

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP PageWide Managed Color Flow E7760z+

Printing device and settings

Test Start Date and Time	10/8/2018 9:42
Tester	RM
Machine name/model	HP PageWide Managed Color Flow E7760z+
Colour or B&W	Color
FW Version	2408318 000008
Temperature and Humidity	72 degF / 22 degC 24.1 %H
Voltage	110V
Test End Date and Time	11/28/2018 13:02

Item	Value
Mode and Setting	Driver Version 6.6.5.23510
	Media/Quality Setting Default / Default
	Simplex B&W Settings print in grayscale black only
	Duplex B&W Settings print in grayscale black only
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 208 / 75 gsm
	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	14.34	60.30
	Duplex	25.42	41.25
B&W	Simplex	15.57	60.54
	Duplex	26.01	41.58

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

Detailed Report: LETTER

	Office Category Test	FSOT (secs)		EFTP (ipm)		ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	
Color Mode	Simplex - Adobe Reader	14.30	16.79 (1 set)	44.20 (9 sets)	57.57 (62 sets)	60.29
	Simplex - Word	14.34	16.74 (1 set)	45.37 (9 sets)		60.33
	Simplex - Excel	14.36	16.71 (1 set)	45.58 (9 sets)		60.29
	Simplex - Average	14.34	16.74	45.05	57.57	60.30
	Duplex - Adobe Reader	27.10	8.84 (1 set)	27.80 (7 sets)		41.58
	Duplex - Word	24.32	9.86 (1 set)	28.06 (7 sets)		41.60
	Duplex - Excel	24.84	9.86 (1 set)	27.52 (7 sets)		40.58
	Duplex - Average	25.42	9.45	27.79		41.25
	Simplex - Adobe Reader	18.11	13.25 (1 set)	44.92 (9 sets)	57.39 (62 sets)	60.53
	Simplex - Word	13.91	17.28 (1 set)	46.27 (9 sets)		60.59
B&W mode (optional for color device)	Simplex - Excel	14.68	18.35 (1 set)	45.66 (9 sets)		60.50
	Simplex - Average	15.57	15.62	45.61	57.4	60.54
	Duplex - Adobe Reader	25.69	9.36 (1 set)	27.78 (7 sets)		41.58
	Duplex - Word	26.59	9.02 (1 set)	27.78 (7 sets)		41.58
	Duplex - Excel	25.73	9.32 (1 set)	28.12 (7 sets)		41.58
	Duplex - Average	26.01	9.23	27.89		41.58

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	Builtin
USB Subsystem	USB 2.0/3.0
TCPIP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Print Driver	Office 2010
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A4

HP PageWide Managed Color Flow E7760z+

Printing device and settings

Test Start Date and Time	10/8/2018 9:42
Tester	RM
Machine name/model	HP PageWide Managed Color Flow E7760z+
Colour or B&W	Color
FW Version	2408318 000008
Temperature and Humidity	72 degF / 22 degC 24.1 %H
Voltage	110V
Test End Date and Time	11/28/2018 13:02

Item	Value
Driver Version	6.6.5.23510
Media/Quality Setting	Default / Default
Simplex B&W Settings	print in grayscale black only
Duplex B&W Settings	print in grayscale black only
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	208 / 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	14.59	60.97
Duplex	25.84	41.58
B&W	14.32	61.06
Duplex	26.01	41.59

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) 1 set only (1 set)	1 set only (1 set)	EFTP (ipm) 1 set + 30sec (# of sets)	1 set + 4min (# of sets)	ESAT (ipm) 1 set + 30sec
Colour Mode	Simplex - Adobe Reader	15.17	15.82 (1 set)	45.13 (9 sets)	57.72 (62 sets)	60.94
	Simplex - Word	14.81	16.21 (1 set)	45.99 (9 sets)		60.99
	Simplex - Excel	13.77	17.43 (1 set)	46.10 (9 sets)		60.99
	Simplex - Average	14.59	16.48	45.74	57.72	60.97
	Duplex - Adobe Reader	24.59	9.74 (1 set)	28.92 (8 sets)		41.58
	Duplex - Word	26.21	9.16 (1 set)	28.30 (7 sets)		41.58
	Duplex - Excel	26.71	8.98 (1 set)	28.38 (7 sets)		41.58
	Duplex - Average	25.5	9.29	26.53		41.58
	Simplex - Adobe Reader	14.94	16.06 (1 set)	45.02 (9 sets)	58.11 (63 sets)	61.10
B&W mode (optional for color device)	Simplex - Word	13.69	17.52 (1 set)	46.56 (9 sets)		61.06
	Simplex - Excel	14.31	16.78 (1 set)	46.28 (9 sets)		61.04
	Simplex - Average	14.3	16.78	45.95	58.1	61.06
	Duplex - Adobe Reader	26.50	9.04 (1 set)	28.32 (7 sets)		41.60
	Duplex - Word	25.96	9.24 (1 set)	28.30 (7 sets)		41.58
	Duplex - Excel	25.57	9.38 (1 set)	28.14 (7 sets)		41.60
	Duplex - Average	26.0	9.22	28.25		41.59

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	Builtin
USB Subsystem	USB 2.0/3.0
TCPIP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Print Driver	Office 2010
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - Tabloid

HP PageWide Managed Color Flow E7760z+

Printing device and settings

Test Start Date and Time	10/8/2018 9:42
Tester	RM
Machine name/model	HP PageWide Managed Color Flow E7760z+
Colour or B&W	Color
FW Version	2408318 000008
Temperature and Humidity	72 degF / 22 degC 24.1 %H
Voltage	110V
Test End Date and Time	11/28/2018 13:02

Item	Value
Mode and Setting	Driver Version 6.6.5.23510
	Media/Quality Setting Default / Default
	Simplex B&W Settings print in grayscale black only
	Duplex B&W Settings print in grayscale black only
	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 208 / 75 gsm
	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	14.34	31.18
	Duplex	25.42	15.85
B&W	Simplex	18.90	31.18
	Duplex	26.45	15.86

Notes:

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

Detailed Report: Tabloid

	Office Category Test	FSOT (secs)	EFTP (ipm)				ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	1 set + 30sec	
Color Mode	Simplex - Adobe Reader	18.98	12.64 (1 set)	23.18 (5 sets)	29.55 (33 sets)		31.19
	Simplex - Word	18.92	12.68 (1 set)	24.07 (5 sets)			31.19
	Simplex - Excel	19.14	12.55 (1 set)	24.57 (5 sets)			31.18
	Simplex - Average	19.02	12.62	23.94	29.55		31.18
	Duplex - Adobe Reader	28.91	8.30 (1 set)	12.26 (3 sets)			15.86
	Duplex - Word	27.07	8.86 (1 set)	12.50 (3 sets)			15.86
	Duplex - Excel	26.12	9.18 (1 set)	12.46 (3 sets)			15.84
	Duplex - Average	27.37	8.78	12.40			15.85
	Simplex - Adobe Reader	19.42	12.37 (1 set)	23.63 (5 sets)	29.65 (33 sets)		31.19
	Simplex - Word	19.28	12.47 (1 set)	23.93 (5 sets)			31.18
B&W mode (optional for color device)	Simplex - Excel	18.00	13.34 (1 set)	23.78 (5 sets)			31.19
	Simplex - Average	18.90	12.72	23.78	29.65		31.18
	Duplex - Adobe Reader	27.43	8.74 (1 set)	12.42 (3 sets)			15.88
	Duplex - Word	25.71	9.32 (1 set)	12.60 (3 sets)			15.88
	Duplex - Excel	26.19	9.16 (1 set)	12.62 (3 sets)			15.84
	Duplex - Average	26.45	9.07	12.54			15.86

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
IO Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCPIP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Print Driver	Office 2010
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A3

HP PageWide Managed Color Flow E7760z+

Printing device and settings

Test Start Date and Time	10/8/2018 9:42
Tester	RM
Machine name/model	HP PageWide Managed Color Flow E7760z+
Colour or B&W	Color
FW Version	2408318 000008
Temperature and Humidity	72 degF / 22 degC 24.1 %H
Voltage	110V
Test End Date and Time	11/28/2018 13:02

Item	Value
Mode and Setting	Driver Version 6.6.5.23510
	Media/Quality Setting Default / Default
	Simplex B&W Settings print in grayscale black only
	Duplex B&W Settings print in grayscale black only
	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 208 / 75 gsm
	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	14.34	26.80
	Duplex	25.42	15.96
B&W	Simplex	18.81	31.18
	Duplex	26.64	15.96

Notes:

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

Detailed Report: A3

	Office Category Test	FSOT (secs)	EFTP (ipm)				ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	1 set + 30sec	
Color Mode	Simplex - Adobe Reader	21.66	11.07 (1 set)	20.92 (5 sets)	29.58 (33 sets)		26.81
	Simplex - Word	19.69	12.19 (1 set)	21.53 (5 sets)			26.72
	Simplex - Excel	20.59	11.65 (1 set)	21.37 (5 sets)			26.88
	Simplex - Average	20.65	11.63	21.27	29.58	26.80	
	Duplex - Adobe Reader	26.98	8.88 (1 set)	12.50 (3 sets)			15.96
	Duplex - Word	26.30	9.12 (1 set)	12.74 (3 sets)			15.98
	Duplex - Excel	26.03	9.22 (1 set)	12.42 (3 sets)			15.96
	Duplex - Average	26.44	9.07	12.55		15.96	
	Simplex - Adobe Reader	19.19	12.52 (1 set)	23.23 (5 sets)	29.86 (37 sets)		31.19
	Simplex - Word	18.53	12.97 (1 set)	24.09 (5 sets)			31.18
B&W mode (optional for color device)	Simplex - Excel	18.71	12.86 (1 set)	24.29 (5 sets)			31.19
	Simplex - Average	18.81	12.78	23.87	29.86	31.18	
	Duplex - Adobe Reader	27.82	8.62 (1 set)	12.58 (3 sets)			15.96
	Duplex - Word	25.66	9.34 (1 set)	12.26 (3 sets)			15.98
	Duplex - Excel	26.42	9.08 (1 set)	13.38 (4 sets)			15.96
	Duplex - Average	26.64	9.01	12.74		15.96	

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
IO Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCPIP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Print Driver	Office 2010
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 PageWide Managed Color Flow E77660z+

Printing device and settings

Test Start Date and Time	10/8/2018 9:42
Tester	RM
Machine name/model	HP PageWide Managed Color Flow E77660z+
Colour or B&W	Colour
PW Version	2406318 000008
Temperature and Humidity	72 degF / 22 degC 24.1 %rH
Voltage	110V
Test End Date and Time	11/28/2018 13:02

Item	Value
Mode and Setting	Driver Version 6.6.5.23510
	Media/Quality Setting Default / Default
	Simplex B&W Settings print in grayscale black only
	Duplex B&W Settings print in grayscale black only
	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

ISO Print Productivity Report: Feature Performance Test Summary

Printing Modes (Feature Adobe Reader - Office test file)		Feature Performance Ratio	
		FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	Simplex	93%	99%
A5, Portrait Feed, Simplex, Colour	Simplex		
Legal, Simplex, Colour	Simplex	79%	61%
Legal, Duplex, Colour	Duplex	52%	47%
A4, 1200 dpi, Simplex, Colour	Simplex		
Letter, 1200 dpi, Simplex, Colour	Simplex		
A4, HP High Speed, Simplex, Colour	Simplex		
Letter, HP High Speed, Simplex, Colour	Simplex		
A4, General Office, Simplex, Colour	Simplex	59%	132%
Letter, General Office, Simplex, Colour	Simplex	79%	134%
A5, Landscape Feed, Simplex, B/W	Simplex	88%	99%
A5, Portrait Feed, Simplex, B/W	Simplex		
Legal, Simplex, B/W	Simplex	86%	61%
Legal, Duplex, B/W	Duplex	60%	48%
A4, 1200 dpi, Simplex, B/W	Simplex		
Letter, 1200 dpi, Simplex, B/W	Simplex		
A4, HP High Speed, Simplex, B/W	Simplex		
Letter, HP High Speed, Simplex, B/W	Simplex		
A4, General Office, Simplex, B/W	Simplex	84%	134%
Letter, General Office, Simplex, B/W	Simplex	68%	133%

Notes

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

Feature Performance Full Report - Feature Printing Mode: 'Office' Feature Performance Test

Printing Modes Feature Adobe Reader - Office test file (8-page)	Base Printing Mode		Feature Performance			
	FSOT Base	ESAT Base	1 set FSOT (secs)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	19	60.98	20.52	60.6	93%	99%
A5, Portrait Feed, Simplex, Colour	19	60.98				
Legal, Simplex, Colour	19.75	60.62	25.23	37.2	79%	61%
Legal, Duplex, Colour	19.75	60.62	38.06	28.6	52%	47%
A4, 1200 dpi, Simplex, Colour	19	60.98				
Letter, 1200 dpi, Simplex, Colour	19.75	60.62				
A4, HP High Speed, Simplex, Colour	19	60.98				
Letter, HP High Speed, Simplex, Colour	19.75	60.62				
A4, General Office, Simplex, Colour	19	60.98	32.56	80.6	59%	132%
Letter, General Office, Simplex, Colour	19.75	60.62	25.16	61.8	79%	134%
A5, Landscape Feed, Simplex, B/W	19.19	61.03	21.88	60.5	88%	99%
A5, Portrait Feed, Simplex, B/W	19.19	61.03				
Legal, Simplex, B/W	21	60.61	24.43	37.1	86%	61%
Legal, Duplex, B/W	21	60.61	35.32	29.1	60%	48%
A4, 1200 dpi, Simplex, B/W	19.19	61.03				
Letter, 1200 dpi, Simplex, B/W	21	60.61				
A4, HP High Speed, Simplex, B/W	19.19	61.03				
Letter, HP High Speed, Simplex, B/W	21	60.61				
A4, General Office, Simplex, B/W	19.19	61.03	22.91	82.3	84%	134%
Letter, General Office, Simplex, B/W	21	60.61	31.34	80.8	68%	133%

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 8350
	Optical Drive HP DVD A DH16aCSHR ATA
	IO Subsystem Built-in
	USB Subsystem USB 2.0/3.0
IO	TCPIP TCP/IP 10/100
Software	Operating System Windows 7 64 Bit
	Printing Applications Microsoft Office 2010
	Print Driver Office 2010
	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 PageWide Managed Color Flow E77660z+

Printing device and settings	
Test Start Date and Time	10/2/2018 17:44
Tester	RM
Machine name/model	HP PageWide Managed Color Flow E77660z+
Colour or B&W	Colour
FW Version	2406318 000008
Configuration (options)	Default
Controller	unknown
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	72 degF / 22 degC 24.1 %rH
Voltage	110V
Test End Date and Time	11/29/2018 13:18

Item	Value
Mode and Setting	PDL and driver version
	6.6.5.23510
	Print Quality mode
	default
Paper	B&W settings
	default
	Paper feed orientation
	Short Edge
Paper Path	Paper type setting
	default
	Paper feeding
Paper Path	Standard cassette
	Paper exit
Paper Path	Standard exit tray
	default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: Letter		FPOT from Ready (seconds)
Color	Simplex	10.58
	Duplex	
B&W	Simplex	10.39
	Duplex	
Notes		
1) All printing device and driver settings were default mode.		
2) For the B&W results, the print driver was set to "print in B/W".		
3) For more information see http://www.hp.com/go/printerclaims .		
4) Port monitor not configured to follow device if the IP address changes.		
5) Page counts were collected after completion of the tests.		

ISO First Page Out Time Report: Office Category						
Detailed Report: LETTER						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
Color Mode	FPOT from Ready - Simplex	10.47	11.01	10.25	10.58	49 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			38.60		83 Minutes
	Recovery Time			28.3		
	FPOT from Off - Simplex			186.18		
	Warm-up Time			175.93		
B&W Mode	FPOT from Ready - Simplex	10.26	10.49	10.42	10.39	49 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			38.01		83 Minutes
	Recovery Time			27.6		
	FPOT from Off - Simplex			193.60		
	Warm-up Time			183.18		
Notes						
1) All printing device and driver settings were default mode.						
2) For the B&W results, the print driver was set to "print in B/W".						
3) For more information see http://www.hp.com/go/printerclaims .						
4) Port monitor not configured to follow device if the IP address changes.						
5) Page counts were collected after completion of the tests.						
6) Details for FPOT from Sleep are shown below.						

HP Data Table						
Detailed Report: LETTER						
		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application
Color Mode	FPOT from Sleep	38.60	38.59	38.60	N/A	Adobe Reader
	FPOT from Sleep (15 minutes) HP/Non ISO Test	25.44	25.04	25.84	N/A	Adobe Reader
	FPOT from Ready, HP High Speed HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader
B&W Mode	FPOT from Sleep	38.01	37.69	38.32	N/A	Adobe Reader
	FPOT from Sleep (15 minutes) HP/Non ISO Test	27.52	27.09	27.94	N/A	Adobe Reader

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
Printing Device Connection	Hard Drive Subsystem
	Standard disk drive (Seagate)
	Video Subsystem
	AMD Radeon HD 6350
	Optical Drive
	HP DVD A DH16aCSHR ATA
Software	I/O Subsystem
	Builtin
Software	USB Subsystem
	USB 2.0/3.0
	TCP/IP
	10/1000
Software	Operating System
	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Printing Applications
	Microsoft Office 2010 SP2
Software	Adobe Reader 10.1.4
	Print Driver
	6.6.5.23510

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

Full Detailed Test Report - A4

HP PageWide Managed Color Flow E77660z+

Printing device and settings	
Test Start Date and Time	10/2/2018 17:44
Tester	RM
Machine name/model	HP PageWide Managed Color Flow E77660z+
Colour or B&W	Colour
FW Version	2406318_000008
Configuration (options)	Default
Controller	unknown
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	72 degF / 22 degC 24.1 %rH
Voltage	110V
Test End Date and Time	11/29/2018 13:18

Item	Value
Mode and Setting	PDL and driver version
	6.6.5.23510
	Print Quality mode
	default
Paper	B&W settings
	default
	Paper feed orientation
	Short Edge
Paper Path	Paper type setting
	default
	Paper feeding
	Standard cassette
	Paper exit
	Standard exit tray
	Output orientation
	default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: A4

		FPOT from Ready (seconds)
Colour	Simplex	10.53
	Duplex	
B&W	Simplex	10.46
	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	10.05	10.68	10.84	10.53	49 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			38.08		83 Minutes
	Recovery Time			27.2		
	FPOT from Off - Simplex			187.98		
	Warm-up Time			177.14		
B&W Mode	FPOT from Ready - Simplex	9.84	9.99	11.53	10.46	49 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			39.54		83 Minutes
	Recovery Time			28.0		
	FPOT from Off - Simplex			193.97		
	Warm-up Time			182.44		
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	38.08	40.51	35.65	N/A	Adobe Reader	83 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	28.68	29.41	27.95	N/A	Adobe Reader	15 Minutes
	FPOT from Ready, HP High Speed HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	N/A
B&W Mode	FPOT from Sleep	39.54	39.72	39.35	N/A	Adobe Reader	83 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	27.57	28.02	27.11	N/A	Adobe Reader	15 Minutes

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
Printing Device Connection	Hard Drive Subsystem
	Standard disk drive (Seagate)
	Video Subsystem
	AMD Radeon HD 6350
	Optical Drive
Software	HP DVD A DH16aCSHR ATA
	I/O Subsystem
	Built-in
Software	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
Software	Adobe Reader 10.1.4
	Print Driver
	6.6.5.23510

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP PageWide Managed Color Flow E77660z+

Machine Setup Information

	Test Start Date and Time	10/31/2018 13:47
	Tester	RM
	Machine name/model	HP PageWide Managed Color Flow E77660z+
	Colour or B&W	Colour
	FW Version	2406318 000008
	Configuration (options)	Not Specified
	Temperature and Humidity	72 degF / 22 degC 24.1 %rH
	Test End Date and Time:	11/29/2018 7:19

	Pre-set Item	Pre-set Value
Mode	Output Resolution	Default
	Output Quality	Default
	Copying Mode	Colour for Colour and B&W for B&W
	Auto Density Adjustment	Default
	Collating function	Set in Control Panel
Paper	Paper Sending Direction	Default
	Paper Type Setting	Default
Paper Path	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
Temporary Stop	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None

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

Summary Report: Letter

	sFCOT	sESAT (ipm)
Color	11.60	60.95
B&W	9.52	61.11

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	11.60	5.17	40.32 32 sets	57.87 246 sets	60.95
	B					
	C					
	D					
	Average	11.60	5.17	40.32	57.87	60.95
B&W	A	9.52	6.30	44.13 33 sets	58.10 257 sets	61.11
	B					
	C					
	D					
	Average	9.52	6.30	44.13	58.10	61.11

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 PageWide Managed Color Flow E77660z+

Machine Setup Information

	Test Start Date and Time	10/31/2018 13:47
	Tester	RM
	Machine name/model	HP PageWide Managed Color Flow E77660z+
	Colour or B&W	Colour
	FW Version	2406318 000008
	Configuration (options)	Not Specified
	Temperature and Humidity	72 degF / 22 degC 24.1 %rH
	Test End Date and Time:	11/29/2018 7:19

	Pre-set Item	Pre-set Value
Mode	Output Resolution	Default
	Output Quality	Default
	Copying Mode	Colour for Colour and B&W for B&W
	Auto Density Adjustment	Default
	Collating function	Set in Control Panel
Paper	Paper Sending Direction	Default
	Paper Type Setting	Default
Paper Path	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
Temporary Stop	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None

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

Summary Report: A4

	sFCOT	sESAT (ipm)
Colour	10.88	61.24
B&W	9.38	61.25

Notes

First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.
Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

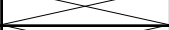
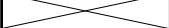
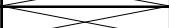
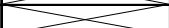
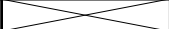
Detailed Report: A4

	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Colour	A	10.88	5.52	43.78 34 sets	58.21 262 sets	61.24
	B					
	C					
	D					
	Average	10.88	5.52	43.78	58.21	61.24
B&W	A	9.38	6.39	44.19 34 sets	58.33 265 sets	61.25
	B					
	C					
	D					
	Average	9.38	6.39	44.19	58.33	61.25

Notes

First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.
Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

Full Detailed Test Report - LETTER

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: LETTER						
	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Color Mode	1:1	14.84	16.17	43.78	57.72	60.90
			(1 set)	9 sets	62 sets	
	1:2	29.59	8.12	26.18		40.76
			(1 set)	7 sets		
	2:2	27.78	8.64	25.72		40.92
			(1 set)	7 sets		
B&W mode	1:1	15.38	15.61	44.66	57.93	60.97
				9 sets	62 sets	
	1:2	27.80	8.62	27.12		40.92
				7 sets		
	2:2	28.23	8.48	26.92		40.92
				7 sets		

Notes
 Reports located: <http://www.hp.com/go/printerclaims>

Full Detailed Test Report - A4

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: A4						
	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Colour Mode	1:1	14.80	16.21	44.36	57.75	60.99
			(1 set)	9 sets	63 sets	
	1:2	29.88	8.02	25.96		40.40
			(1 set)	7 sets		
	2:2	28.97	8.26	26.66		41.50
			(1 set)	7 sets		
B&W mode	1:1	15.61	15.38	44.03	58.08	61.12
				9 sets	63 sets	
	1:2	27.82	8.62	27.64		41.44
				7 sets		
	2:2	26.00	9.22	27.30		41.46
				7 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	11/9/2018 7:30
	Tester	RM
	Machine name/model	HP PageWide Managed Color Flow E77660z+
	Colour or B&W	Colour
	Configuration (options)	Default
	Temperature and Humidity	72 degF / 22 degC 24.1 %rH
	Voltage	110V
	Test End Date and Time	11/13/2018 12:51

	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: Letter

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	129.05
			double sided	254.60
B&W	PDF 1.4	200	single sided	128.34
			double sided	253.42

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	88.16	5.74	18.00
			double sided	122.62	12.34	35.00
B&W	PDF 1.4	200	single sided	98.18	2.97	18.00
			double sided	160.01	5.42	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: 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	45.84	118.12	129.05
			double sided	54.72	231.15	254.6
B&W	PDF 1.4	200	single sided	46.46	117.77	128.34
			double sided	54.79	224.3	253.42

Notes

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

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: Letter

	Scanning Mode			Measurement result			
	File format version	Resolution	Scanning side	scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.4	200	single sided	28.33	88.16	5.74	18
			double sided	32.14	122.62	12.34	35
B&W	PDF 1.4	200	single sided	34.28	98.18	2.97	18
			double sided	32.14	160.01	5.42	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
Scanning Device Connection	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	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	11/9/2018 7:30
	Tester	RM
	Machine name/model	HP PageWide Managed Color Flow E77660z+
	Colour or B&W	Colour
	Configuration (options)	Default
	Temperature and Humidity	72 degF / 22 degC 24.1 %rH
	Voltage	110V
	Test End Date and Time	11/13/2018 12:51

Mode and Setting	Preset Item	Preset Value
	Scanning resolution	default (200 dpi)
	Colour or grey scale/B&W	default (colour)
	Duplex / simplex	default (simplex)
	Original page size	default (A4)
	Paper feed orientation	default (long edge)
	Scan destination	default (shared network)
	Storing File Type	default (PDF-multi)
	Auto scan quality adjustment	default (factory preset default setting)
	Paper feed direction	default (long edge)
ADF Paper-path	Output orientation	default
	Scanning unit	default (duplex ADF)

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	128.63
			double sided	262.67
B&W	PDF 1.4	200	single sided	126.89
			double sided	261.55

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
2) For the BW 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	90.00	5.37	18.00
			double sided	129.55	10.61	34.00
B&W	PDF 1.4	200	single sided	97.14	2.65	17.00
			double sided	164.86	5.30	34.00

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
2) For the BW 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	46.37	118.18	128.63
			double sided	53.86	236.63	262.67
B&W	PDF 1.4	200	single sided	46.87	115.64	126.89
			double sided	52.24	236.48	261.55

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
2) For the BW 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	27.00	90.00	5.37	18
			double sided	32.14	129.55	10.61	34
B&W	PDF 1.4	200	single sided	30.47	97.14	2.65	17
			double sided	30.00	164.86	5.30	34

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
2) For the BW 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
Scanning Device Connection	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connection Cable	Cat6 Straight cable
	Wireless router	No use
	Others	No use

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - Tabloid

Machine Setup Information		
	Test Start Date and Time	11/9/2018 7:30
	Tester	RM
	Machine name/model	HP PageWide Managed Color Flow E77660z+
	Colour or B&W	Colour
	Configuration (options)	Default
	Temperature and Humidity	72 degF / 22 degC 24.1 %RH
	Voltage	110V
	Test End Date and Time	11/13/2018 12:51

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: Tabloid

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	70.67
			double sided	140.22
B&W	PDF 1.4	200	single sided	70.85
			double sided	140.27

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	48.01	6.11	10.00
			double sided	72.96	12.39	19.00
B&W	PDF 1.4	200	single sided	53.93	3.22	10.00
			double sided	91.23	5.84	19.00

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	36.47	63.85	70.67
			double sided	47.01	126.8	140.22
B&W	PDF 1.4	200	single sided	35.10	64.85	70.85
			double sided	46.24	124.59	140.27

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	25.33	48.01	6.11	10
			double sided	25.33	72.96	12.39	19
B&W	PDF 1.4	200	single sided	24.00	53.93	3.22	10
			double sided	27.00	91.23	5.84	19

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
Scanning Device Connection	Operating System	Windows 7 Business/Ultimate, 64 bit_Build 7601, SP 1
	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 - A3

Machine Setup Information		
	Test Start Date and Time	11/9/2018 7:30
	Tester	RM
	Machine name/model	HP PageWide Managed Color Flow E77660z+
	Colour or B&W	Colour
	Configuration (options)	Default
	Temperature and Humidity	72 degF / 22 degC 24.1 %rH
	Voltage	110V
	Test End Date and Time	11/13/2018 12:51

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)
	Paper feed direction	default (long edge)
ADF Paper-path	Output orientation	default
	Scanning unit	default (duplex ADF)

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: A3

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	71.02
			double sided	145.45
B&W	PDF 1.4	200	single sided	70.80
			double sided	144.93

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: 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	48.01	6.65	11.00
			double sided	76.79	12.01	20.00
B&W	PDF 1.4	200	single sided	53.33	3.19	10.00
			double sided	94.10	6.00	20.00

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	35.85	64.55	71.02
			double sided	47.24	131.77	145.45
B&W	PDF 1.4	200	single sided	35.85	64.75	70.8
			double sided	37.93	130.84	144.93

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: 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	24.23	48.01	6.65	11
			double sided	25.33	76.79	12.01	20
B&W	PDF 1.4	200	single sided	25.33	53.33	3.19	10
			double sided	25.33	94.10	6.00	20

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
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	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
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