type setting	default
	Paper feeding	Standard cassette
<b>Paper Path</b>	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		
		<b>FPOT from Ready (seconds)</b>
<b>Colour</b>	Simplex	10.45
	Duplex	
<b>B&amp;W</b>	Simplex	8.76
	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**

<b>Detailed Report: A4</b>						
		<b>Word (seconds)</b>	<b>Excel (seconds)</b>	<b>Adobe Reader (seconds)</b>	<b>Average (seconds)</b>	<b>Delay Time</b>
<b>Color Mode</b>	FPOT from Ready - Simplex	10.26	10.26	10.82	10.45	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			34.44		76 Minutes
	Recovery Time			23.6		
	FPOT from Off - Simplex			183.12		
	Warm-up Time			172.30		
<b>B&amp;W Mode</b>	FPOT from Ready - Simplex	8.57	8.75	8.95	8.76	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			31.62		76 Minutes
	Recovery Time			22.7		
	FPOT from Off - Simplex			177.41		
	Warm-up Time			168.46		

- 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**

<b>Detailed Report: A4</b>							
		<b>FPOT Avg (secs)</b>	<b>FPOT (secs) Iteration 1</b>	<b>FPOT (secs) Iteration 2</b>	<b>FPOT (secs) Iteration 3</b>	<b>Application</b>	<b>Delay Time</b>
<b>Color Mode</b>	FPOT from Sleep	34.44	33.58	35.30	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	17.75	17.69	17.81	N/A	Adobe Reader	16 Minutes
<b>B&amp;W Mode</b>	FPOT from Sleep	31.62	31.70	31.53	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	16.69	16.68	16.70	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.

<b>Test System Parameters</b>		
<b>Item</b>	<b>Value</b>	
<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 Memory	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
<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	6.4.0.22070

# ISO/IEC 29183 Copy Productivity Report

## Full Detailed Test Report - LETTER

HP Color LaserJet Managed MFP E77830dn

Machine Setup Information		
Test Start Date and Time	3/22/2017 0:44	
Tester	TQW	
Machine name/model	HP Color LaserJet Managed MFP E77830dn	
Colour or B&W	Colour	
FW Version	2403293_005974	
Configuration (options)	Not Specified	
Temperature and Humidity	73 degF / 23 degC 20.0 %rH	
Test End Date and Time:	6/9/2017 14:26	

	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>	8.3	30.2
<b>B&amp;W</b>	7.4	30.2

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	8.26	7.27	23.90 17 sets	29.01 122 sets	30.15
	B	8.90	7.50			
	C	8.38	7.16			
	D	7.81	7.68			
	Average	8.3	7.3	23.9	29.0	30.2
<b>B&amp;W</b>	A	7.37	8.14	23.47 17 sets	29.09 122 sets	30.15
	B					
	C					
	D					
	Average	7.4	8.1	23.5	29.1	30.2

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 Managed MFP E77830dn

Machine Setup Information		
Test Start Date and Time	3/22/2017 0:44	
Tester	TQW	
Machine name/model	HP Color LaserJet Managed MFP E77830dn	
Colour or B&W	Colour	
FW Version	2403293_005974	
Configuration (options)	Not Specified	
Temperature and Humidity	73 degF / 23 degC 20.0 %rH	
Test End Date and Time:	6/9/2017 14:26	

	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>	8.5	30.2
<b>B&amp;W</b>	7.7	30.2

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	8.48	7.07	23.15 17 sets	28.99 123 sets	30.15
	B					
	C					
	D					
	Average	8.5	7.1	23.2	29.0	30.2
<b>B&amp;W</b>	A	7.68	7.82	24.13 18 sets	29.09 122 sets	30.15
	B					
	C					
	D					
	Average	7.7	7.8	24.1	29.1	30.2

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 24735 Copy Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information	
Test Start Date and Time	6/8/2017 12:55
Tester	TQW
Machine name/model	HP Color LaserJet Managed MFP E77830dn
Colour or B&W	Colour
FW Version	2403293_005974
Configuration (options)	Not Specified
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Test End Date and Time:	6/21/2017 10:16
Pre-set Item	
Pre-set Value	
Output Resolution	Default
Output Quality	Default
Copying Mode	Default
Auto Density Adjustment	Default
Collating function	Activated (if not activated in default mode)
Paper Sending Direction	Default
Paper Type Setting	Default
Paper Feeding	Standard cassette
Paper Exit	Standard exit tray
Face Up Exit	Default
Fixing Capability	Default
Image Quality Stability	Default
Capacity of Paper	Default
Others	Default
Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4

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	18.18	13.20	22.88	29.19	30.14
			( 1 set )	5 sets	32 sets	
	1:2	30.05	7.98	15.48	<del>29.19</del>	21.98
			( 1 set )	4 sets	<del>32 sets</del>	
	2:2	27.67	8.66	17.42	<del>29.19</del>	22.00
			( 1 set )	6 sets	<del>32 sets</del>	
B&W mode	1:1	16.30	14.72	25.04	28.98	30.14
				5 sets	32 sets	
	1:2	27.59	8.68	15.82	<del>28.98</del>	21.86
				4 sets	<del>32 sets</del>	
	2:2	26.12	9.18	17.60	<del>28.98</del>	21.88
				6 sets	<del>32 sets</del>	
Notes						
Reports located: <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a>						

# ISO/IEC 24735 Copy Productivity Report

## Full Detailed Test Report - A4

Machine Setup Information	
Test Start Date and Time	6/8/2017 12:55
Tester	TQW
Machine name/model	HP Color LaserJet Managed MFP E77830dn
Colour or B&W	Colour
FW Version	2403293_005974
Configuration (options)	Not Specified
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Test End Date and Time:	6/21/2017 10:16
Pre-set Item	
Pre-set Value	
Output Resolution	Default
Output Quality	Default
Copying Mode	Default
Auto Density Adjustment	Default
Collating function	Activated (if not activated in default mode)
Paper Sending Direction	Default
Paper Type Setting	Default
Paper Feeding	Standard cassette
Paper Exit	Standard exit tray
Face Up Exit	Default
Fixing Capability	Default
Image Quality Stability	Default
Capacity of Paper	Default
Others	Default
Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / 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	18.03	13.31	24.27	29.08	30.16
			( 1 set )	5 sets	32 sets	
	1:2	29.26	8.18	15.38		22.04
			( 1 set )	4 sets		
	2:2	28.53	8.40	15.84		22.06
			( 1 set )	4 sets		
B&W mode	1:1	15.75	15.23	24.69	29.22	30.14
				5 sets	32 sets	
	1:2	27.78	8.62	15.72		21.94
				4 sets		
	2:2	26.75	8.96	16.28		21.98
				4 sets		
Notes						
Reports located: <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a>						

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information	
Test Start Date and Time	3/26/2017 22:37
Tester	TGW
Machine name/model	HP_Color LaserJet Managed MFP E77830dn
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Voltage	110V
Test End Date and Time	8/14/2017 10:01

Mode and Setting	Preset Item	Preset Value
		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)
ADF	Paper feed direction	default (long edge)
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	84.08
			double sided	170.06
B&W	PDF 1.4	200	single sided	84.10
			double sided	169.85

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	52.84	6.88	12.00
			double sided	56.91	12.75	23.00
B&W	PDF 1.4	200	single sided	66.21	2.28	12.00
			double sided	122.44	4.71	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	38.12	76.56	84.08
			double sided	39.83	152.35	170.06
B&W	PDF 1.4	200	single sided	32.68	76.96	84.1
			double sided	44.65	152.74	169.85

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	21.81	52.84	6.88	12
			double sided	21.80	56.91	12.75	23
B&W	PDF 1.4	200	single sided	19.50	66.21	2.28	12
			double sided	28.33	122.44	4.71	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 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	

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - A4

Machine Setup Information	
Test Start Date and Time	3/26/2017 22:37
Tester	TQW
Machine name/model	HP Color LaserJet Managed MFP E77830dn
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Voltage	110V
Test End Date and Time	8/14/2017 10:01

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
	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	85.89
			double sided	169.71
B&W	PDF 1.4	200	single sided	85.42
			double sided	168.87

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	54.35	5.78	12.00
			double sided	56.53	10.76	23.00
B&W	PDF 1.4	200	single sided	66.97	2.27	12.00
			double sided	118.72	4.24	23.00

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	39.16	78.4	85.89
			double sided	46.53	146.48	169.71
B&W	PDF 1.4	200	single sided	37.06	77.9	85.42
			double sided	43.53	151.14	168.87

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	22.90	54.35	5.78	12
			double sided	24.23	56.53	10.76	23
B&W	PDF 1.4	200	single sided	26.66	66.97	2.27	12
			double sided	28.33	118.72	4.24	23

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	Built-in
	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
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	3/26/2017 22:37
Tester	TQW
Machine name/model	HP Color LaserJet Managed MFP E77830dn
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Voltage	110V
Test End Date and Time	8/14/2017 10:01

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
	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	49.33
			double sided	98.20
B&W	PDF 1.4	200	single sided	49.20
			double sided	97.93

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	30.96	7.23	8.00
			double sided	32.15	13.01	14.00
B&W	PDF 1.4	200	single sided	38.79	2.57	8.00
			double sided	69.28	4.48	14.00

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	28.73	45.27	49.33
			double sided	34.38	88.49	98.2
B&W	PDF 1.4	200	single sided	28.56	44.89	49.2
			double sided	38.71	88.11	97.93

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	15.50	30.96	7.23	8
			double sided	12.95	32.15	13.01	14
B&W	PDF 1.4	200	single sided	20.90	38.79	2.57	8
			double sided	24.00	69.28	4.48	14

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	DC
	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 - A3

Machine Setup Information	
Test Start Date and Time	3/26/2017 22:37
Tester	TQW
Machine name/model	HP Color LaserJet Managed MFP E77830dn
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	73 degF / 23 degC 20.0 %rH
Voltage	110V
Test End Date and Time	8/14/2017 10:01

	Preset Item	Preset Value	
Mode and Setting	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: A3

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	50.48
			double sided	99.37
B&W	PDF 1.4	200	single sided	50.27
			double sided	99.28

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	30.02	6.89	8.00
			double sided	32.63	11.49	14.00
B&W	PDF 1.4	200	single sided	38.05	2.84	8.00
			double sided	69.28	4.48	14.00

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	29.55	46.53	50.48
			double sided	37.67	89.38	99.37
B&W	PDF 1.4	200	single sided	27.05	45.67	50.27
			double sided	37.61	88.46	99.28

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	15.00	30.02	6.89	8
			double sided	16.00	32.63	11.49	14
B&W	PDF 1.4	200	single sided	19.23	38.05	2.84	8
			double sided	22.90	69.28	4.48	14

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	
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	System Board	System devices, default system BIOS	
	System Memory	4 GB	
	Hard Drive Subsystem	Standard disk drive (Seagate)	
	Video Subsystem	AMD Radeon HD 6350	
	Optical Drive	HP DVD A DH16aCSHR ATA	
	I/O Subsystem	Built-in	
	USB Subsystem	USB 2.0/3.0	
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1	
	Scanning Device Connection	Location of network folder	DC
		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		