

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP PageWide Managed Color Flow E77650z+

Printing device and settings	
Test Start Date and Time	11/30/2018 3:57
Tester	RM
Machine name/model	HP PageWide Managed Color Flow E77650z+
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	12/19/2018 13:33

Item	Value
Driver Version	6.6.5.23510
Media/Quality Setting	Default / Default
Simplex B&W Settings	print in grayscale black only
Duplex B&W Settings	print in grayscale black only
Setting N set count	Application
Collating function	Activated (application)
Paper Sending Direction	Default
Paper Size Setting	Default
Paper Feeding	Tray 2
Paper Exit	Standard Exit Tray
Output Orientation	Default (face down)
Duplexing Unit (Yes/No)	Yes
Paper Manufacturer	HP / Xerox
Paper Weight	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	17.22	51.04
	Duplex	29.40	35.92
B&W	Simplex	15.87	50.89
	Duplex	28.80	35.92

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://w.w.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	17.29	13.87 (1 set)	38.34 (8 sets)	48.35 (53 sets)	50.97
	Simplex - Word	14.70	16.32 (1 set)	39.78 (8 sets)		51.17
	Simplex - Excel	19.67	12.20 (1 set)	39.20 (8 sets)		50.98
	Simplex - Average	17.22	14.13 (1 set)	39.10 (8 sets)	48.35	51.04
	Duplex - Adobe Reader	32.47	7.38 (1 set)	23.04 (6 sets)		35.92
	Duplex - Word	24.30	9.86 (1 set)	24.46 (6 sets)		35.92
	Duplex - Excel	31.41	7.62 (1 set)	24.76 (6 sets)		35.94
	Duplex - Average	29.40	8.28 (1 set)	24.08 (6 sets)		35.92
B&W mode (optional for color device)	Simplex - Adobe Reader	16.53	14.51 (1 set)	37.61 (8 sets)	47.77 (53 sets)	50.49
	Simplex - Word	14.72	16.31 (1 set)	35.64 (8 sets)		51.14
	Simplex - Excel	16.35	14.70 (1 set)	39.83 (8 sets)		51.05
	Simplex - Average	15.87	15.17 (1 set)	37.69 (8 sets)	47.8	50.89
	Duplex - Adobe Reader	32.84	7.30 (1 set)	23.62 (6 sets)		35.92
	Duplex - Word	27.66	8.66 (1 set)	23.22 (6 sets)		35.94
	Duplex - Excel	25.89	9.28 (1 set)	24.58 (6 sets)		35.92
	Duplex - Average	28.80	8.41 (1 set)	24.47 (6 sets)		35.92

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://w.w.hp.com/go/printerclaims>.
4) Port monitor not configured to follow device if the IP address changes.

Test System Parameters

Item	Value
Computer	HP Compag 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	Buildin
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office Word 2010 Acrobat Reader 10 Microsoft Office Excel 2010
Print Driver	Not Specified
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A4

HP PageWide Managed Color Flow E77650z+

Printing device and settings	
Test Start Date and Time	11/30/2018 3:57
Tester	RM
Machine name/model	HP PageWide Managed Color Flow E77650z+
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	12/19/2018 13:33

Item	Value
Driver Version	6.6.5.23510
Media/Quality Setting	Default / Default
Simplex B&W Settings	print in grayscale black only
Duplex B&W Settings	print in grayscale black only
Setting N set count	Application
Collating function	Activated (application)
Paper Sending Direction	Default
Paper Size Setting	Default
Paper Feeding	Tray 2
Paper Exit	Standard Exit Tray
Output Orientation	Default (face down)
Duplexing Unit (Yes/No)	Yes
Paper Manufacturer	HP / Xerox
Paper Weight	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	15.44	50.53
	Duplex	29.56	35.70
B&W	Simplex	18.76	50.18
	Duplex	27.17	35.26

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://w.w.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	16.87	14.23 (1 set)	37.04 (8 sets)	48.78 (53 sets)	50.26
	Simplex - Word	14.63	16.43 (1 set)	35.15 (8 sets)		50.93
	Simplex - Excel	14.82	16.21 (1 set)	38.44 (8 sets)		50.42
	Simplex - Average	15.44	15.62	36.87	48.78	50.53
	Duplex - Adobe Reader	32.16	7.44 (1 set)	23.36 (6 sets)		35.92
	Duplex - Word	31.87	7.52 (1 set)	22.18 (6 sets)		35.26
	Duplex - Excel	24.64	9.74 (1 set)	22.78 (6 sets)		35.92
	Duplex - Average	29.6	8.23	22.77		35.70
B&W mode (optional for color device)	Simplex - Adobe Reader	20.75	11.59 (1 set)	36.06 (8 sets)	48.89 (53 sets)	50.12
	Simplex - Word	20.16	11.90 (1 set)	37.06 (8 sets)		50.10
	Simplex - Excel	15.35	15.64 (1 set)	38.54 (8 sets)		50.34
	Simplex - Average	18.8	13.04	37.88	48.9	50.18
	Duplex - Adobe Reader	30.79	7.78 (1 set)	22.96 (6 sets)		35.26
	Duplex - Word	26.76	8.96 (1 set)	24.18 (6 sets)		35.26
	Duplex - Excel	23.94	10.02 (1 set)	21.18 (6 sets)		35.26
	Duplex - Average	27.2	8.92	22.77		35.26

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://w.w.hp.com/go/printerclaims>.
 4) Port monitor not configured to follow device if the IP address changes.

Test System Parameters

Item	Value
Computer	HP Compag 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 Word 2010 Acrobat Reader 10 Microsoft Office Excel 2010
Print Driver	Not Specified
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - Tabloid

HP PageWide Managed Color Flow E77650z+

Printing device and settings	
Test Start Date and Time	11/30/2018 3:57
Tester	RM
Machine name/model	HP PageWide Managed Color Flow E77650z+
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	12/19/2018 13:33

Item	Value
Driver Version	6.6.5.23510
Media/Quality Setting	Default / Default
Simplex B&W Settings	print in grayscale black only
Duplex B&W Settings	print in grayscale black only
Setting N set count	Application
Collating function	Activated (application)
Paper Sending Direction	Default
Paper Size Setting	Default
Paper Feeding	Tray 2
Paper Exit	Standard Exit Tray
Output Orientation	Default (face down)
Duplexing Unit (Yes/No)	Yes
Paper Manufacturer	HP / Xerox
Paper Weight	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	17.22	26.12
	Duplex	29.40	12.94
B&W	Simplex	22.97	26.12
	Duplex	32.23	12.94

- 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://w.w.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	25.21	9.53 (1 set)	20.59 (5 sets)	24.71 (28 sets)	26.12
	Simplex - Word	19.94	12.03 (1 set)	21.21 (5 sets)		26.12
	Simplex - Excel	20.57	11.68 (1 set)	19.95 (5 sets)		26.12
	Simplex - Average	21.91	11.08	20.58	24.71	26.12
	Duplex - Adobe Reader	30.21	7.94 (1 set)	10.56 (3 sets)		12.94
	Duplex - Word	29.25	8.20 (1 set)	10.76 (3 sets)		12.94
	Duplex - Excel	37.18	6.44 (1 set)	10.84 (3 sets)		12.94
	Duplex - Average	32.22	7.52	10.72		12.94
B&W mode (optional for color device)	Simplex - Adobe Reader	24.60	9.76 (1 set)	20.71 (5 sets)	24.88 (28 sets)	26.12
	Simplex - Word	25.05	9.58 (1 set)	19.59 (5 sets)		26.12
	Simplex - Excel	19.25	12.47 (1 set)	21.15 (5 sets)		26.12
	Simplex - Average	22.97	10.60	20.48	24.88	26.12
	Duplex - Adobe Reader	30.16	7.94 (1 set)	10.62 (3 sets)		12.94
	Duplex - Word	29.00	8.26 (1 set)	10.92 (3 sets)		12.94
	Duplex - Excel	37.52	6.38 (1 set)	10.82 (3 sets)		12.94
	Duplex - Average	32.23	7.52	10.78		12.94

- 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://w.w.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	Buildin
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office Word 2010 Acrobat Reader 10 Microsoft Office Excel 2010
Print Driver	Not Specified
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - A3

HP PageWide Managed Color Flow E77650z+

Printing device and settings	
Test Start Date and Time	11/30/2018 3:57
Tester	RM
Machine name/model	HP PageWide Managed Color Flow E77650z+
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	12/19/2018 13:33

Item	Value
Driver Version	6.6.5.23510
Media/Quality Setting	Default / Default
Simplex B&W Settings	print in grayscale black only
Duplex B&W Settings	print in grayscale black only
Setting N set count	Application
Collating function	Activated (application)
Paper Sending Direction	Default
Paper Size Setting	Default
Paper Feeding	Tray 2
Paper Exit	Standard Exit Tray
Output Orientation	Default (face down)
Duplexing Unit (Yes/No)	Yes
Paper Manufacturer	HP / Xerox
Paper Weight	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	17.22	26.12
	Duplex	29.40	12.94
B&W	Simplex	21.80	26.12
	Duplex	32.57	12.93

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://w.w.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	27.89	8.60 (1 set)	20.12 (5 sets)	24.76 (28 sets)	26.12
	Simplex - Word	20.00	12.01 (1 set)	20.84 (5 sets)		26.12
	Simplex - Excel	20.64	11.63 (1 set)	21.30 (5 sets)		26.12
	Simplex - Average	22.85	10.74 (1 set)	20.75 (5 sets)	24.76	26.12
	Duplex - Adobe Reader	30.80	7.78 (1 set)	10.58 (3 sets)		12.94
	Duplex - Word	30.23	7.92 (1 set)	10.04 (3 sets)		12.94
	Duplex - Excel	35.39	6.78 (1 set)	10.68 (3 sets)		12.96
	Duplex - Average	32.14	7.49 (1 set)	10.43 (3 sets)		12.94
B&W mode (optional for color device)	Simplex - Adobe Reader	21.07	11.39 (1 set)	20.77 (5 sets)	24.90 (28 sets)	26.12
	Simplex - Word	20.07	11.96 (1 set)	20.11 (5 sets)		26.12
	Simplex - Excel	24.25	9.90 (1 set)	21.26 (5 sets)		26.12
	Simplex - Average	21.80	11.08 (1 set)	20.71 (5 sets)	24.90	26.12
	Duplex - Adobe Reader	38.53	6.22 (1 set)	10.60 (3 sets)		12.94
	Duplex - Word	29.28	8.18 (1 set)	10.90 (3 sets)		12.94
	Duplex - Excel	29.89	8.02 (1 set)	10.70 (3 sets)		12.92
	Duplex - Average	32.57	7.47 (1 set)	10.73 (3 sets)		12.93

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://w.w.hp.com/go/printerclaims>.
 4) Port monitor not configured to follow device if the IP address changes.

Test System Parameters

Item	Value
Computer	HP Compag 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 Word 2010 Acrobat Reader 10 Microsoft Office Excel 2010
Print Driver	Not Specified
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category

Feature Performance Full Report - Office Feature Performance Test

HP PageWide Managed Color Flow E77650z+

Printing device and settings	
Test Start Date and Time	11/30/2018 3:57
Tester	RM
Machine name/model	HP PageWide Managed Color Flow E77650z+
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	12/19/2018 13:33

Item	Value
Driver Version	6.6.5.23510
Media/Quality Setting	Default / Default
Simplex B&W Settings	print in grayscale black only
Duplex B&W Settings	print in grayscale black only
Setting N set count	Application
Collating function	Activated (application)
Paper Sending Direction	Default
Paper Size Setting	Default
Paper Feeding	Tray 2
Paper Exit	Standard Exit Tray
Output Orientation	Default (face down)
Duplexing Unit (Yes/No)	Yes
Paper Manufacturer	HP / Xerox
Paper Weight	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	138%	99%
A5, Portrait Feed, Simplex, Colour	Simplex		
Legal, Simplex, Colour	Simplex	81%	63%
Legal, Duplex, Colour	Duplex	54%	55%
A4, 1200 dpi, Simplex, Colour	Simplex		
Letter, 1200 dpi, Simplex, Colour	Simplex		
A4, HP High Speed, Simplex, Colour	Simplex		
Letter, HP High Speed, Simplex, Colour	Simplex		
A4, General Office, Simplex, Colour	Simplex	101%	138%
Letter, General Office, Simplex, Colour	Simplex	92%	138%
A5, Landscape Feed, Simplex, B/W	Simplex	114%	99%
A5, Portrait Feed, Simplex, B/W	Simplex		
Legal, Simplex, B/W	Simplex	80%	63%
Legal, Duplex, B/W	Duplex	57%	55%
A4, 1200 dpi, Simplex, B/W	Simplex		
Letter, 1200 dpi, Simplex, B/W	Simplex		
A4, HP High Speed, Simplex, B/W	Simplex		
Letter, HP High Speed, Simplex, B/W	Simplex		
A4, General Office, Simplex, B/W	Simplex	82%	138%
Letter, General Office, Simplex, B/W	Simplex	64%	137%

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.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 (sec)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	28.94	51.46	21.12	51.2	138%	99%
A5, Portrait Feed, Simplex, Colour	28.94	51.46				
Legal, Simplex, Colour	21.3	51.31	26.3	32.8	81%	63%
Legal, Duplex, Colour	21.3	51.31	40.15	28.7	54%	55%
A4, 1200 dpi, Simplex, Colour	28.94	51.46				
Letter, 1200 dpi, Simplex, Colour	21.3	51.31				
A4, HP High Speed, Simplex, Colour	28.94	51.46				
Letter, HP High Speed, Simplex, Colour	21.3	51.31				
A4, General Office, Simplex, Colour	28.94	51.46	28.92	71.1	101%	138%
Letter, General Office, Simplex, Colour	21.3	51.31	23.16	71.1	92%	138%
A5, Landscape Feed, Simplex, B/W	24	51.45	21.18	51.2	114%	99%
A5, Portrait Feed, Simplex, B/W	24	51.45				
Legal, Simplex, B/W	21.32	51.34	26.92	32.8	80%	63%
Legal, Duplex, B/W	21.32	51.34	37.81	28.5	57%	55%
A4, 1200 dpi, Simplex, B/W	24	51.45				
Letter, 1200 dpi, Simplex, B/W	21.32	51.34				
A4, HP High Speed, Simplex, B/W	24	51.45				
Letter, HP High Speed, Simplex, B/W	21.32	51.34				
A4, General Office, Simplex, B/W	24	51.45	29.32	71.1	82%	138%
Letter, General Office, Simplex, B/W	21.32	51.34	33.49	70.5	64%	137%

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.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 C218 Chipset Family SMBus Host Controller
	System Board system devices, default system BIOS
	System Memory 4 GB
	Hard Drive Subsystem Standard disk drive (Seagate)
	Video Subsystem AMD Radeon HD 6350
	Optical Drive HP DVD A DH16aCSHR ATA
	I/O Subsystem Built-in
	USB Subsystem USB 2.0/3.0
I/O	TCP/IP TCP/IP 10/1000
Software	Operating System Windows 7 64 Bit
	Printing Applications Microsoft Office Word 2010 Acrobat Reader 10 Microsoft Office Excel 2010
	Print Driver Not Specified
	Test files and location Office category files, hard drive

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

Full Detailed Test Report - LETTER
HP PageWide Managed Color Flow E77650z+

Printing device and settings		
Test Start Date and Time	11/30/2018 5:16	
Tester	RM	
Machine name/model	HP PageWide Managed Color Flow E77650z+	
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	12/19/2018 13:23	

Item		Value
Mode and Setting	PDL and driver version	6.6.5.23510
	Print Quality mode	default
	B&W settings	default
	Paper feed orientation	Short Edge
Paper	Paper type setting	default
	Paper feeding	Standard cassette
	Paper exit	Standard exit tray
Paper Path	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	10.37
	Duplex	
B&W	Simplex	10.35
	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	10.18	10.29	10.63	10.37	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			38.49		83 Minutes
	Recovery Time			27.9		
	FPOT from Off - Simplex			188.89		
	Warm-up Time			178.26		
B&W Mode	FPOT from Ready - Simplex	10.38	10.49	10.18	10.35	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			40.76		83 Minutes
	Recovery Time			30.6		
	FPOT from Off - Simplex			198.87		
	Warm-up Time			188.69		

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

HP Data Table						
Detailed Report: LETTER		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application
Color Mode	FPOT from Sleep	38.49	38.08	38.90	N/A	Adobe Reader
	FPOT from Sleep (15 minutes) HP/Non ISO Test	26.00	26.59	25.41	N/A	Adobe Reader
	FPOT from Ready, HP High Speed HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader
B&W Mode	FPOT from Sleep	40.76	41.43	40.09	N/A	Adobe Reader
	FPOT from Sleep (15 minutes) HP/Non ISO Test	26.09	26.64	25.53	N/A	Adobe Reader

Test System Parameters		
Item	Value	
Test System	Computer	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	system devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aCSHR ATA
	I/O Subsystem	Built-in
	USB Subsystem	USB 2.0/3.0
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 Flow E77650z+

Printing device and settings		
Test Start Date and Time	11/30/2018 5:16	
Tester	RM	
Machine name/model	HP PageWide Managed Color Flow E77650z+	
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	12/19/2018 13:23	

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

ISO First Page Out Time Summary Report: Office Category

Summary Report: A4		
		FPOT from Ready (seconds)
Colour	Simplex	10.08
	Duplex	
B&W	Simplex	10.27
	Duplex	

Notes

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

ISO First Page Out Time Report: Office Category

Detailed Report: A4						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
Color Mode	FPOT from Ready - Simplex	10.02	10.25	9.96	10.08	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			39.76		83 Minutes
	Recovery Time			29.8		
	FPOT from Off - Simplex			192.96		
	Warm-up Time			183.00		
B&W Mode	FPOT from Ready - Simplex	10.39	9.92	10.49	10.27	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			40.54		83 Minutes
	Recovery Time			30.0		
	FPOT from Off - Simplex			189.68		
	Warm-up Time			179.19		

Notes

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

HP Data Table							
Detailed Report: A4							
		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application	Delay Time
Color Mode	FPOT from Sleep	39.76	39.40	40.12	N/A	Adobe Reader	83 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	27.35	27.71	26.98	N/A	Adobe Reader	15 Minutes
	FPOT from Ready, HP High Speed HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	N/A
B&W Mode	FPOT from Sleep	40.54	41.44	39.63	N/A	Adobe Reader	83 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	26.41	26.20	26.62	N/A	Adobe Reader	15 Minutes

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

Full Detailed Test Report - LETTER

Machine Setup Information

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

Summary Report: Letter		
	sFCOT	sESAT (ipm)
Color	10.59	51.29
B&W	10.32	51.33

Notes

First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.

Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

Detailed Report: LETTER						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Color	A	10.59	5.66	37.20	48.69	51.29
				28 sets	214 sets	
	B					
	C					
	D					
	Average	10.59	5.66	37.20	48.69	51.29
B&W	A	10.32	5.81	37.33	48.38	51.33
				28 sets	216 sets	
	B					
	C					
	D					
	Average	10.32	5.81	37.33	48.38	51.33

Notes

First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.

Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

Full Detailed Test Report - A4

Machine Setup Information

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

Summary Report: A4		
	sFCOT	sESAT (ipm)
Colour	10.18	51.36
B&W	10.28	51.53

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.

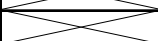
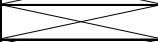
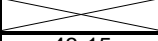
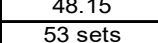
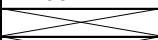
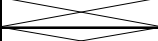
Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

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 w as used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

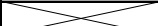
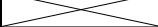
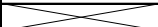
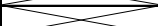
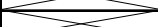
Full Detailed Test Report - LETTER

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: LETTER						
	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Color Mode	1:1	15.75	15.24	38.37	48.59	51.20
			(1 set)	8 sets	53 sets	
	1:2	29.51	8.12	23.60		35.92
			(1 set)	6 sets		
	2:2	29.00	8.26	24.20		35.94
			(1 set)	6 sets		
B&W mode	1:1	15.05	15.96	38.82	48.15	51.26
				8 sets	53 sets	
	1:2	26.35	9.10	24.06		35.16
				6 sets		
	2:2	25.35	9.44	24.08		35.92
				6 sets		

Notes

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

Full Detailed Test Report - A4

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: A4						
	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Colour Mode	1:1	15.94	15.05	38.73	48.79	51.45
			(1 set)	8 sets	53 sets	
	1:2	28.75	8.34	23.64		35.92
			(1 set)	6 sets		
	2:2	27.80	8.64	23.70		35.92
			(1 set)	6 sets		
B&W mode	1:1	14.87	16.14	39.15	48.49	51.46
				8 sets	53 sets	
	1:2	25.60	9.36	24.28		35.94
				6 sets		
	2:2	25.96	9.24	23.98		35.94
				6 sets		

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

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information		
Test Start Date and Time	12/6/2018 10:20	
Tester	RM	
Machine name/model	HP PageWide Managed Color Flow E77650z+	
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	12/6/2018 13:50	

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

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

Summary Report: Letter

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	129.87
			double sided	253.20
B&W	PDF 1.4	200	single sided	129.09
			double sided	253.38

Notes

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

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

Summary Report: Letter

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.4	200	single sided	89.08	5.68	18.00
			double sided	124.72	11.26	33.00
B&W	PDF 1.4	200	single sided	96.04	2.92	18.00
			double sided	166.75	5.28	33.00

Notes

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

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

Summary Report: Letter

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	48.33	118.37	129.87
			double sided	52.23	228.76	253.2
B&W	PDF 1.4	200	single sided	47.20	114.24	129.09
			double sided	55.04	229.33	253.38

Notes

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

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

Summary Report: Letter

	Scanning Mode			Measurement result			
	File format version	Resolution	Scanning side	scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.4	200	single sided	30.00	89.08	5.68	18
			double sided	28.33	124.72	11.26	33
B&W	PDF 1.4	200	single sided	30.00	96.04	2.92	18
			double sided	32.14	166.75	5.28	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 Z240 SFF Workstation
	Processor	Intel Core i7 -6770, 3.4 GHz
	System Chip Set	Intel SKL/KBL Mobile/Desktop
	System Board	system devices, default system BIOS
	System Memory	8 GB
	Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVDRW GUD1N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
Scanning Device Connection	Operating System	Win 10 Enterprise 64 Bit (10240)
	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	12/6/2018 10:20	
Tester	RM	
Machine name/model	HP PageWide Managed Color Flow E77650z+	
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	12/6/2018 13:50	

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

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

Summary Report: A4

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	129.29
			double sided	262.94
B&W	PDF 1.4	200	single sided	130.60
			double sided	262.65

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	90.95	5.36	18.00
			double sided	131.64	10.67	34.00
B&W	PDF 1.4	200	single sided	99.32	2.75	18.00
			double sided	169.47	5.51	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	40.25	118.57	129.29
			double sided	55.46	238.45	262.94
B&W	PDF 1.4	200	single sided	46.37	117.76	130.6
			double sided	54.30	235.23	262.65

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	28.33	90.95	5.36	18
			double sided	32.14	131.64	10.67	34
B&W	PDF 1.4	200	single sided	34.28	99.32	2.75	18
			double sided	30.00	169.47	5.51	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 Z240 SFF Workstation
	Processor	Intel Core i7 -6770, 3.4 GHz
	System Chip Set	Intel SKL/KBL Mobile/Desktop
	System Board	system devices, default system BIOS
	System Memory	8 GB
	Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVDRW GUD1N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
	Operating System	Win 10 Enterprise 64 Bit (10240)
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	12/6/2018 10:20	
Tester	RM	
Machine name/model	HP PageWide Managed Color Flow E77650z+	
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	12/6/2018 13:50	

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

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

Summary Report: Tabloid

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	71.34
			double sided	139.91
B&W	PDF 1.4	200	single sided	70.73
			double sided	139.41

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	48.97	6.07	10.00
			double sided	77.43	12.65	20.00
B&W	PDF 1.4	200	single sided	53.33	3.23	10.00
			double sided	92.13	5.75	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	36.19	65.35	71.34
			double sided	46.84	127.43	139.91
B&W	PDF 1.4	200	single sided	36.55	64.62	70.73
			double sided	47.61	126.34	139.41

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	24.00	48.97	6.07	10
			double sided	26.66	77.43	12.65	20
B&W	PDF 1.4	200	single sided	25.33	53.33	3.23	10
			double sided	26.66	92.13	5.75	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 Z240 SFF Workstation
	Processor	Intel Core i7 -6770, 3.4 GHz
	System Chip Set	Intel SKL/KBL Mobile/Desktop
	System Board	system devices, default system BIOS
	System Memory	8 GB
	Hard Drive Subsystem	Turbo Drive G2 256GB PCIe SSD
	Video Subsystem	Microsoft Basic Display Adaptor
	Optical Drive	HP HLDS DVDRW GUD1N
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
	Operating System	Win 10 Enterprise 64 Bit (10240)
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	12/6/2018 10:20	
Tester	RM	
Machine name/model	HP PageWide Managed Color Flow E77650z+	
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	12/6/2018 13:50	

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

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

Summary Report: A3

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	71.76
			double sided	144.34
B&W	PDF 1.4	200	single sided	71.36
			double sided	144.04

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	48.00	6.00	10.00
			double sided	78.04	11.88	20.00
B&W	PDF 1.4	200	single sided	53.93	3.16	10.00
			double sided	95.05	5.89	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	35.95	65.92	71.76
			double sided	46.78	131.25	144.34
B&W	PDF 1.4	200	single sided	35.39	65.46	71.36
			double sided	45.01	129.46	144.04

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	48.00	6.00	10
			double sided	25.33	78.04	11.88	20
B&W	PDF 1.4	200	single sided	21.81	53.93	3.16	10
			double sided	28.33	95.05	5.89	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
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