

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP PageWide Color Flow E77660z+

Printing device and settings	
Test Start Date and Time	10/9/2018 13:45
Tester	RM
Machine name/model	HP PageWide Color Flow E77660z+
Colour or B&W	Colour
FW Version	2406318_000008
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	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
	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	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 ( 1 set )	45.05 ( 9 sets )	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	9.66 ( 1 set )	27.52 ( 7 sets )		40.58
	Duplex - Average	25.42	9.45 ( 1 set )	27.79 ( 7 sets )		41.25
B&W mode <small>(optional for color device)</small>	Simplex - Adobe Reader	18.11	13.25 ( 1 set )	44.92 ( 9 sets )	57.39 ( 62 sets )	60.53
	Simplex - Word	13.91	17.26 ( 1 set )	46.27 ( 9 sets )		60.59
	Simplex - Excel	14.68	16.35 ( 1 set )	45.66 ( 9 sets )		60.50
	Simplex - Average	15.57	15.62 ( 1 set )	45.61 ( 9 sets )	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 ( 1 set )	27.89 ( 7 sets )		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 - A4

HP PageWide Color Flow E77660z+

Printing device and settings	
Test Start Date and Time	10/9/2018 13:45
Tester	RM
Machine name/model	HP PageWide Color Flow E77660z+
Colour or B&W	Colour
FW Version	2406318_000008
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	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 Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
Duplexing Unit (Yes/No)	Yes	
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A4

Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Colour	Simplex	14.59	60.97
	Duplex	25.84	41.58
B&W	Simplex	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)	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	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 (1 set)	45.74 (9 sets)	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	25.8	9.29 (1 set)	28.53 (7 sets)		41.58
B&W mode (optional for color device)	Simplex - Adobe Reader	14.94	16.06 (1 set)	45.02 (9 sets)	58.11 (63 sets)	61.10
	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 (1 set)	45.95 (9 sets)	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 (1 set)	28.25 (7 sets)		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	Builton
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 Color Flow E77660z+

Printing device and settings	
Test Start Date and Time	10/9/2018 13:45
Tester	RM
Machine name/model	HP PageWide Color Flow E77660z+
Colour or B&W	Colour
FW Version	2406318_000008
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	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
	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	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)	
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
B&W mode (optional for color device)	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
	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
I/O Subsystem	Buillim
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A3

HP PageWide Color Flow E7760z+

Printing device and settings	
Test Start Date and Time	10/9/2018 13:45
Tester	RM
Machine name/model	HP PageWide Color Flow E7760z+
Colour or B&W	Colour
FW Version	2406318_000008
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	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
	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	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)	
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 (1 set)	21.27 (5 sets)	29.58 (33 sets)	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 (1 set)	12.55 (3 sets)		15.96
B&W mode (optional for color device)	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
	Simplex - Excel	18.71	12.86 (1 set)	24.29 (5 sets)		31.19
	Simplex - Average	18.81	12.78 (1 set)	23.87 (5 sets)	29.86 (37 sets)	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 (1 set)	12.74 (3 sets)		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
I/O Subsystem	Buillim
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

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

Feature Performance Full Report - Office Feature Performance Test

HP PageWide Color Flow E77660z+

Printing device and settings		
Test Start Date and Time	10/9/2018 13:45	
Tester	RM	
Machine name/model	HP PageWide Color Flow E77660z+	
Colour or B&W	Colour	
FW Version	2406318_000008	
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	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 Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

**ISO Print Productivity Report: Feature Performance Test Summary**

Printing Modes (Feature Adobe Reader - Office test file)		Feature Performance Ratio	
		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, 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, 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://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	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, General Office, Simplex, Colour	19	60.98	32.56	80.6	59%	132%
Letter, General Office, Simplex, Colour	19.75	60.62	25.16	81.8	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, 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://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 Color Flow E77660z+

Printing device and settings	
Test Start Date and Time	10/9/2018 13:45
Tester	RM
Machine name/model	HP PageWide 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
<b>Mode and Setting</b>	
PDL and driver version	6.6.5.23510
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
<b>Paper</b>	
Paper type setting	default
Paper feeding	Standard cassette
Paper exit	Standard exit tray
<b>Paper Path</b>	
Output orientation	default (face up or face down)

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

Summary Report: Letter		FPOT from Ready (seconds)
Color	Simplex	10.58
	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	Delay Time
Color Mode	FPOT from Sleep	38.60	38.59	38.60	N/A	Adobe Reader	83 Minutes
	FPOT from Sleep (15 minutes)	25.44	25.04	25.84	N/A	Adobe Reader	15 Minutes
	HP/Non ISO Test						
B&W Mode	FPOT from Sleep	38.01	37.69	38.32	N/A	Adobe Reader	83 Minutes
	FPOT from Sleep (15 minutes)	27.52	27.09	27.94	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 Memory
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aC5HR ATA
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
Printing Device Connection	TCP/IP	
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 Color Flow E77660z+

Printing device and settings	
Test Start Date and Time	10/9/2018 13:45
Tester	RM
Machine name/model	HP PageWide 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
<b>Mode and Setting</b>	
PDL and driver version	6.6.5.23510
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
<b>Paper</b>	
Paper type setting	default
Paper feeding	Standard cassette
Paper exit	Standard exit tray
<b>Paper Path</b>	
Output orientation	default (face up or face down)

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

Summary Report: A4

		FPOT from Ready (seconds)
<b>Colour</b>	Simplex	10.53
	Duplex	
<b>B&amp;W</b>	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
<b>Color Mode</b>	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>B&amp;W Mode</b>	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
<b>Color Mode</b>	FPOT from Sleep	38.08	40.51	35.65	N/A	Adobe Reader	83 Minutes
	FPOT from Sleep (15 minutes)	28.68	29.41	27.95	N/A	Adobe Reader	15 Minutes
	HP/Non ISO Test						
<b>B&amp;W Mode</b>	FPOT from Sleep	39.54	39.72	39.35	N/A	Adobe Reader	83 Minutes
	FPOT from Sleep (15 minutes)	27.57	28.02	27.11	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	6.6.5.23510

# ISO/IEC 29183 Copy Productivity Report

## Full Detailed Test Report - LETTER

HP PageWide Color Flow E77660z+

Machine Setup Information	
Test Start Date and Time	10/31/2018 14:25
Tester	RM
Machine name/model	HP PageWide 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 6:51

	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>	11.60	60.95
<b>B&amp;W</b>	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: <b>LETTER</b>						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
<b>Color</b>	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>B&amp;W</b>	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 Color Flow E77660z+

Machine Setup Information	
Test Start Date and Time	10/31/2018 14:25
Tester	RM
Machine name/model	HP PageWide 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 6:51

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

Summary Report: A4		
	sFCOT	sESAT (ipm)
<b>Colour</b>	10.88	61.24
<b>B&amp;W</b>	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	
<b>Colour</b>	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>B&amp;W</b>	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

# ISO/IEC 24735 Copy Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information	
Test Start Date and Time	11/6/2018 14:22
Tester	RM
Machine name/model	HP PageWide 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:	11/20/2018 14:12
Pre-set Item	
Pre-set Value	
Output Resolution	Default
Output Quality	Default
Copying Mode	Default
Auto Density Adjustment	Default
Collating function	Activated (if not activated in default mode)
Paper Sending Direction	Default
Paper Type Setting	Default
Paper Feeding	Standard cassette
Paper Exit	Standard exit tray
Face Up Exit	Default
Fixing Capability	Default
Image Quality Stability	Default
Capacity of Paper	Default
Others	Default
Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: LETTER						
	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Color Mode	1:1	14.84	16.17	43.78	57.72	60.90
			( 1 set )	9 sets	62 sets	
	1:2	29.59	8.12	26.18	<del>57.72</del>	40.76
			( 1 set )	7 sets	<del>62 sets</del>	
	2:2	27.78	8.64	25.72	<del>57.72</del>	40.92
			( 1 set )	7 sets	<del>62 sets</del>	
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	<del>57.93</del>	40.92
				7 sets	<del>62 sets</del>	
	2:2	28.23	8.48	26.92	<del>57.93</del>	40.92
				7 sets	<del>62 sets</del>	
Notes						
Reports located: <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a>						

# ISO/IEC 24735 Copy Productivity Report

## Full Detailed Test Report - A4

Machine Setup Information	
Test Start Date and Time	11/6/2018 14:22
Tester	RM
Machine name/model	HP PageWide 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:	11/20/2018 14:12
Pre-set Item	
Pre-set Value	
Output Resolution	Default
Output Quality	Default
Copying Mode	Default
Auto Density Adjustment	Default
Collating function	Activated (if not activated in default mode)
Paper Sending Direction	Default
Paper Type Setting	Default
Paper Feeding	Standard cassette
Paper Exit	Standard exit tray
Face Up Exit	Default
Fixing Capability	Default
Image Quality Stability	Default
Capacity of Paper	Default
Others	Default
Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: A4						
	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
<b>Colour Mode</b>	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>B&amp;W mode</b>	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: <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a>						

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information	
Test Start Date and Time	11/9/2018 7:30
Tester	RM
Machine name/model	HP_PageWide 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)	
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

	File format version	Resolution	Scanning Mode	Measurement result
			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

	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	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

	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	45.84	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

	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	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	BuiltIn
	USB Subsystem	USB 2.0/3.0
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Scanning Device Connection	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connction Cable	Cat6 Straight cable
	Wireless router	No use
Others	No use	

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - A4

Machine Setup Information	
Test Start Date and Time	11/9/2018 7:30
Tester	RM
Machine name/model	HP PageWide 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
	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	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 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	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 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	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 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	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 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	11/9/2018 7:30
Tester	RM
Machine name/model	HP_PageWide 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)	
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	BuiltIn
	USB Subsystem	USB 2.0/3.0
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Scanning Device Connection	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connction Cable	Cat6 Straight cable
	Wireless router	No use
Others	No use	

**ISO/IEC 17991 Scanning Productivity Report**

**Full Detailed Test Report - A3**

Machine Setup Information	
Test Start Date and Time	11/9/2018 7:30
Tester	RM
Machine name/model	HP PageWide 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
	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: 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>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

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