

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP PageWide Managed Color MFP E77660z Series

Printing device and settings	
Test Start Date and Time	10/12/2017 15:51
Tester	AW
Machine name/model	HP PageWide Managed Color MFP E77660z Series
Colour or B&W	Colour
FW Version	2405087_018548
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	9/19/2018 10:41

Item	Value	
Mode and Setting	Driver Version	6.5.0.22695
	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
	Output Orientation	Default (face down)
Paper	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Letter			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	11.11	61.02
	Duplex	21.32	41.63
B&W	Simplex	10.79	60.95
	Duplex	21.19	41.60

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	11.44	20.97 ( 1 set )	49.63 ( 10 sets )	56.28 ( 63 sets )	60.88
	Simplex - Word	10.84	22.16 ( 1 set )	51.38 ( 10 sets )		61.07
	Simplex - Excel	11.03	21.76 ( 1 set )	50.67 ( 10 sets )		61.11
	Simplex - Average	11.11	21.63 ( 1 set )	50.56 ( 10 sets )	56.28 ( 63 sets )	61.02
	Duplex - Adobe Reader	21.69	11.06 ( 1 set )	30.70 ( 7 sets )		41.66
	Duplex - Word	21.32	11.26 ( 1 set )	31.08 ( 7 sets )		41.64
	Duplex - Excel	20.94	11.44 ( 1 set )	31.28 ( 7 sets )		41.60
	Duplex - Average	21.32	11.25 ( 1 set )	31.02 ( 7 sets )		41.63
B&W mode <small>(optional for color device)</small>	Simplex - Adobe Reader	11.38	21.09 ( 1 set )	49.66 ( 9 sets )	57.40 ( 63 sets )	60.77
	Simplex - Word	10.41	23.06 ( 1 set )	51.15 ( 9 sets )		61.05
	Simplex - Excel	10.57	22.70 ( 1 set )	50.31 ( 9 sets )		61.03
	Simplex - Average	10.79	22.28 ( 1 set )	50.37 ( 9 sets )	57.4 ( 63 sets )	60.95
	Duplex - Adobe Reader	21.39	11.20 ( 1 set )	30.80 ( 7 sets )		41.58
	Duplex - Word	21.12	11.36 ( 1 set )	31.32 ( 7 sets )		41.62
	Duplex - Excel	21.05	11.40 ( 1 set )	31.26 ( 7 sets )		41.62
	Duplex - Average	21.19	11.32 ( 1 set )	31.12 ( 7 sets )		41.60

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	TCPIP/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 PageWide Managed Color MFP E77660z Series

Printing device and settings	
Test Start Date and Time	10/12/2017 15:51
Tester	AW
Machine name/model	HP PageWide Managed Color MFP E77660z Series
Colour or B&W	Colour
FW Version	2405087_018548
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	9/19/2018 10:41

Item	Value	
Mode and Setting	Driver Version	6.5.0.22695
	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
	Output Orientation	Default (face down)
Paper	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A4			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Colour	Simplex	11.09	61.05
	Duplex	21.56	41.60
B&W	Simplex	10.95	61.15
	Duplex	21.08	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: A4						
	Office Category Test	FSOT (secs)		EFTP (ipm)		ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	
Colour Mode	Simplex - Adobe Reader	11.90	20.19 ( 1 set )	48.57 ( 9 sets )	58.54 ( 63 sets )	61.03
	Simplex - Word	10.65	22.54 ( 1 set )	50.31 ( 9 sets )		60.96
	Simplex - Excel	10.71	22.40 ( 1 set )	49.22 ( 9 sets )		61.17
	Simplex - Average	11.09	21.71	49.36	58.54	61.05
	Duplex - Adobe Reader	21.94	10.94 ( 1 set )	30.70 ( 7 sets )		41.62
	Duplex - Word	21.51	11.14 ( 1 set )	30.92 ( 7 sets )		41.58
	Duplex - Excel	21.23	11.30 ( 1 set )	31.14 ( 7 sets )		41.60
	Duplex - Average	21.6	11.12	30.92		41.60
B&W mode (optional for color device)	Simplex - Adobe Reader	11.25	21.33 ( 1 set )	49.43 ( 9 sets )	58.86 ( 63 sets )	61.03
	Simplex - Word	10.80	22.22 ( 1 set )	50.88 ( 9 sets )		61.22
	Simplex - Excel	10.78	22.27 ( 1 set )	50.65 ( 9 sets )		61.20
	Simplex - Average	11.0	21.94	50.32	58.9	61.15
	Duplex - Adobe Reader	21.50	11.16 ( 1 set )	30.98 ( 7 sets )		41.60
	Duplex - Word	21.14	11.34 ( 1 set )	31.24 ( 7 sets )		41.58
	Duplex - Excel	20.60	11.64 ( 1 set )	31.22 ( 7 sets )		41.58
	Duplex - Average	21.1	11.38	31.14		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
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 PageWide Managed Color MFP E77660z Series

Printing device and settings	
Test Start Date and Time	10/12/2017 15:51
Tester	AW
Machine name/model	HP PageWide Managed Color MFP E77660z Series
Colour or B&W	Colour
FW Version	2405087_018548
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	9/19/2018 10:41

Item	Value	
Mode and Setting	Driver Version	6.5.0.22695
	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
	Output Orientation	Default (face down)
Paper	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Tabloid

Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	11.11	31.15
	Duplex	21.32	15.92
B&W	Simplex	15.92	31.17
	Duplex	23.87	15.92

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)	
Color Mode	Simplex - Adobe Reader	17.14	14.00 (1 set)	23.96 (5 sets)	29.42 (33 sets)	31.15
	Simplex - Word	15.50	15.48 (1 set)	25.80 (5 sets)		31.15
	Simplex - Excel	15.54	15.44 (1 set)	25.86 (5 sets)		31.15
	Simplex - Average	16.06	14.97 (1 set)	25.20 (5 sets)	29.42 (33 sets)	31.15
	Duplex - Adobe Reader	25.69	9.34 (1 set)	12.84 (3 sets)		15.90
	Duplex - Word	24.28	9.88 (1 set)	13.24 (3 sets)		15.94
	Duplex - Excel	23.84	10.06 (1 set)	13.18 (3 sets)		15.92
	Duplex - Average	24.61	9.76 (1 set)	13.08 (3 sets)		15.92
B&W mode (optional for color device)	Simplex - Adobe Reader	16.82	14.27 (1 set)	24.41 (5 sets)	29.32 (33 sets)	31.16
	Simplex - Word	15.64	15.35 (1 set)	25.85 (5 sets)		31.18
	Simplex - Excel	15.28	15.70 (1 set)	25.92 (5 sets)		31.18
	Simplex - Average	15.92	15.10 (1 set)	25.39 (5 sets)	29.32 (33 sets)	31.17
	Duplex - Adobe Reader	24.50	9.78 (1 set)	13.08 (3 sets)		15.92
	Duplex - Word	23.67	10.12 (1 set)	13.86 (4 sets)		15.92
	Duplex - Excel	23.42	10.24 (1 set)	13.38 (3 sets)		15.92
	Duplex - Average	23.87	10.04 (1 set)	13.44 (3 sets)		15.92

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	Buillim
USB Subsystem	USB 2.0/3.0
TCPIP	TCPIP/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 PageWide Managed Color MFP E77660z Series

Printing device and settings	
Test Start Date and Time	10/12/2017 15:51
Tester	AW
Machine name/model	HP PageWide Managed Color MFP E77660z Series
Colour or B&W	Colour
FW Version	2405087_018548
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	9/19/2018 10:41

Item	Value	
Mode and Setting	Driver Version	6.5.0.22695
	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
	Output Orientation	Default (face down)
Paper	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A3			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	11.11	31.18
	Duplex	21.32	16.04
B&W	Simplex	15.80	31.17
	Duplex	23.83	16.04

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)
Color Mode	Simplex - Adobe Reader	17.25	13.91 ( 1 set )	24.36 ( 5 sets )	29.83 ( 33 sets )	31.17
	Simplex - Word	15.53	15.45 ( 1 set )	25.74 ( 5 sets )		31.18
	Simplex - Excel	15.49	15.49 ( 1 set )	25.54 ( 5 sets )		31.19
	Simplex - Average	16.09	14.95 ( 1 set )	25.21 ( 5 sets )	29.83	31.18
	Duplex - Adobe Reader	24.92	9.62 ( 1 set )	13.62 ( 4 sets )		16.04
	Duplex - Word	24.01	9.98 ( 1 set )	13.88 ( 4 sets )		16.04
	Duplex - Excel	23.67	10.12 ( 1 set )	13.84 ( 4 sets )		16.04
	Duplex - Average	24.20	9.90 ( 1 set )	13.78 ( 4 sets )		16.04
B&W mode (optional for color device)	Simplex - Adobe Reader	16.37	14.67 ( 1 set )	24.60 ( 5 sets )	29.46 ( 33 sets )	31.18
	Simplex - Word	15.47	15.51 ( 1 set )	25.97 ( 5 sets )		31.17
	Simplex - Excel	15.55	15.44 ( 1 set )	25.83 ( 5 sets )		31.18
	Simplex - Average	15.80	15.20 ( 1 set )	25.46 ( 5 sets )	29.46	31.17
	Duplex - Adobe Reader	24.44	9.82 ( 1 set )	13.70 ( 4 sets )		16.04
	Duplex - Word	23.67	10.12 ( 1 set )	13.94 ( 4 sets )		16.04
	Duplex - Excel	23.36	10.26 ( 1 set )	13.92 ( 4 sets )		16.04
	Duplex - Average	23.83	10.06 ( 1 set )	13.85 ( 4 sets )		16.04

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	Buillim
USB Subsystem	USB 2.0/3.0
TCPIP	TCPIP 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 PageWide Managed Color MFP E77660z Series

Printing device and settings		
Test Start Date and Time	10/12/2017 15:51	
Tester	AW	
Machine name/model	HP PageWide Managed Color MFP E77660z Series	
Colour or B&W	Colour	
FW Version	2405087_018548	
Temperature and Humidity	75 degF / 24 degC 24.2 %rH	
Voltage	110V	
Test End Date and Time	9/19/2018 10:41	

Item	Value	
Mode and Setting	Driver Version	6.5.0.22695
	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
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

ISO Print Productivity Report: Feature Performance Test Summary

Printing Modes (Feature Adobe Reader - Office test file)		Feature Performance Ratio	
		FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	Simplex	108%	100%
A5, Portrait Feed, Simplex, Colour	Simplex		
Legal, Simplex, Colour	Simplex	145%	62%
Legal, Duplex, Colour	Duplex	103%	44%
A4, 1200 dpi, Simplex, Colour	Simplex		
Letter, 1200 dpi, Simplex, Colour	Simplex		
A4, General Office, Simplex, Colour	Simplex	129%	121%
Letter, General Office, Simplex, Colour	Simplex	139%	134%
A5, Landscape Feed, Simplex, B/W	Simplex	108%	100%
A5, Portrait Feed, Simplex, B/W	Simplex		
Legal, Simplex, B/W	Simplex	87%	61%
Legal, Duplex, B/W	Duplex	61%	44%
A4, 1200 dpi, Simplex, B/W	Simplex		
Letter, 1200 dpi, Simplex, B/W	Simplex		
A4, General Office, Simplex, B/W	Simplex	133%	129%
Letter, General Office, Simplex, B/W	Simplex	78%	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://w.w.w.hp.com/go/printerclaims>.  
 4) Port monitor not configured to follow device if the IP address changes.

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

Printing Modes Feature Adobe Reader - Office test file (8-page)	Base Printing Mode		Feature Performance			
	FSOT Base	ESAT Base	1 set FSOT (secs)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	15.89	61.08	14.76	61.2	108%	100%
A5, Portrait Feed, Simplex, Colour	15.89	61.08				
Legal, Simplex, Colour	30.09	60.06	20.84	37.5	145%	62%
Legal, Duplex, Colour	30.09	60.06	29.34	27.0	103%	44%
A4, 1200 dpi, Simplex, Colour	15.89	61.08				
Letter, 1200 dpi, Simplex, Colour	30.09	60.06				
A4, General Office, Simplex, Colour	15.89	61.08	12.4	74.0	129%	121%
Letter, General Office, Simplex, Colour	30.09	60.06	21.73	81.0	139%	134%
A5, Landscape Feed, Simplex, B/W	15.82	61.08	14.69	61.1	108%	100%
A5, Portrait Feed, Simplex, B/W	15.82	61.08				
Legal, Simplex, B/W	17.44	60.99	20.23	37.5	87%	61%
Legal, Duplex, B/W	17.44	60.99	28.97	27.1	61%	44%
A4, 1200 dpi, Simplex, B/W	15.82	61.08				
Letter, 1200 dpi, Simplex, B/W	17.44	60.99				
A4, General Office, Simplex, B/W	15.82	61.08	11.96	79.1	133%	129%
Letter, General Office, Simplex, B/W	17.44	60.99	22.46	81.2	78%	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://w.w.w.hp.com/go/printerclaims>.  
 4) Port monitor not configured to follow device if the IP address changes.

Test System Parameters

Item	Value	
Test System	Computer	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	system devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aC5HR ATA
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
I/O	TCP/IP	TCP/IP 10/1000
Software	Operating System	Windows 7 64 Bit
	Printing Applications	Microsoft Office 2010
	Microsoft Office	Office 2010
	Adobe Reader	10
Test files and location	Office category files, hard drive	

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

**Full Detailed Test Report - LETTER**

HP PageWide Managed Color MFP E77660z Series

Printing device and settings	
Test Start Date and Time	10/12/2017 15:51
Tester	AW
Machine name/model	HP PageWide Managed Color MFP E77660z Series
Colour or B&W	Colour
FW Version	2405087_018548
Configuration (options)	Default
Controller	unknown
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	9/19/2018 10:41

Item	Value
<b>Mode and Setting</b>	
PDL and driver version	6.5.0.22695
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
<b>Paper</b>	
Paper type setting	default
Paper feeding	Standard cassette
Paper exit	Standard exit tray
<b>Paper Path</b>	
Output orientation	default (face up or face down)

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

Summary Report: Letter		FPOT from Ready (seconds)
Color	Simplex	6.56
	Duplex	
B&W	Simplex	6.43
	Duplex	

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

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

Detailed Report: LETTER						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
Color Mode	FPOT from Ready - Simplex	6.26	6.43	6.98	6.56	48 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			25.13		76 Minutes
	Recovery Time			18.1		
	FPOT from Off - Simplex			198.14		
	Warm-up Time			191.16		
B&W Mode	FPOT from Ready - Simplex	6.17	6.45	6.66	6.43	48 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			23.92		76 Minutes
	Recovery Time			17.3		
	FPOT from Off - Simplex			198.97		
	Warm-up Time			192.31		

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

HP Data Table							
Detailed Report: LETTER							
		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application	Delay Time
Color Mode	FPOT from Sleep	25.13	25.08	25.17	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes)	20.31	20.38	20.24	N/A	Adobe Reader	15 Minutes
	HP/Non ISO Test						
B&W Mode	FPOT from Sleep	23.92	24.06	23.78	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes)	19.76	19.82	19.70	N/A	Adobe Reader	15 Minutes
	HP/Non ISO Test						

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

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

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

**Full Detailed Test Report - A4**

HP PageWide Managed Color MFP E77660z Series

Printing device and settings	
Test Start Date and Time	10/12/2017 15:51
Tester	AW
Machine name/model	HP PageWide Managed Color MFP E77660z Series
Colour or B&W	Colour
FW Version	2405087_018548
Configuration (options)	Default
Controller	unknown
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	9/19/2018 10:41

Item	Value
<b>Mode and Setting</b>	
PDL and driver version	6.5.0.22695
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
<b>Paper</b>	
Paper type setting	default
Paper feeding	Standard cassette
Paper exit	Standard exit tray
<b>Paper Path</b>	
Output orientation	default (face up or face down)

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

Summary Report: A4		FPOT from Ready (seconds)
<b>Colour</b>	Simplex	6.71
	Duplex	
<b>B&amp;W</b>	Simplex	6.41
	Duplex	

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

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

Detailed Report: A4						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
<b>Color Mode</b>	FPOT from Ready - Simplex	6.33	6.61	7.18	6.71	48 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			24.54		76 Minutes
	Recovery Time			17.4		
	FPOT from Off - Simplex			193.95		
	Warm-up Time			186.77		
<b>B&amp;W Mode</b>	FPOT from Ready - Simplex	6.21	6.33	6.67	6.41	48 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			24.81		76 Minutes
	Recovery Time			18.1		
	FPOT from Off - Simplex			197.06		
	Warm-up Time			190.40		

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

**HP Data Table**

Detailed Report: A4							
		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application	Delay Time
<b>Color Mode</b>	FPOT from Sleep	24.54	24.45	24.63	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes)	19.19	18.94	19.44	N/A	Adobe Reader	15 Minutes
	HP/Non ISO Test						
<b>B&amp;W Mode</b>	FPOT from Sleep	24.81	24.37	25.24	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes)	19.43	19.52	19.33	N/A	Adobe Reader	15 Minutes
	HP/Non ISO Test						

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

Test System Parameters		
Item	Value	
<b>Test System</b>	Computer	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	system devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aC5HR ATA
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
<b>Printing Device Connection</b>	TCP/IP	10/1000
<b>Software</b>	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Printing Applications	Microsoft Office 2010 SP2 Adobe Reader 10.1.4
	Print Driver	6.5.0.22695

# ISO/IEC 29183 Copy Productivity Report

## Full Detailed Test Report - LETTER

HP PageWide Managed Color MFP E77660z Series

Machine Setup Information	
Test Start Date and Time	10/20/2017 17:43
Tester	AW
Machine name/model	HP PageWide Managed Color MFP E77660z Series
Colour or B&W	Colour
FW Version	2405087_018548
Configuration (options)	Not Specified
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Test End Date and Time:	10/23/2017 14:27

	Pre-set Item	Pre-set Value
<b>Mode</b>	Output Resolution	Default
	Output Quality	Default
	Copying Mode	Colour for Colour and B&W for B&W
	Auto Density Adjustment	Default
	Collating function	Set in Control Panel
<b>Paper</b>	Paper Sending Direction	Default
	Paper Type Setting	Default
<b>Paper Path</b>	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
<b>Temporary Stop</b>	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None
<b>Paper</b>	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: <b>Letter</b>		
	sFCOT	sESAT (ipm)
<b>Color</b>	8.44	61.02
<b>B&amp;W</b>	8.32	61.08

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

Detailed Report: <b>LETTER</b>						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
<b>Color</b>	A	8.44	7.12	45.23 33 sets	58.29 254 sets	61.02
	B					
	C					
	D					
	Average	8.44	7.12	45.23	58.29	61.02
<b>B&amp;W</b>	A	8.32	7.21	47.11 33 sets	57.47 257 sets	61.08
	B					
	C					
	D					
	Average	8.32	7.21	47.11	57.47	61.08

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 MFP E77660z Series

Machine Setup Information	
Test Start Date and Time	10/20/2017 17:43
Tester	AW
Machine name/model	HP PageWide Managed Color MFP E77660z Series
Colour or B&W	Colour
FW Version	2405087_018548
Configuration (options)	Not Specified
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Test End Date and Time:	10/23/2017 14:27

	Pre-set Item	Pre-set Value
<b>Mode</b>	Output Resolution	Default
	Output Quality	Default
	Copying Mode	Colour for Colour and B&W for B&W
	Auto Density Adjustment	Default
	Collating function	Set in Control Panel
<b>Paper</b>	Paper Sending Direction	Default
	Paper Type Setting	Default
<b>Paper Path</b>	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
<b>Temporary Stop</b>	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None
<b>Paper</b>	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A4		
	sFCOT	sESAT (ipm)
<b>Colour</b>	8.96	61.30
<b>B&amp;W</b>	8.20	61.12

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

Detailed Report: A4						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
<b>Colour</b>	A	8.96	6.69	46.04 32 sets	57.69 249 sets	61.30
	B					
	C					
	D					
	Average	8.96	6.69	46.04	57.69	61.30
<b>B&amp;W</b>	A	8.20	7.32	47.03 34 sets	57.65 260 sets	61.12
	B					
	C					
	D					
	Average	8.20	7.32	47.03	57.65	61.12

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





ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information	
Test Start Date and Time	10/30/2017 12:42
Tester	AW
Machine name/model	ERROR
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	11/1/2017 12:29

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

	File format version	Resolution	Scanning Mode		Measurement result
			Scanning side	scESAT 30secA (ipm)	
Colour	pdf 1.4	200	single sided	134.40	
			double sided	266.79	
B&W	pdf 1.4	200	single sided	133.72	
			double sided	266.66	

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

	File format version	Resolution	Scanning Mode		Measurement result		
			Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)	
Colour	pdf 1.4	200	single sided	83.95	8.47	18.00	
			double sided	112.75	16.43	35.00	
B&W	pdf 1.4	200	single sided	99.32	3.48	18.00	
			double sided	163.11	6.56	35.00	

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

	File format version	Resolution	Scanning Mode		Measurement result		
			Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)	
Colour	pdf 1.4	200	single sided	45.79	122.7	134.4	
			double sided	56.53	241.06	266.79	
B&W	pdf 1.4	200	single sided	47.27	122.01	133.72	
			double sided	53.51	234.46	266.66	

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

	File format version	Resolution	Scanning Mode		Measurement result			
			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	83.95	8.47	18	
			double sided	30.00	112.75	16.43	35	
B&W	pdf 1.4	200	single sided	30.00	99.32	3.48	18	
			double sided	30.00	163.11	6.56	35	

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
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	10/30/2017 12:42
Tester	AW
Machine name/model	ERROR
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	11/1/2017 12:29

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: A4

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	pdf 1.4	200	single sided	137.42
			double sided	275.36
B&W	pdf 1.4	200	single sided	136.85
			double sided	274.50

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	86.86	8.06	19.00
			double sided	117.54	14.78	36.00
B&W	pdf 1.4	200	single sided	100.23	3.64	19.00
			double sided	166.14	6.45	36.00

Notes

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

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

Summary Report: A4

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	pdf 1.4	200	single sided	47.71	125.12	137.42
			double sided	51.73	246.28	275.36
B&W	pdf 1.4	200	single sided	45.78	123.9	136.85
			double sided	53.89	246.61	274.5

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	32.14	86.86	8.06	19
			double sided	26.66	117.54	14.78	36
B&W	pdf 1.4	200	single sided	26.66	100.23	3.64	19
			double sided	30.00	166.14	6.45	36

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 - Tabloid

Machine Setup Information	
Test Start Date and Time	10/30/2017 12:42
Tester	AW
Machine name/model	ERROR
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	11/1/2017 12:29

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: Tabloid

	Scanning Mode		Measurement result	
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	pdf 1.4	200	single sided	73.21
			double sided	146.47
B&W	pdf 1.4	200	single sided	72.80
			double sided	145.89

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	44.37	10.08	11.00
			double sided	68.08	16.26	20.00
B&W	pdf 1.4	200	single sided	52.81	4.15	11.00
			double sided	93.20	6.71	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: 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	34.19	66.04	73.21
			double sided	44.15	131.55	146.47
B&W	pdf 1.4	200	single sided	32.44	66.44	72.8
			double sided	45.12	130.44	145.89

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	20.90	44.37	10.08	11
			double sided	22.90	68.08	16.26	20
B&W	pdf 1.4	200	single sided	22.90	52.81	4.15	11
			double sided	26.66	93.20	6.71	20

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
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	10/30/2017 12:42	
Tester	AW	
Machine name/model	ERROR	
Colour or B&W	Colour	
Configuration (options)	Default	
Temperature and Humidity	75 degF / 24 degC 24.2 %rH	
Voltage	110V	
Test End Date and Time	11/1/2017 12:29	

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

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

Summary Report: A3

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	pdf 1.4	200	single sided	73.21
			double sided	146.19
B&W	pdf 1.4	200	single sided	72.74
			double sided	145.89

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	45.51	9.92	11.00
			double sided	68.58	16.08	20.00
B&W	pdf 1.4	200	single sided	53.87	4.15	11.00
			double sided	93.20	6.71	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	35.28	66.69	73.21
			double sided	43.78	132.11	146.19
B&W	pdf 1.4	200	single sided	36.67	66.38	72.74
			double sided	45.35	131.53	145.89

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	21.81	45.51	9.92	11
			double sided	22.90	68.58	16.08	20
B&W	pdf 1.4	200	single sided	25.33	53.87	4.15	11
			double sided	26.66	93.20	6.71	20

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