

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP LaserJet Managed Flow MFP E77830z

Printing device and settings		
Test Start Date and Time	4/12/2017 6:47	
Tester	TQW	
Machine name/model	HP LaserJet Managed Flow MFP E77830z	
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	8/16/2017 13:30	

Item	Value	
Mode and Setting	Driver Version	UPD (6.4.0)
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	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 / HP
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4 / A3
	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	20.0	21.9
B&W	Simplex	14.8	30.1
	Duplex	18.2	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) 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 + 30sec (# of sets)	1 set + 4min (# of sets)		
Color Mode	Simplex - Adobe Reader	16.82	14.28 (1 set)	24.42 (5 sets)	23.22 (32 sets)	30.15
	Simplex - Word	16.21	14.81 (1 set)	24.99 (5 sets)		30.16
	Simplex - Excel	16.35	14.67 (1 set)	24.93 (5 sets)		30.14
	Simplex - Average	16.5	14.5	24.7	23.2	30.1
	Duplex - Adobe Reader	20.71	9.18 (1 set)	16.18 (4 sets)		21.98
	Duplex - Word	19.42	9.66 (1 set)	16.48 (4 sets)		21.98
	Duplex - Excel	19.78	9.50 (1 set)	16.54 (4 sets)		21.98
	Duplex - Average	20.0	9.4	16.4		21.9
	B&W mode (optional for color device)	Simplex - Adobe Reader	15.05	15.95 (1 set)	25.41 (5 sets)	22.95 (32 sets)
Simplex - Word		14.37	16.70 (1 set)	25.85 (5 sets)		30.14
Simplex - Excel		14.72	16.30 (1 set)	25.70 (5 sets)		30.15
Simplex - Average		14.8	16.3	25.6	22.9	30.1
Duplex - Adobe Reader		18.83	9.88 (1 set)	16.82 (4 sets)		21.86
Duplex - Word		18.17	10.16 (1 set)	17.14 (4 sets)		21.86
Duplex - Excel		17.43	10.48 (1 set)	17.06 (4 sets)		21.84
Duplex - Average		18.2	10.1	17.0		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) Port monitor not configured to follow device if the IP address changes.

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

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A4

HP LaserJet Managed Flow MFP E77830z

Printing device and settings	
Test Start Date and Time	4/12/2017 6:47
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
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	8/16/2017 13:30

Item	Value	
Mode and Setting	Driver Version	UPD (6.4.0)
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	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
	Output Orientation	Default (face down)
Paper	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox / HP
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4 / A3
	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	20.1	22.0
B&W	Simplex	14.6	30.1
	Duplex	18.2	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	16.67	14.39 (1 set)	24.61 (5 sets)	28.21 (32 sets)	30.15
	Simplex - Word	16.29	14.73 (1 set)	24.94 (5 sets)		30.13
	Simplex - Excel	16.50	14.55 (1 set)	24.89 (5 sets)		30.14
	Simplex - Average	16.5	14.5	24.8	28.2	30.1
	Duplex - Adobe Reader	20.43	9.26 (1 set)	16.28 (4 sets)		22.04
	Duplex - Word	20.25	9.34 (1 set)	16.54 (4 sets)		22.08
	Duplex - Excel	19.42	9.64 (1 set)	16.44 (4 sets)		22.06
	Duplex - Average	20.1	9.4	16.4		22.0
B&W mode (optional for color device)	Simplex - Adobe Reader	14.68	16.34 (1 set)	25.72 (5 sets)	26.05 (32 sets)	30.14
	Simplex - Word	14.41	16.65 (1 set)	25.72 (5 sets)		30.12
	Simplex - Excel	14.53	16.51 (1 set)	25.92 (5 sets)		30.16
	Simplex - Average	14.6	16.5	25.7	26.0	30.1
	Duplex - Adobe Reader	18.87	9.84 (1 set)	16.86 (4 sets)		21.90
	Duplex - Word	18.15	10.16 (1 set)	17.04 (4 sets)		21.92
	Duplex - Excel	17.48	10.46 (1 set)	17.00 (4 sets)		21.94
	Duplex - Average	18.2	10.1	16.9		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 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 - Tabloid

HP LaserJet Managed Flow MFP E77830z

Printing device and settings	
Test Start Date and Time	4/12/2017 6:47
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
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	8/16/2017 13:30

Item	Value	
Mode and Setting	Driver Version	UPD (6.4.0)
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	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 / HP
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4 / A3
	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	20.0	12.2
B&W	Simplex	22.7	16.0
	Duplex	25.6	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	24.78	9.68 (1 set)	13.70 (4 sets)	15.02 (18 sets)	16.08
	Simplex - Word	23.38	10.26 (1 set)	14.09 (4 sets)		16.08
	Simplex - Excel	23.25	10.32 (1 set)	12.17 (4 sets)		16.08
	Simplex - Average	23.9	10.0 (1 set)	13.3 (4 sets)	15.0	16.0
	Duplex - Adobe Reader	29.75	6.70 (1 set)	8.96 (3 sets)		12.24
	Duplex - Word	28.19	7.02 (1 set)	9.20 (3 sets)		12.24
	Duplex - Excel	27.28	7.20 (1 set)	8.40 (3 sets)		12.24
	Duplex - Average	28.5	6.9 (1 set)	8.8 (3 sets)		12.2
B&W mode (optional for color device)	Simplex - Adobe Reader	23.45	10.23 (1 set)	14.02 (4 sets)	15.63 (28 sets)	16.08
	Simplex - Word	22.26	10.78 (1 set)	14.31 (4 sets)		16.07
	Simplex - Excel	22.25	10.78 (1 set)	14.27 (4 sets)		16.09
	Simplex - Average	22.7	10.5 (1 set)	14.2 (4 sets)	15.6	16.0
	Duplex - Adobe Reader	27.22	7.28 (1 set)	9.14 (3 sets)		12.58
	Duplex - Word	25.03	7.78 (1 set)	9.70 (3 sets)		12.56
	Duplex - Excel	24.48	7.94 (1 set)	9.74 (3 sets)		12.62
	Duplex - Average	25.6	7.6 (1 set)	9.5 (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 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 - A3

HP LaserJet Managed Flow MFP E77830z

Printing device and settings	
Test Start Date and Time	4/12/2017 6:47
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
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	8/16/2017 13:30

Item	Value	
Mode and Setting	Driver Version	UPD (6.4.0)
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	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
	Output Orientation	Default (face down)
Paper	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox / HP
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4 / A3
	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	20.0	12.3
B&W	Simplex	22.8	16.0
	Duplex	28.3	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	24.75	9.69 (1 set)	13.55 (4 sets)	15.03 (18 sets)	16.09
	Simplex - Word	23.98	10.00 (1 set)	13.99 (4 sets)		16.08
	Simplex - Excel	23.30	10.30 (1 set)	14.08 (4 sets)		16.07
	Simplex - Average	24.1	9.9 (1 set)	13.6 (4 sets)	15.0 (18 sets)	16.0
	Duplex - Adobe Reader	36.20	5.68 (1 set)	9.00 (3 sets)		12.32
	Duplex - Word	27.50	7.16 (1 set)	9.24 (3 sets)		12.32
	Duplex - Excel	27.03	7.28 (1 set)	9.26 (3 sets)		12.34
	Duplex - Average	30.3	6.7 (1 set)	9.1 (3 sets)		12.3
B&W mode (optional for color device)	Simplex - Adobe Reader	23.10	10.38 (1 set)	13.45 (4 sets)	15.14 (18 sets)	16.08
	Simplex - Word	22.57	10.63 (1 set)	14.32 (4 sets)		16.08
	Simplex - Excel	22.51	10.65 (1 set)	14.29 (4 sets)		16.07
	Simplex - Average	22.8	10.5 (1 set)	14.0 (4 sets)	15.1 (18 sets)	16.0
	Duplex - Adobe Reader	28.17	7.08 (1 set)	9.40 (3 sets)		12.64
	Duplex - Word	25.05	7.80 (1 set)	9.66 (3 sets)		12.66
	Duplex - Excel	31.45	6.44 (1 set)	8.78 (3 sets)		12.66
	Duplex - Average	28.3	7.1 (1 set)	9.2 (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 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

Feature Performance Full Report - Office Feature Performance Test

HP LaserJet Managed Flow MFP E77830z

Printing device and settings	
Test Start Date and Time	4/12/2017 6:47
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
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	8/16/2017 13:30

Item	Value	
Mode and Setting	Driver Version	UPD (6.4.0)
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	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 / HP
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4 / A3
	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) FSOT (feature)	ESAT (feature) ESAT (base)
A5 Landscape Feed - Colour	Simplex		
A5 Portrait Feed - Colour	Simplex	103%	100%
Legal - Colour	Simplex	75%	63%
Legal - Colour	Duplex	47%	42%
A5 Landscape Feed - B/W	Simplex		
A5 Portrait Feed - B/W	Simplex	102%	100%
Legal - B/W	Simplex	73%	63%
Legal - B/W	Duplex	50%	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) Print 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	A5 and Legal			
			1 set FSOT (secs)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
Simplex A5 Landscape Feed - Colour	25.61	30.15				
Simplex A5 Portrait Feed - Colour	25.61	30.15	25	30.2	103%	100%
Legal Simplex - Colour	25.61	30.15	34.48	19.2	75%	63%
Legal Duplex - Colour	25.61	30.15	54.6	12.9	47%	42%
Simplex A5 Landscape Feed - B/W	23.19	30.15				
Simplex A5 Portrait Feed - B/W	23.19	30.15	22.82	30.2	102%	100%
Legal Simplex - B/W	23.19	30.15	32.02	19.2	73%	63%
Legal Duplex - B/W	23.19	30.15	46.92	13.2	50%	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) Print 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 8350
	Optical Drive	HP DVD A DH16aCSHR 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 LaserJet Managed Flow MFP E77830z	
Printing device and settings	
Test Start Date and Time	4/12/2017 6:47
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
Colour or B&W	Colour
FW Version	2403293_005974
Configuration (options)	Default
Controller	NA
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	8/16/2017 13:30

Item		Value
Mode and Setting	PDL and driver version	UPD (6.4.0)
	Print Quality mode	default
	B&W settings	default
Paper	Paper feed orientation	Short Edge
	Paper type setting	default
Paper Path	Paper feeding	Standard cassette
	Paper exit	Standard exit tray
	Output orientation	default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: Letter		
FPOT from Ready (seconds)		
Color	Simplex	10.47
	Duplex	
B&W	Simplex	8.70
	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

Detailed Report: LETTER						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
Color Mode	FPOT from Ready - Simplex	10.33	10.42	10.66	10.47	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			33.52		76 Minutes
	Recovery Time			22.9		
	FPOT from Off - Simplex			196.87		
	Warm-up Time			186.21		
B&W Mode	FPOT from Ready - Simplex	8.54	8.78	8.77	8.70	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			31.83		76 Minutes
	Recovery Time			23.1		
	FPOT from Off - Simplex			192.52		
	Warm-up Time			183.75		

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

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	33.52	33.28	33.75	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	19.71	19.71	19.70	N/A	Adobe Reader	15 Minutes
B&W Mode	FPOT from Sleep	31.83	31.87	31.78	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	19.58	19.42	19.74	N/A	Adobe Reader	15 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.

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 Memory
	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
Printing Device Connection	TCP/IP	
	10/1000	
Software	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Printing Applications	Microsoft Office 2010 SP2
	Print Driver	Adobe Reader 10.1.4 UPD (6.4.0)

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

Full Detailed Test Report - A4

HP LaserJet Managed Flow MFP E77830z	
Printing device and settings	
Test Start Date and Time	4/12/2017 6:47
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
Colour or B&W	Colour
FW Version	2403293_005974
Configuration (options)	Default
Controller	NA
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	8/16/2017 13:30

Item		Value
Mode and Setting	PDL and driver version	UPD (6.4.0)
	Print Quality mode	default
	B&W settings	default
	Paper feed orientation	Short Edge
Paper	Paper type setting	default
	Paper feeding	Standard cassette
Paper Path	Paper exit	Standard exit tray
	Output orientation	default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: A4		
		FPOT from Ready (seconds)
Colour	Simplex	10.31
	Duplex	
B&W	Simplex	8.66
	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	10.10	10.20	10.63	10.31	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			34.60		76 Minutes
	Recovery Time			24.0		
	FPOT from Off - Simplex			196.58		
	Warm-up Time			185.95		
B&W Mode	FPOT from Ready - Simplex	8.46	8.68	8.83	8.66	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			31.61		76 Minutes
	Recovery Time			22.8		
	FPOT from Off - Simplex			192.62		
	Warm-up Time			183.79		

- 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	34.60	33.54	35.65	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	19.85	19.53	20.16	N/A	Adobe Reader	15 Minutes
B&W Mode	FPOT from Sleep	31.61	31.68	31.53	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	17.89	17.94	17.84	N/A	Adobe Reader	15 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 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
Printing Device Connection	TCP/IP	10/1000
Software	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Printing Applications	Microsoft Office 2010 SP2
	Print Driver	Adobe Reader 10.1.4 UPD (6.4.0)

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP LaserJet Managed Flow MFP E77830z

Machine Setup Information		
Test Start Date and Time	3/26/2017 19:32	
Tester	TQW	
Machine name/model	HP LaserJet Managed Flow MFP E77830z	
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:	6/29/2017 10:54	

	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 / HP
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4 / A3
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Letter		
	sFCOT	sESAT (ipm)
Color	8.3	30.2
B&W	7.2	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: LETTER						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Color	A	8.32	7.21	24.41 17 sets	29.15 122 sets	30.15
	B					
	C					
	D					
	Average	8.3	7.2	24.4	29.2	30.2
B&W	A	7.16	8.37	25.50 19 sets	29.24 122 sets	30.15
	B					
	C					
	D					
	Average	7.2	8.4	25.5	29.2	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 LaserJet Managed Flow MFP E77830z

Machine Setup Information	
Test Start Date and Time	3/26/2017 19:32
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
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:	6/29/2017 10:54

	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 / HP
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4 / A3
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A4		
	sFCOT	sESAT (ipm)
Colour	7.6	30.2
B&W	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: A4						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Colour	A	7.56	7.93	25.12 17 sets	29.23 122 sets	30.15
	B					
	C					
	D					
	Average	7.6	7.9	25.1	29.2	30.2
B&W	A	7.42	8.09	25.22 17 sets	29.28 123 sets	30.15
	B					
	C					
	D					
	Average	7.4	8.1	25.2	29.3	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	8/16/2017 14:02
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
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:	9/7/2017 13:35
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 / HP
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4 / A3

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	18.62	12.89	23.96	28.97	30.15
			(1 set)	5 sets	32 sets	
	1:2	29.64	8.08	15.32	28.97	21.96
			(1 set)	4 sets	32 sets	
	2:2	27.53	8.70	15.86	28.97	22.00
			(1 set)	4 sets	32 sets	
B&W mode	1:1	16.77	14.31	24.62	29.05	30.15
				5 sets	32 sets	
	1:2	28.12	8.52	15.68	29.05	21.86
				4 sets	32 sets	
	2:2	26.39	9.08	16.24	29.05	21.88
				4 sets	32 sets	
Notes						
Reports located: http://www.hp.com/go/printerclaims						

ISO/IEC 24735 Copy Productivity Report

Full Detailed Test Report - A4

Machine Setup Information	
Test Start Date and Time	8/16/2017 14:02
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
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:	9/7/2017 13:35
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 / HP
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4 / A3

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	18.25	13.15	23.68	28.95	30.15
			(1 set)	5 sets	32 sets	
	1:2	30.01	7.98	15.46		22.08
			(1 set)	4 sets		
	2:2	27.65	8.66	15.94		22.08
			(1 set)	4 sets		
B&W mode	1:1	16.66	14.40	24.69	29.04	30.15
				5 sets	32 sets	
	1:2	28.76	8.34	15.78		21.96
				4 sets		
	2:2	26.14	9.18	16.20		21.90
				4 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	7/3/2017 9:57
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
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	9/7/2017 14:39

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	125.55
			double sided	248.59
B&W	PDF 1.4	200	single sided	123.99
			double sided	248.93

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: 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	58.77	10.53	18.00
			double sided	68.60	20.76	36.00
B&W	PDF 1.4	200	single sided	90.66	3.10	17.00
			double sided	123.04	6.06	34.00

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	39.24	112.98	125.55
			double sided	47.42	221.94	248.59
B&W	PDF 1.4	200	single sided	40.09	109.91	123.99
			double sided	43.91	219.12	248.93

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: 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	22.90	58.77	10.53	18
			double sided	22.90	68.60	20.76	36
B&W	PDF 1.4	200	single sided	26.66	90.66	3.10	17
			double sided	25.33	123.04	6.06	34

Notes

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

Test System Parameters		
Item	Value	
System	Computer name	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	System devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aCSHR ATA
	I/O Subsystem	BuiltIn
	USB Subsystem	USB 2.0/3.0
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Scanning Device Connection	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connection Cable	Cat6 Straight cable
	Wireless router	No use
Others	No use	

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - A4

Machine Setup Information	
Test Start Date and Time	7/3/2017 9:57
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
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	9/7/2017 14:39

	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
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	124.58
			double sided	247.25
B&W	PDF 1.4	200	single sided	123.97
			double sided	247.54

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	60.85	9.29	18.00
			double sided	57.33	17.39	32.00
B&W	PDF 1.4	200	single sided	85.61	3.08	18.00
			double sided	93.63	5.53	33.00

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	38.88	111.28	124.58
			double sided	46.01	216.21	247.25
B&W	PDF 1.4	200	single sided	36.61	111.54	123.97
			double sided	43.54	219.82	247.54

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	16.66	60.85	9.29	18
			double sided	22.00	57.33	17.39	32
B&W	PDF 1.4	200	single sided	26.66	85.61	3.08	18
			double sided	25.33	93.63	5.53	33

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	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 - Tabloid

Machine Setup Information	
Test Start Date and Time	7/3/2017 9:57
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
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	9/7/2017 14:39

	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
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	74.28
			double sided	148.91
B&W	PDF 1.4	200	single sided	74.33
			double sided	148.94

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	25.04	11.75	11.00
			double sided	28.61	21.02	20.00
B&W	PDF 1.4	200	single sided	33.31	3.83	11.00
			double sided	47.62	6.79	21.00

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	33.17	66.74	74.28
			double sided	40.80	133.27	148.91
B&W	PDF 1.4	200	single sided	0.00	66.59	74.33
			double sided	42.70	128.5	148.94

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	12.31	25.04	11.75	11
			double sided	13.81	28.61	21.02	20
B&W	PDF 1.4	200	single sided	0.00	33.31	3.83	11
			double sided	21.23	47.62	6.79	21

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 DH16aCASHR 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	

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - A3

Machine Setup Information	
Test Start Date and Time	7/3/2017 9:57
Tester	TQW
Machine name/model	HP LaserJet Managed Flow MFP E77830z
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	9/7/2017 14:39

	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	76.49
			double sided	152.67
B&W	PDF 1.4	200	single sided	76.36
			double sided	152.74

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: 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	42.92	9.49	11.00
			double sided	36.18	20.69	21.00
B&W	PDF 1.4	200	single sided	57.39	3.53	11.00
			double sided	49.08	7.00	22.00

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	33.10	68.27	76.49
			double sided	45.49	135.59	152.67
B&W	PDF 1.4	200	single sided	33.75	68.9	76.36
			double sided	43.36	136.9	152.74

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: 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	14.44	42.92	9.49	11
			double sided	17.14	36.18	20.69	21
B&W	PDF 1.4	200	single sided	21.81	57.39	3.53	11
			double sided	18.46	49.08	7.00	22

Notes

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