

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP PageWide Enterprise Color Flow MFP 785z+

Printing device and settings		
Test Start Date and Time	12/7/2018 6:33	
Tester	RM	
Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+	
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	1/15/2019 11:26	

Item	Value
Mode and Setting	Driver Version 6.6.5.23510
	Media/Quality Setting Default / Default
	Simplex B&W Settings print in grayscale black only
	Duplex B&W Settings print in grayscale black only
	Setting N set count Application
Paper Path	Collating function Activated (application)
	Paper Sending Direction Default
	Paper Size Setting Default
	Paper Feeding Tray 2
	Paper Exit Standard Exit Tray
Paper	Output Orientation Default (face down)
	Duplexing Unit (Yes/No) Yes
	Paper Manufacturer HP / Xerox
	Paper Weight 20lb / 75 g/m2
	Paper Size Letter / A4
Paper	Paper type/name HP Multipurpose Ultra White / HP Office

Summary Report: Letter

Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	18.44	56.43
	Duplex	28.25	38.66
B&W	Simplex	19.50	56.51
	Duplex	27.35	38.97

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	19.50	12.30 (1 set)	41.19 (9 sets)	53.24 (58 sets)
	Simplex - Word	20.14	11.91 (1 set)	41.29 (9 sets)	56.49
	Simplex - Excel	15.68	15.31 (1 set)	41.80 (9 sets)	56.53
	Simplex - Average	18.44	13.17 (1 set)	41.42 (9 sets)	53.24
	Duplex - Adobe Reader	31.62	7.58 (1 set)	24.88 (6 sets)	38.98
	Duplex - Word	26.84	8.94 (1 set)	23.44 (6 sets)	38.04
	Duplex - Excel	26.28	9.12 (1 set)	25.06 (6 sets)	38.98
	Duplex - Average	28.25	8.54 (1 set)	24.46 (6 sets)	38.66
	Simplex - Adobe Reader	24.57	9.77 (1 set)	42.65 (9 sets)	53.28 (58 sets)
	Simplex - Word	19.57	12.28 (1 set)	36.55 (9 sets)	56.63
B&W mode (optional for color device)	Simplex - Excel	14.36	16.71 (1 set)	43.36 (9 sets)	56.55
	Simplex - Average	19.50	12.91 (1 set)	40.85 (9 sets)	53.3
	Duplex - Adobe Reader	25.46	9.42 (1 set)	25.44 (6 sets)	38.98
	Duplex - Word	24.89	9.54 (1 set)	25.96 (6 sets)	38.98
	Duplex - Excel	31.69	7.56 (1 set)	25.50 (6 sets)	38.96
	Duplex - Average	27.35	8.87 (1 set)	25.60 (6 sets)	38.97

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 DH16aGSHR ATA
IO Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/100
Operating System	Win 10 Enterprise 64 Bit (10240)
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 Enterprise Color Flow MFP 785z+

Printing device and settings		
Test Start Date and Time	12/7/2018 6:33	
Tester	RM	
Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+	
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	1/15/2019 11:26	

Item	Value
Mode and Setting	Driver Version 6.6.5.23510
	Media/Quality Setting Default / Default
	Simplex B&W Settings print in grayscale black only
	Duplex B&W Settings print in grayscale black only
	Setting N set count Application
Paper Path	Collating function Activated (application)
	Paper Sending Direction Default
	Paper Size Setting Default
	Paper Feeding Tray 2
	Paper Exit Standard Exit Tray
Paper	Output Orientation Default (face down)
	Duplexing Unit (Yes/No) Yes
	Paper Manufacturer HP / Xerox
	Paper Weight 20lb / 75 g/m2
	Paper Size Letter / A4
	Paper type/name HP Multipurpose Ultra White / HP Office

Summary Report: A4

Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Colour	Simplex	17.59	56.60
	Duplex	31.79	38.38
B&W	Simplex	17.89	56.59
	Duplex	27.50	38.98

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)	1 set + 30sec
Colour Mode	Simplex - Adobe Reader	19.26	12.47 (1 set)	42.31 (9 sets)	52.48 (58 sets)	56.55
			12.52 (1 set)	43.48 (9 sets)		56.64
	Simplex - Word	19.16	16.73 (1 set)	39.29 (9 sets)		56.61
			13.90 (1 set)	41.69 (9 sets)	52.48	56.60
	Simplex - Average	17.59	6.52 (1 set)	23.62 (6 sets)		38.08
		36.74	7.32 (1 set)	25.22 (6 sets)		38.08
	Duplex - Adobe Reader	32.74	9.28 (1 set)	26.26 (6 sets)		38.98
		25.89	7.70 (1 set)	25.03 (6 sets)		38.38
	Duplex - Average	31.8	15.69 (1 set)	42.67 (9 sets)	53.61 (58 sets)	56.56
B&W mode (optional for color device)	Simplex - Adobe Reader	15.31	12.04 (1 set)	43.65 (9 sets)		56.62
		19.94	13.07 (1 set)	43.65 (9 sets)		56.61
	Simplex - Word	18.40	13.60 (1 set)	43.39 (9 sets)	53.6	56.59
		17.9	7.86 (1 set)	25.40 (6 sets)		38.98
	Simplex - Average	30.52	9.26 (1 set)	25.72 (6 sets)		38.98
		25.91	9.20 (1 set)	25.10 (6 sets)		38.98
	Duplex - Adobe Reader	26.07	8.77 (1 set)	25.40 (6 sets)		38.98
		27.5				
	Duplex - Average					

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 DH16aGSHR ATA
IO Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/100
Operating System	Win 10 Enterprise 64 Bit (10240)
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 Enterprise Color Flow MFP 785z+

Printing device and settings		
Test Start Date and Time	12/7/2018 6:33	
Tester	RM	
Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+	
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	1/15/2019 11:26	

Item	Value
Mode and Setting	Driver Version 6.6.5.23510
	Media/Quality Setting Default / Default
	Simplex B&W Settings print in grayscale black only
	Duplex B&W Settings print in grayscale black only
	Setting N set count Application
Paper Path	Collating function Activated (application)
	Paper Sending Direction Default
	Paper Size Setting Default
	Paper Feeding Tray 2
	Paper Exit Standard Exit Tray
Paper	Output Orientation Default (face down)
	Duplexing Unit (Yes/No) Yes
	Paper Manufacturer HP / Xerox
	Paper Weight 20lb / 75 g/m2
	Paper Size Letter / A4
Paper	Paper type/name HP Multipurpose Ultra White / HP Office

Summary Report: Tabloid			
Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	16.44	26.07
	Duplex	28.25	14.02
B&W	Simplex	22.30	26.07
	Duplex	30.71	14.02

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

Detailed Report: Tabloid						
	Office Category Test	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	1 set + 30sec
Color Mode	Simplex - Adobe Reader	23.10	10.39 (1 set)	21.08 (5 sets)	26.48 (30 sets)	26.08
	Simplex - Word	19.13	12.55 (1 set)	21.37 (5 sets)		26.07
	Simplex - Excel	26.44	9.09 (1 set)	21.96 (5 sets)		26.08
	Simplex - Average	22.89	10.67 (1 set)	21.47 (5 sets)	26.48	26.07
	Duplex - Adobe Reader	28.89	8.30 (1 set)	11.22 (3 sets)		14.02
	Duplex - Word	27.98	8.56 (1 set)	11.42 (3 sets)		14.02
	Duplex - Excel	35.99	6.66 (1 set)	11.38 (3 sets)		14.02
	Duplex - Average	30.96	7.84 (1 set)	11.34 (3 sets)		14.02
	Simplex - Adobe Reader	24.48	9.80 (1 set)	21.55 (5 sets)	26.74 (30 sets)	26.07
	Simplex - Word	22.40	10.71 (1 set)	22.00 (5 sets)		26.08
B&W mode (optional for color device)	Simplex - Excel	20.01	11.99 (1 set)	22.32 (5 sets)		26.08
	Simplex - Average	22.30	10.83 (1 set)	22.09 (5 sets)	26.74	26.07
	Duplex - Adobe Reader	35.56	6.74 (1 set)	11.12 (3 sets)		14.02
	Duplex - Word	28.73	8.34 (1 set)	11.44 (3 sets)		14.02
	Duplex - Excel	27.82	8.62 (1 set)	11.46 (3 sets)		14.02
	Duplex - Average	30.71	7.90 (1 set)	11.34 (3 sets)		14.02

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 DH16aGSHR ATA
IO Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/100
Operating System	Win 10 Enterprise 64 Bit (10240)
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 Enterprise Color Flow MFP 785z+

Printing device and settings		
Test Start Date and Time	12/7/2018 6:33	
Tester	RM	
Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+	
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	1/15/2019 11:26	

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)
	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: A3

Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	16.44	26.08
	Duplex	28.25	14.02
B&W	Simplex	21.83	28.07
	Duplex	30.37	14.02

Notes

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

Detailed Report: A3

	Office Category Test	FSOT (secs)		EFTP (ipm)			ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	1 set + 30sec	
Color Mode	Simplex - Adobe Reader	23.37	10.28 (1 set)	21.60 (5 sets)	26.63 (30 sets)		26.08
	Simplex - Word	20.16	11.90 (1 set)	22.22 (5 sets)			28.08
	Simplex - Excel	19.58	12.25 (1 set)	22.18 (5 sets)			28.08
	Simplex - Average	21.04	11.47 (1 set)	22.00 (5 sets)	26.63 (30 sets)		28.08
	Duplex - Adobe Reader	29.16	8.22 (1 set)	11.36 (3 sets)			14.02
	Duplex - Word	28.26	8.48 (1 set)	11.32 (3 sets)			14.02
	Duplex - Excel	34.19	7.02 (1 set)	10.62 (3 sets)			14.02
	Duplex - Average	30.54	7.90 (1 set)	11.10 (3 sets)			14.02
B&W mode (optional for color device)	Simplex - Adobe Reader	21.78	11.02 (1 set)	20.88 (5 sets)	26.67 (30 sets)		28.08
	Simplex - Word	23.69	10.13 (1 set)	22.16 (5 sets)			28.08
	Simplex - Excel	20.00	12.00 (1 set)	22.26 (5 sets)			28.07
	Simplex - Average	21.83	11.05 (1 set)	21.76 (5 sets)	26.67 (30 sets)		28.07
	Duplex - Adobe Reader	28.12	8.52 (1 set)	10.32 (3 sets)			14.02
	Duplex - Word	27.21	8.80 (1 set)	11.52 (3 sets)			14.02
	Duplex - Excel	35.77	6.70 (1 set)	11.30 (3 sets)			14.02
	Duplex - Average	30.37	8.00 (1 set)	11.04 (3 sets)			14.02

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 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 DH16aGSHR ATA
IO Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/100
Operating System	Win 10 Enterprise 64 Bit (10240)
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 Enterprise Color Flow MFP 785z+

Printing device and settings		
Test Start Date and Time	12/7/2018 6:33	
Tester	RM	
Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+	
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	1/15/2019 11:26	

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)
	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	104%	99%
A5, Portrait Feed, Simplex, Colour	Simplex		
Legal, Simplex, Colour	Simplex	114%	65%
Legal, Duplex, Colour	Duplex	75%	52%
A4, 1200 dpi, Simplex, Colour	Simplex		
Letter, 1200 dpi, Simplex, Colour	Simplex		
A4, General Office, Simplex, Colour	Simplex	106%	132%
Letter, General Office, Simplex, Colour	Simplex	98%	135%
A5, Landscape Feed, Simplex, B/W	Simplex	116%	99%
A5, Portrait Feed, Simplex, B/W	Simplex		
Legal, Simplex, B/W	Simplex	96%	63%
Legal, Duplex, B/W	Duplex	63%	51%
A4, 1200 dpi, Simplex, B/W	Simplex		
Letter, 1200 dpi, Simplex, B/W	Simplex		
A4, General Office, Simplex, B/W	Simplex	94%	133%
Letter, General Office, Simplex, B/W	Simplex	111%	136%

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

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

Printing Modes Feature Adobe Reader - Office test file (8-page)	Base Printing Mode		Feature Performance			
	FSOT Base	ESAT Base	1 set FSOT (secs)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	21	56.58	20.22	56.1	104%	99%
A5, Portrait Feed, Simplex, Colour	21	56.58				
Legal, Simplex, Colour	28.55	55.66	25.23	36.3	114%	65%
Legal, Duplex, Colour	28.55	55.66	38.18	29.0	75%	52%
A4, 1200 dpi, Simplex, Colour	21	56.58				
Letter, 1200 dpi, Simplex, Colour	28.55	55.66				
A4, General Office, Simplex, Colour	21	56.58	19.92	75.2	106%	132%
Letter, General Office, Simplex, Colour	28.55	55.66	29.3	75.5	98%	135%
A5, Landscape Feed, Simplex, B/W	24.5	56.61	21.21	56.4	116%	99%
A5, Portrait Feed, Simplex, B/W	24.5	56.61				
Legal, Simplex, B/W	23.8	55.91	24.98	35.5	96%	63%
Legal, Duplex, B/W	23.8	55.91	37.92	29.0	63%	51%
A4, 1200 dpi, Simplex, B/W	24.5	56.61				
Letter, 1200 dpi, Simplex, B/W	23.8	55.91				
A4, General Office, Simplex, B/W	24.5	56.61	26.26	75.4	94%	133%
Letter, General Office, Simplex, B/W	23.8	55.91	21.58	76.1	111%	136%

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

Test System Parameters	
Item	Value
Test System	Computer HP Compaq Elite 8300 Small Form Factor
	Processor Intel Core i7 -3770, 3.4 GHz
	System Chip Set Intel C216 Chipset Family SMBus Host Controller
	System Board system devices, default system BIOS
	System Memory 4 GB
	Hard Drive Subsystem Standard disk drive (Seagate)
	Video Subsystem AMD Radeon HD 6350
	Optical Drive HP DVD A/DH16a/CSHR ATA
	I/O Subsystem Built-in
	USB Subsystem USB 2.0/3.0
I/O	TCP/IP TCP/IP 10/100
Software	Operating System Win 10 Enterprise 64 Bit (10240)
	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 Enterprise Color Flow MFP 785z+

Printing device and settings	
Test Start Date and Time	1/27/2018 13:44
Tester	RM
Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+
Colour or B&W	Colour
FW Version	2406318_000006
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	1/15/2019 20:27

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	10.35
	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: LETTER		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
Color Mode	FPOT from Ready - Simplex	10.43	10.37	10.24	10.35	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			36.99		83 Minutes
	Recovery Time			26.7		
	FPOT from Off - Simplex			190.92		
	Warm-up Time			180.68		
B&W Mode	FPOT from Ready - Simplex	10.02	10.48	10.30	10.27	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			34.94		83 Minutes
	Recovery Time			24.6		
	FPOT from Off - Simplex			188.06		
	Warm-up Time			177.76		

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	36.99	37.37	36.60	N/A	Adobe Reader	83 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	28.69	28.55	28.83	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
	FPOT from Sleep	34.94	35.37	34.50	N/A	Adobe Reader	83 Minutes
B&W Mode	FPOT from Sleep (15 minutes) HP/Non ISO Test	27.60	26.84	28.36	N/A	Adobe Reader	15 Minutes

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 DH16aC-SHR 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
	Adobe Reader 10.1.4
	Print Driver 6.6.5.23510

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

Full Detailed Test Report - A4

HP PageWide Enterprise Color Flow MFP 785z+

Printing device and settings		
	Test Start Date and Time	12/7/2018 13:44
	Tester	RM
	Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+
	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	1/15/2019 20:27

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 Path	Paper exit	Standard exit tray
	Output orientation	default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: A4

FPOT from Ready (seconds)		
Colour	Simplex	10.30
	Duplex	
B&W	Simplex	10.39
	Duplex	

Notes

- 1) All printing device and driver settings were default mode.
- 2) For the BW results, the print driver was set to "print in BW".
- 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	10.40	10.40	10.09	10.30	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			41.60		83 Minutes
	Recovery Time			31.5		
	FPOT from Off - Simplex			188.31		
	Warm-up Time			178.22		
B&W Mode	FPOT from Ready - Simplex	10.11	10.38	10.68	10.39	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			38.61		83 Minutes
	Recovery Time			27.9		
	FPOT from Off - Simplex			180.42		
	Warm-up Time			169.74		

Notes

- 1) All printing device and driver settings were default mode.
- 2) For the BW results, the print driver was set to "print in BW".
- 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	41.60	40.94	42.25	N/A	Adobe Reader	83 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	26.48	26.36	26.60	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	38.61	38.35	38.86	N/A	Adobe Reader	83 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	26.45	26.69	26.20	N/A	Adobe Reader	15 Minutes

Test System Parameters		
Test System	Item	Value
	Computer	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	system devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aCSHR ATA
	IO Subsystem	Builton
Printing Device Connection	TCP/IP	10/1000
	Software	
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 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP PageWide Enterprise Color Flow MFP 785z+

Machine Setup Information

Test Start Date and Time	12/18/2018 7:24
Tester	RM
Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+
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	1/11/2019 9:54

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

Paper	Paper Manufacturer	HP / Xerox
	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	10.20	56.38
B&W	9.63	56.45

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	10.20	5.88	40.88	53.22	56.38
				31 sets	235 sets	
	B					
	C					
	D					
	Average	10.20	5.88	40.88	53.22	56.38
B&W	A	9.63	6.23	41.24	53.30	56.45
				31 sets	237 sets	
	B					
	C					
	D					
	Average	9.63	6.23	41.24	53.30	56.45

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 Enterprise Color Flow MFP 785z+

Machine Setup Information		
	Test Start Date and Time	12/18/2018 7:24
	Tester	RM
	Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+
	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:	1/11/2019 9:54

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

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

Summary Report: A4		
	sFCOT	sESAT (ipm)
Colour	10.13	56.63
B&W	9.85	56.67
Notes First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information, see http://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration and document. Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2		

Detailed Report: A4						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Colour	A	10.13	5.92	41.03 31 sets	53.86 239 sets	56.63
	B					
	C					
	D					
	Average	10.13	5.92	41.03	53.86	56.63
B&W	A	9.85	6.09	41.18 31 sets	53.74 239 sets	56.67
	B					
	C					
	D					
	Average	9.85	6.09	41.18	53.74	56.67

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 - LETTER

HP PageWide Enterprise Color Flow MFP 785z+

Machine Setup Information

	Test Start Date and Time	12/18/2018 7:24
	Tester	RM
	Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+
	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:	1/11/2019 9:54

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

Paper	Paper Manufacturer	HP / Xerox
	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	10.20	56.38
B&W	9.63	56.45

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	10.20	5.88	40.88 31 sets	53.22 235 sets	56.38
	B					
	C					
	D					
	Average	10.20	5.88	40.88	53.22	56.38
B&W	A	9.63	6.23	41.24 31 sets	53.30 237 sets	56.45
	B					
	C					
	D					
	Average	9.63	6.23	41.24	53.30	56.45

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 Enterprise Color Flow MFP 785z+

Machine Setup Information

	Test Start Date and Time	12/18/2018 7:24
	Tester	RM
	Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+
	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:	1/11/2019 9:54

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

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

Summary Report: A4

	sFCOT	sESAT (ipm)
Colour	10.13	56.63
B&W	9.85	56.67

Notes

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

Detailed Report: A4

	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Colour	A	10.13	5.92	41.03	53.86	56.63
				31 sets	239 sets	
	B					
	C					
	D					
	Average	10.13	5.92	41.03	53.86	56.63
B&W	A	9.85	6.09	41.18	53.74	56.67
				31 sets	239 sets	
	B					
	C					
	D					
	Average	9.85	6.09	41.18	53.74	56.67

Notes

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

ISO/IEC 17991 Scanning Productivity Report**Full Detailed Test Report - LETTER**

Machine Setup Information		
	Test Start Date and Time	1/8/2019 12:28
	Tester	RM
	Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+
	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	1/8/2019 16:20

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	130.78
			double sided	258.39
B&W	PDF 1.4	200	single sided	130.14
			double sided	257.34

Notes

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

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement[Summary Report: Letter](#)

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.4	200	single sided	88.20	5.75	18.00
			double sided	124.57	11.69	34.00
B&W	PDF 1.4	200	single sided	97.09	2.98	18.00
			double sided	166.52	5.59	34.00

Notes

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

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement[Summary Report: 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	49.64	120.29	130.78
			double sided	57.27	236.1	258.39
B&W	PDF 1.4	200	single sided	48.68	120.03	130.14
			double sided	56.86	235.32	257.34

Notes

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

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	25.33	88.20	5.75	18
			double sided	25.33	124.57	11.69	34
B&W	PDF 1.4	200	single sided	27.00	97.09	2.98	18
			double sided	25.33	166.52	5.59	34

Notes

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

Test System Parameters		
Item		Value
System	Computer name	HP 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	1/8/2019 12:28
	Tester	RM
	Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+
	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	1/8/2019 16:20

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

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

Summary Report: A4

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	132.18
			double sided	269.87
B&W	PDF 1.4	200	single sided	131.91
			double sided	269.43

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	5.48	18.00
			double sided	129.92	11.45	36.00
B&W	PDF 1.4	200	single sided	99.32	2.81	18.00
			double sided	164.76	5.52	35.00

Notes

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

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

Summary Report: 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	41.65	122.04	132.18
			double sided	56.60	246.67	269.87
B&W	PDF 1.4	200	single sided	49.81	119.72	131.91
			double sided	57.68	244.81	269.43

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	26.66	90.95	5.48	18
			double sided	24.00	129.92	11.45	36
B&W	PDF 1.4	200	single sided	25.33	99.32	2.81	18
			double sided	26.66	164.76	5.52	35

Notes

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

Test System Parameters		
	Item	Value
System	Computer name	HP 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	Built-in
	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 - Tabloid

Machine Setup Information		
	Test Start Date and Time	1/8/2019 12:28
	Tester	RM
	Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+
	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	1/8/2019 16:20

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

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

Summary Report: Tabloid

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	71.27
			double sided	142.96
B&W	PDF 1.4	200	single sided	70.97
			double sided	142.07

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	47.52	6.09	10.00
			double sided	74.42	12.94	20.00
B&W	PDF 1.4	200	single sided	51.61	3.26	10.00
			double sided	92.13	5.91	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	38.74	65.74	71.27
			double sided	49.44	131.01	142.96
B&W	PDF 1.4	200	single sided	37.20	65.38	70.97
			double sided	50.06	129.62	142.07

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	21.81	47.52	6.09	10
			double sided	24.00	74.42	12.94	20
B&W	PDF 1.4	200	single sided	22.90	51.61	3.26	10
			double sided	25.33	92.13	5.91	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	1/8/2019 12:28
	Tester	RM
	Machine name/model	HP PageWide Enterprise Color Flow MFP 785z+
	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	1/8/2019 16:20

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	72.31
			double sided	145.87
B&W	PDF 1.4	200	single sided	71.73
			double sided	145.68

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	48.44	6.70	11.00
			double sided	74.42	11.98	20.00
B&W	PDF 1.4	200	single sided	51.61	3.21	10.00
			double sided	93.20	6.04	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	38.06	66.97	72.31
			double sided	49.83	132.71	145.87
B&W	PDF 1.4	200	single sided	35.86	63.75	71.73
			double sided	49.55	132.5	145.68

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	22.90	48.44	6.70	11
			double sided	21.80	74.42	11.98	20
B&W	PDF 1.4	200	single sided	21.81	51.61	3.21	10
			double sided	24.23	93.20	6.04	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 Z240 SFF Workstation
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	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